U.S. Department of Energy
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P.O. Box 5400
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NSWA SNL 1304

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Benito Garcia, Bureau Chief
New Mexico Environment Department
Hazardous and Radioactive Materials Bureau
2044 Galisteo Street
P.O. Box 26110
Santa Fe, NM 87505-2100

Dear Mr. Garcia:

Enclosed is one of two NMED copies of the Department of Energy/Sandia National Laboratories response to your March 27, 1998, second Notice of Deficiency (NOD) regarding the Tech Area 3/5 RCRA Facility Investigation.

In the NOD cover letter, the NMED HRMB requested that further characterization studies be conducted to determine the source (or sources) of groundwater contamination at TA-V. Low levels of trichloroethylene and nitrate have been detected in several monitoring wells at TA-V, and the NMED has requested that DOE/SNL submit a plan to assess this groundwater contamination. In addition, the NMED has requested that DOE/SNL install permanent soil-gas monitoring wells at TA-V, and conduct a surface soil-gas survey over the entire TA-V area.

DOE/SNL agrees that the groundwater contamination at TA-V needs further study to characterize the nature and extent of the contamination, and to identify the probable source for the contamination. However, the DOE/SNL wishes to present all available TA-V hydrogeologic data collected for the NMED's review, prior to committing to any additional field investigations, such as soil-gas monitoring and soil-gas surveys.

The DOE/SNL has been conducting an ongoing investigation of groundwater contamination at TA-V, and currently has a groundwater monitoring network of nine wells installed in the vicinity of TA-V. A significant quantity of groundwater quality and other hydrogeologic data have been collected at TA-V since the

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submittal of the TA III/V (OU 1306) and LWDS (OU 1307) RFI Reports. Much of these data have not yet been presented to the NMED.

Therefore, DOE/SNL proposes to submit a data report that includes these studies and a conceptual model for contaminant transport at TA-V to the HRMB. This report will be available for HRMB's review by mid-December, 1998. The data report will suggest additional studies, if necessary, to determine/verify the source(s) of TCE in groundwater. An outline of the data report will be available for NMED's review by the end of July, 1998.

If you have any questions, please contact John Gould at (505) 845-6089, or Mark Jackson at (505) 845-6288.

Sincerely,

George K. Jaskar

for Michael J. Zamorski
Area Manager

Enclosure

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Certification Statement for Approval and Final Release of Documents

Document title and author: Second Notice of Deficiency (NOD) Technical Area III and V RCRA Facility Investigation

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather, evaluate, and prepare 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 or imprisonment for knowing violations.

Joan B Woodard 7/6/98

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Sandia National Laboratories
Albuquerque, New Mexico
July 1998

Environmental Restoration Project
Responses to NMED 2nd Notice of Deficiency on the Technical Areas III and V RCRA Facility Investigation Dated June 1996

INTRODUCTION

This document responds to comments received in a letter from the State of New Mexico Environment Department (NMED) to the U.S. Department of Energy (DOE) (Dinwiddie, March 27, 1998) documenting the review of the 2nd Notice of Deficiency on the Technical Areas III and V RCRA Facility Investigation submitted in June 1996.

This response document provides NMED comments repeated in **bold** by comment number in the same order as provided in the call for response to comments. The DOE/Sandia National Laboratories response is written in normal font style on a separate line under "Response." Responses to general technical comments begin on page 3 and responses to specific technical comments begin on page 7. Additional supporting information for the specific comments is included as attachments to this section.

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RESPONSES TO THE 2ND NOTICE OF DEFICIENCY: RESULTS OF THE TECHNICAL AREA III AND V RCRA FACILITY INVESTIGATION

GENERAL COMMENTS

1. **The TA-III/V background study has not been approved by the New Mexico Environment Department (NMED).**

   Background concentrations have now been approved for that portion of Kirtland Air Force Base (KAFB) which includes OU 1306. These are the background concentrations that should be used by the U. S. Department of Energy (DOE)/Sandia National Laboratories (SNL) to determine whether there has been a release of contaminants to the environment.

   See also General Deficiency 7.

   Response: The DOE/SNL are aware that the background values used in the Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) report were not approved by the New Mexico Environment Department (NMED) and that there are some differences between the Technical Area (TA)-III/V RFI background values and the approved background concentrations. We apologize if this information was not conveyed more clearly in our response to the first notice of deficiency (NOD) comments. The RFI report was submitted in June 1996 while the background soil investigation was still underway. The background soil concentrations, approved by the NMED in September of 1997, included the same data set used in the June 1996 RFI report, as well as data from a broader area. Thus some minor differences in concentrations for the 95th upper tolerance limit (UTL) occurred.

   A comparison of analytical results for soils to the approved background soil concentrations is included with this submittal. The results of this comparison are contained within Attachments for the applicable environmental restoration (ER) sites. See also Response to General Deficiency 7.

   To avoid unnecessary sampling, risk-based assessments using conservative values (i.e., highest concentration values) can provide an indication of whether the site poses a human health risk or ecorisk.

2. **DOE/SNL Response to Comment 2.**

   In cases where individual environmental restoration (ER) sites have been proposed for No Further Action (NFA), the complete data set (hard copy form) must be submitted.

General Comments

While summary tables listing only detected constituents are useful for review purposes, they provide only part of the information needed to fully evaluate a NFA proposal. To complete the data package, additional tables must be submitted listing all of the various constituents that were analyzed for and their method detection limits.

Please note that J-coded data must be treated as detected constituents.

Response: Data tables, including J-coded data, nondetections, and the method detection limits (MDL) are provided in this submittal within the attachments associated with specific sites (see the Sandia National Laboratories/New Mexico [SNL/NM] responses to Specific Comments for Enclosures A and B). The RFI Report did present the J-coded data for all the ER sites. Results of laboratory quality assurance (QA) and quality control (QC) samples are not contained within the Environmental Restoration Data Management System database and therefore, copies from the laboratory reports are attached following the specific comments for the ER sites.

3. **DOE/SNL Response to Comment 5.**

The Hazardous and Radioactive Materials Bureau (HRMB) does not generally accept TPH analyses for the purpose of site characterization. Although TPH analyses are useful for screening purposes, in most cases, DOE/SNL must also determine whether there has been a release of hazardous constituents at sites that are contaminated with TPH.

Methods 8240 and 8270 are the "standard" methods employed to characterize a site with respect to volatile and semi-volatile organic compounds (VOC's and SVOC's).

Response: Field screening (Hanby) and laboratory analyses for Total Petroleum Hydrocarbons (TPH) were the proposed methods described in the U.S. Environmental Protection Agency (EPA)- and NMED-approved TAIII/V Work Plan. These methods were performed at the majority of ER sites addressed in the TA-III/V RFI report. TPH was selected because of the type of hydrocarbons identified as constituents of concern (COC), specifically mineral oil and transformer oil. Because of the lack of volatile and semivolatile constituents in these types of oil, TPH was selected as the best method for characterizing sites impacted by oil spills and leaks. If additional sampling is required at specific sites, EPA Methods 8260 and 8270 will be used for detection of volatile organic compounds (VOC) and semivolatile organic compounds (SVOC). EPA Method 8260 (capillary column method) is fungible with Method 8240 (packed column method) although EPA Method 8260 is now the preferred method because it provides better resolution, selectivity, and sensitivity (SW 846).

4. **DOE/SNL Response to Comment 6.**

Additional site characterization is needed at some sites before a definitive determination can be made that there has been no impact to ground water. The requested ground-water data and map must be provided to the NMED.

The investigation of ground-water contamination at TA-V will be linked to the source (or sources) of contamination.

Response: The issue of a groundwater investigation at TA-V is more thoroughly addressed in the DOE transmittal letter to these 2nd NOD responses. In summary, existing data on the hydrogeologic conditions (including potential sources) at TA-V will be reviewed, analyzed, and summarized in a report to the NMED. Maps and cross-sections will be included in the data report. The expected date for submittal of this report is mid-December 1998.

5. **DOE/SNL Response to Comment 7.**

The reference to ER Site 18 is a mistake.

The NMED Underground Storage Tank (UST) Bureau will be consulted on a site-by-site basis to determine whether NMED UST regulations apply. In most cases, DOE/SNL will be required to provide proof (through sampling and analysis) that hazardous constituents have not been released to the environment.

Response: The DOE/SNL are interested in establishing who will consult with the NMED Underground Storage Tank (UST) Bureau on a site-by-site basis. With the exception of the High Energy Megavolt Electron Source (HERMES) site (ER Site 36), there are no other ER sites under investigation within the TA-III/V RFI that are former USTs. Transformer oil was spilled on the ground surface at several TA-III/V ER sites. These sites have been shown to contain no hazardous constituents (regulatory levels) with the exception of polychlorinated biphenyls (PCB) at ER Site 18. Please refer to the DOE/SNL responses to the site-specific comments for additional discussion on the potential for hazardous constituents to be released to the environment at oil-contaminated sites.

6. **DOE/SNL Response to Comment 8.**

The new well located west of the former position of KAFB-10 (now abandoned) was drilled at an unacceptable location (too far from LWDS-MW1). DOE/SNL was made aware of this situation prior to the drilling of this new well.

A monitor well must be drilled near the former location of KAFB-10 to evaluate the nature and concentration of contaminants in the ground water.

Response: DOE/SNL will review the existing data, perform some additional studies if prudent, and present the results to the NMED before installing new wells at TA-V. Proposed locations of new wells, if any, and the rationale for these wells will be presented in a TA-V data report. Also see response to General Deficiency 4.

7. **DOE/SNL Response to Comment 9.**

Additional site characterization may be required in cases where the concentration of a Constituent of Concern (COC) lies between the 95th UTL (or 95th percentile) and the proposed Subpart S Action Level for that constituent.

Response: In general, risk assessments can be performed with available data as the logical first step to evaluate whether concentrations of COCs at a site pose a threat to human health and environment. The SNL/NM risk assessment team will evaluate the TA-III/V ER sites under consideration in the near future. The risk assessment process has evolved over the past several years to include evaluating the risk to the ecosystem (or representatives of the ecosystem, i.e., deer mouse). The risk assessment will evaluate whether constituents with concentrations exceeding the maximum background levels (MBL) established by the NMED are of concern. Additional sampling and analysis potentially could be required to provide input to the risk assessments. DOE/SNL will provide the results of the risk assessments to the NMED.

SPECIFIC COMMENTS

Please note that to provide continuity, the 2nd NOD Enclosure B site-specific comments follow directly after the NMED's site-specific comments on the DOE/SNL Responses to the 1st NOD (Enclosure A).

ER Site 18, TA-III: Concrete Pad

1. DOE/SNL Response to Comment 10.

Based on where samples have been collected, it appears that DOE/SNL has assumed hat contaminants were washed off the concrete pad, accumulating nearby onto surface soil. This assumption must be verified by additional sampling. Furthermore, although field-screening methods are useful, laboratory analyses of samples are required to determine whether contamination is present or absent at a site. Therefore, the field-screening results for samples collected along much of the east, west, and south edges of the concrete pad are inadequate for the purpose of site characterization.

DOE/SNL must collect concrete and additional surface-soil samples at ER Site 18. The samples must be analyzed in a laboratory for VOC's, SVOC's, HE, metals, gross alpha, gross beta, and gamma spectrum.

Response: Attachment 18-1 contain laboratory analytical results for ER Site 18, including the additional sampling conducted at the conclusion of the PCB voluntary corrective measure (VCM). Field screening was used as the preliminary assessment of the extent and nature of contamination. Laboratory analyses were performed on samples within the areas of contamination indicated by field screening.

The assumptions for contaminant transport at ER Site 18 are discussed in detail within the TA-III/V Work Plan (Section 5.2.2. Conceptual Model). The Work Plan states that "Most, if not all, of what has been stored at these sites are equipment and scrap metal with traces of contamination and small volumes of associated hydrocarbons that may have leaked onto the concrete and/or surface soils.... The only hazardous materials that could migrate from these sites are the spilled liquids and contaminated fine sediments. Migration pathways for contaminants at both sites are limited to airborne transport of contaminated surface sediments and vadose-zone transport of spilled liquids for very limited distances, due to the small volumes of potential releases." (The above referenced sites are the Storage Yard and the Concrete Pad area.)

Although SNL/DOE has confidence that the combined field screening and laboratory analyses resulted in determination of the nature and extent of contamination at ER Site 18, additional confirmatory samples will be obtained at NMED's request. However, DOE/SNL request that NMED first review the Proposal for a Risk Based Confirmatory

Sampling No Further Action (NFA) (August 1997) prior to beginning any subsequent investigation of the site. Additional sampling results and other data are included in the NFA.

The following requirements must also be met:

A. The grade of the top surface of the concrete pad must be shown on a map. The grade of the concrete pad must be considered when collecting additional samples.

Response: Topographic contours of ER Site 18 are shown on Attachment 18-2 of this submittal. From these contours, the concrete pad appears to be level, with only a slight southward grade on the southern end of the pad. The surrounding topography shows the natural grade gently sloping to the west.

B. Samples must be collected at the north, south, east, and west edges of the concrete pad, spaced no more than 100 ft apart.

Response: Eleven samples (plus one duplicate) were collected and analyzed at an off-site analytical laboratory (Attachment 18-1). DOE/SNL has confidence that the soil sampling efforts with combined field screening and laboratory analyses resulted in determination of the nature and extent of contamination at ER Site 18. Sample locations were selected randomly with some judgmental sample locations in known or suspected spill areas. In areas of detected surficial contamination, soil was sampled to depths of 6 feet below ground surface to determine the vertical extent of contamination.

Comment B requires sample spacing of no more than 100 feet apart, which would require three new samples along the east and west sides and one new sample on the south and north sides. To fulfill NMED's requirement eight additional surface soil samples are proposed near the concrete pad. DOE/SNL will analyze for VOCs, SVOCs, metals, and gamma spectroscopy. Past sampling has indicated that high explosives (HE) are not present at the site. Analysis for gross alpha/gross beta will be conducted on 20% of the samples. Also please see Response to ER Site 18 Specific Comment 1 requesting a review of the Site 18 NFA prior to commencing additional field investigations.

C. Samples of concrete must also be collected to determine whether surface contamination is present.

Response: Collection of concrete samples can be performed, however, DOE/SNL does not understand how this characterization will provide any additional information that is useful for evaluating the nature and extent of contamination. Further information from the HRMB is requested on this issue. Also, please see Response to ER Site 18 Specific Comment 1 requesting a review of the Site 18 NFA prior to commencing additional field investigations.

D. Three surface-soil samples must be collected 30 ft from the edge of the west side of the concrete pad. One of these samples must be located west of where the PCB VCM was conducted.

Response: Three new surface soil samples will be collected at a distance of 30 feet from the concrete pad to fulfill NMED's requirement in Comment D. Also please see Response to ER Site 18 Specific Comment 1 on review of the Site 18 NFA prior to commencing additional field investigations.

E. Three surface-soil samples must be collected 30 ft from the edge of the east side of the concrete pad. One of these samples must be located east of the north-east corner of the pad, where concentrations of Cd exceed background.

Response: One new surface soil sample will be collected at a distance of 30 feet from the concrete pad to fulfill NMED's requirement in Comment E. Also please see Response to ER Site 18 Specific Comment 1 on review of the Site 18 NFA prior to commencing additional field investigations.

F. One sample must be collected 30 ft from the edge of the north side of the pad.

Response: One new surface soil sample will be collected at a distance of 30 feet from the concrete pad to fulfill NMED's requirement in Comment F to verify the horizontal extent of soil contamination. Also please see Response to ER Site 18 Specific Comment 1 on review of the Site 18 NFA prior to commencing additional field investigations.

G. One sample must be collected 30 ft from the edge of the south side of the pad.

Response: One new surface soil sample will be collected at a distance of 30 feet from the concrete pad to fulfill NMED's requirement in Comment G to verify the horizontal extent of soil contamination. Also please see Response to ER Site 18 Specific Comment 1 on review of the Site 18 NFA prior to commencing additional field investigations.

2. DOE/SNL Response to Comment 11.

See General Deficiencies 1 and 7.

Response: (Note: General Deficiencies 1 address the TA III/V and site-wide UTLs and 7 states that additional characterization may be needed when UTLs are exceeded.) Attachment 18-1 contains the ER Site 18 analytical data with the approved NMED MBL. There were no detections above the MBLs in the subsurface soils. Several surface soil samples exceeded the MBLs for Sb, Be, Cd, Cr, Cu, Pb, Ni, and Zn. Subsurface sampling was performed in the areas of elevated metals, TPH, and PCBs in January 1995. The results from these samples are presented in the Site 18 NFA proposal and also included in Attachment 18-1 of this submittal. No metals were found to exceed the NMED-approved background concentrations in the subsurface soils.

3. DOE/SNL Response to Comment 12.

See General Deficiency 1.

Response: See Response to Comment 2.

4. DOE/SNL Response to Status

See Concern 6, ER Site 18, Enclosure B.

Response: Concern 6 of Enclosure B states that NMED will not support an NFA petition for an active site. This statement identifies an issue with potential programmatic implications that will require discussions with the NMED. A response on the status of active sites is not addressed in this submittal.

5. See additional concerns for ER Site 18 in Enclosure B.

Enclosure B
Additional Concerns

ER Site 18, TA-III: Concrete Pad

1. Page 3-5, Section 3.2.2 -- How large was the area that was contaminated with Co-60? DOE/SNL must show this area on a map at an appropriate scale. The area, represented as a point on Figure 3-3, is not adequately shown on this map.

Following removal of the Co-60 contaminated media, where was the waste disposed of?

Response: The only anomaly detected in the Site 18 surface radiation survey was approximately 1.5 by 1.5 feet in dimension. The figure in Attachment 18-3 entitled 'Location of Surface Radiation Anomalies at ER Site 18, TA-III' shows the radiation sources found during the surface gamma radiation survey. Gamma spectroscopic analysis indicated elevated levels of Co-60. The point source of gamma activity 30 percent or greater than the natural background was removed from the site during the surface gamma radiation VCM. One 55-gallon drum from the site was disposed of through SNL/NM Waste Operations (Dept. 7577) as low level radioactive waste at Envirocare of Utah. A copy of the Surface Gamma Radiation VCM report section for ER Site 18 is included in Attachment 18-3.

The other point and area radiation sources (shown on the figure provided in Attachment 18-3) were grouped with the ER Site 240 survey. All radiation anomalies were removed and stored in 55-gallon steel drums. The drums were later shipped to Envirocare of Utah

through SNL/NM Waste Operations (Dept. 7577). Further detail on the radiation survey results are contained in Section 22.2.2 of the TA-III/V RFI Report.

2. **Page 3-4, Figure 3-2 -- The scale of the sample-location map is inadequate. Additional maps must be provided for sections of the concrete pads where sample locations are concentrated.**

   Response: Figures 13-4a and 13-4b (Attachment 18-4) are provided showing sample locations for the northern sections and southern portions of Site 18.

3. **Page 3-7, Figure 3-3 -- Radiological area sources are shown overlapping the concrete pad. Were sections of the concrete pad removed? Was soil adjacent to the pad removed? If so, what was the disposition of these waste streams?**

   Response: The soil adjacent to the pad and any point sources on the Concrete Pad were removed during the ER Site 240 radiation removal VCM. These materials were contained in 55-gallon drums and disposed of as low level radioactive waste through SNL/NM Waste Operations (Dept. 7577) at Envirocare of Utah. The area sources associated with the concrete pad and another source associated with "shine" from material stored on the pad were not removed because they were either on an active site or were from gamma interference from stored equipment. See Figure 5.3.9 from the VCM report in Attachment 18-3.

   Areas that were contaminated with radionuclides need to be addressed in more detail. Sample locations need to be shown on maps. Areas contaminated with depleted uranium, Co-60, and any other radionuclides should be differentiated from one another.

   Response: The surface radiation VCM removed point and area sources from the site, including the Co-60 soil source. More detail on the detection and removal of radionuclides is provided in Section 22 and Section 24 of the TA-III/V RFI Report. Also see the response to ER Site 18 Specific Comment 1.

4. **Why was the concrete pad constructed? Explain why it was necessary to construct such a large pad.**

   Response: Interviews about the site do not mention its intended use other than for storage of equipment and parts.

5. **Page 3-3, Section 3.1.3, 3rd paragraph -- Provide the results for the two samples analyzed for isotopic uranium. What do the results indicate?**

   Response: The results are presented in Attachment 18-1. The results indicate that the isotopic uranium values are well below approved background values and the ratio of U238 to U234 is approximately one.

6. **ER Site 18 is an active site. HRMB will not support a NFA petition for an active site.**

   Response: Activities at ER Site 18 that caused its designation as an ER site are no longer in practice. Contamination has been characterized and a VCM has been completed which removed PCB-contaminated soils at the site. The site owners take over the responsibility for the current and future housekeeping and pollution prevention at the site. Because this issue has programmatic implications, further response to this comment is not provided in this submittal. DOE/SNL requests further discussions with NMED on this issue.

ER SITE 26, TA-III: BURIAL SITE (WEST OF THE LONG SLED TRACK)

1. **DOE/SNL Response to First Bullet of Comment 14**
   [located on page 8, fourth paragraph, first sentence]

   The differences between the 1992 and 1994 surveys must be identified before the 1992 survey can be declared invalid. At a minimum, DOE/SNL must compare the grid spacing and data acquisition technique of the two surveys. At this time, NMED has no assurance that either geophysical survey was adequate. DOE/SNL did not demonstrate that a fine enough grid was used to prevent spatial aliasing of one or two 55-gallon drums buried 5 ft below the ground surface. Models of the magnetic and electromagnetic signature (amplitude and areal extent) of one and two 55-gallon drums must be provided. In addition, the geophysical data need to be displayed in such a way that an anomaly representing a 55-gallon-drum-sized object is readily discernable. The geophysical survey results presented in the RFI report were plotted on maps at an inappropriate scale.

   Field verification is mentioned very little in the RFI report or in the Notice Of Deficiency (NOD)-response. DOE/SNL must examine the areas exhibiting magnetic and electromagnetic anomalies, determine if hazardous constituents are present, and report the results to NMED. If the anomalies are caused by subsurface objects, DOE/SNL must excavate them.

   Response: Attachment 26-1 contains a copy of the section of the magnetometry and radar evaluation report (April 1992) that addressed ER Site 26 and a copy of the geophysical survey conducted in 1994 of ER Site 26. SNL/DOE does not discount the 1992 survey. However, stored equipment has prevented conducting more detailed surveys at the site to verify the 1992 findings. The DOE/SNL agrees that sites containing potential legacy waste, even on active ER sites, should be investigated and remediated. Additional investigation will be conducted to determine the location of the potential burial site. An assessment of the Long Sled Track's current activity and physical restrictions will be conducted to determine when field investigations can be conducted. If a burial site is located, the site will be excavated and potential soil contamination will be investigated by sampling beneath and in the vicinity of the burial site. If no evidence of the burial site

can be found after a thorough investigation, then the ER Site 26 will be proposed for NFA.

2. DOE/SNL Response to First Bullet of Comment 14
[located on page 8, fourth paragraph, third and last sentence]

This is the same information that was in the original RFI report. This will not change NMED's position expressed in the July 31, 1997 NOD.

Response: The response to the 1st NOD from NMED (1st Bullet of Comment 14) is provided below in italics. DOE/SNL understands NMED's position and agrees to conduct further investigation at ER Site 26. The investigation will include but not be limited to a geophysical survey. Also refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

From Comment Responses, Notice of Deficiency July 31, 1997, submitted to EPA and NMED June 1996.

NMED: Only nonintrusive investigative methods were employed at this site. The Phase 3 investigation approved by EPA as part of the original work plan does not appear to have been carried out. Specifically, boreholes were not completed as specified and no metals analyses were performed. This variance must be discussed in the RFI Report.

DOE/SNL Response to first bullet of Comment 14

As discussed in the RFI report, work described in Phase 3 of the investigation (TA-III/V Work Plan) was specifically to investigate two magnetic anomalies (1992 survey), colocated within ER Site 26 and ER Site 83. The most recent geophysical survey (1994) of the entire 150 acres did not confirm the presence of any magnetic anomalies. Equipment storage associated with active ER Site 83 hindered a definitive survey in the southern portion of the site. Further ER investigations at the Long Sled Track are impractical until the site is decommissioned. Subsurface anomalies within ER Site 83 may be investigated at the time of its decommissioning. An NFA for ER Site 26 is in order because it meets the requirements of Criterion 1 of the Document of Understanding, "The site cannot be located or has been found not to exist, is a duplicate PRS, or is located within and therefore, investigated as part of another PRS" (emphasis added).

3. DOE/SNL Response to Second Bullet of Comment 14
[located on page 8, last paragraph]
See NMED comments under Specific Deficiency 1 regarding field verification.

Response: Field verification will be performed on geophysical surveys conducted to investigation ER Site 26.

Specific Comments

A. DOE/SNL Response to Second Bullet of Comment 14
[located on page 9, first paragraph, first sentence]
See NMED comments under Specific Deficiency 1 regarding geophysical surveys.

Response: The response to the 1st NOD from NMED (2nd Bullet of Comment 14) is provided below in italics. DOE/SNL is confident that the burial site, if it exists, must lie within the boundaries of ER Site 83. However, DOE/SNL will conduct additional investigations to determine if a burial site exists. Please refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

From Comment Responses, Notice of Deficiency July 31, 1997, submitted to EPA and NMED June 1996.

- *Because the site has not been completely investigated and delineated, the claim that it may be located 'within' another site cannot be verified.*

Response to second bullet of Comment 14

A geophysical survey was performed over the entire 150 acre site. The only anomalies identified, other than surface debris, were located within active ER Site 83. The anomalies identified previously in the 1992 survey could not be positively identified in the 1994 survey, so no intrusive investigation was performed. Some equipment is presently stored in the southern portion of Site 26 (within active ER Site 83), preventing full definition of this area. The burial site that is the subject of ER Site 26 either does not exist or is located within active ER Site 83.

B. DOE/SNL Response to Second Bullet of Comment 14
[located on page 9, first paragraph, second and third sentences]
See comments under Specific Deficiency 2.

Response: See Response to Site 26 Specific Comment 3, Part A for the DOE/SNL response.

General comment: Neither Site 26 nor Site 83 have been completely characterized. In addition, NMED considers a landfill to be sufficiently different from the Long Sled Track to warrant a separate SWMU designation. Finally, NMED cannot grant NFA status to a landfill based solely on a geophysical survey.

Response: Please refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

4. DOE/SNL Response to Third Bullet of Comment 14
[located on page 9, third paragraph, second sentence]
See comments under Specific Deficiencies 2 and 3.

Response: The response to the 1st NOD from NMED (3rd Bullet of Comment 14) is provided below in italics. Further attempts will be made to locate and characterize buried materials at ER Site 26. Please refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

From Comment Responses, Notice of Deficiency July 31, 1997, submitted to EPA and NMED June 1996.

This NFA request seems to be an attempt to show clean-up progress that may not really have occurred. Because it takes a great deal of time and resources to remove a site from the permit, the permit modification process should be reserved for "legitimate" NFAs.

Response to third bullet of Comment 14

The SNL/NM ER Project is not attempting to show clean-up where none has occurred. We propose that ER Site 26 undergo an NFA based on Criterion 1. When ER Site 83 is decommissioned, further investigation will occur to determine if any objects are buried within the designated boundaries of Site 83, particularly in the southern portion of the site.

5. **DOE/SNL Response to Status**
[located on page 9, fifth paragraph, first sentence]
See comments under Specific Deficiencies 2 and 3.

Response: Please refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

NMED retains its original position on the status of Site 26.

Response: DOE/SNL will perform further investigation at this site. If buried materials are found, they will be excavated, soil contamination will be removed, and the site will be then proposed for NFA. Please refer to the DOE/SNL response to Comment 1 for the ER Site 26 Specific Deficiencies.

ER Site 31, TA-III: Electrical Transformer Oil Spill

1. **DOE/SNL Response to Comment 16.**

The analytical results for PCB's must be provided, even if all sample results were below their Method Detection Limits (MDL). For each sample, the MDL's for each PCB compound must be provided. All QA/QC results must also be submitted.

Sample locations must be shown on a map. DOE/SNL must differentiate between samples analyzed in the field and those analyzed in the laboratory.

Response: The results of the laboratory analyses (including MDLs and field QA/QC results) are included in Attachment 31-1 of this submittal. Copies of laboratory QA/QC data are included in Attachment 31-1.

Sample locations with samples differentiated between those analyzed in the laboratory and those analyzed in the field are shown on Attachment 31-2.

2. **DOE/SNL Response to Status**

HRMB did not state that it would support an NFA petition for ER Site 31. Additional information is required.

Response: DOE/SNL did not state that the HRMB supported an NFA petition for ER Site 31 in our responses. We stated that we believe the site is appropriate for an NFA and agreed with the status statement that the site may be appropriate for an NFA after HRMB's review of the information requested. We hope the additional information included in this response package will provide the information HRMB requires to complete their review.

ER Site 34, TA-III: Centrifuge Oil Spill

1. **DOE/SNL Response to Status**

HRMB did not state that it would support an NFA petition for ER Site 34. Additional information is required (see the comment below).

As mentioned previously, HRMB does not routinely accept TPH results for the purpose of site characterization. However, in this case, HRMB will not insist that samples be analyzed for hazardous constituents (SVOC's and VOC's).

Response: DOE/SNL did not state that the HRMB supported an NFA petition for ER Site 34 in our responses. We stated that we believe the site is appropriate for an NFA and agreed with the status statement that the site may be appropriate for an NFA after HRMB's review of the information requested. We hope the additional information included in this response package will provide the information HRMB requires. A summary of the laboratory data is provided in Attachment 34-1.

2. **See additional concern for ER Site 34 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 34, TA-III: Centrifuge Oil Spill

1. **Sample locations must be shown on a map drawn to scale.**

   Response: A map drawn to scale showing the sample locations is provided in Attachment 34-2.

ER Site 35, TA-III: Vibration Facility Oil Spill

1. **DOE/SNL Response to Comment 19**

   DOE/SNL must prove that hazardous constituents were not released to the environment at ER Site 35. Soil samples must be collected and analyzed in a laboratory for VOC's and SVOC's. Surface and subsurface soil must be sampled.

   By agreement, surface soil in the KAFB area is considered to range in depth from 0-6 inches.

   If hazardous constituents are colocated with the TPH contamination, it is doubtful that the horizontal and vertical extent of contamination has been adequately characterized.

   Response: DOE/SNL will resample surface and subsurface soils for VOCs and SVOCs at ER Site 35, TA-III Vibration Facility Oil Spill. The samples will be analyzed at an off-site laboratory.

   Samples were originally collected at 0- to 1-foot depth interval at this site as discussed in the Work Plan for TA-III/V and approved by the NMED and EPA. According to the Document of Understanding, surface soil ranges from 0 to 2 feet below ground surface with a sampling interval of 6 inches.

2. **See additional concern for ER Site 35 in Enclosure B.**

Enclosure B
Additional Concerns

1. **Results for samples analyzed in the laboratory for PCB's must be provided.**

   Response: Laboratory analytical results, including PCB analyses, are provided in Attachment 35-1.

Specific Comments

ER Site 36, TA-V: Hermes Oil Spill

1. **DOE/SNL Response to Status**

   Additional site characterization may be necessary. See additional concerns for ER Site 36 in Enclosure B.

Enclosure B
Additional Concerns

ER Site 36, TA-V: Hermes Oil Spill

1. **Show on a map, the locations of the oil spills, the five 35,000 gal underground storage tanks, piping associated with the underground storage tanks, and sample locations.**

   Response: Three maps are provided (Attachment 36-1) which show the locations of the former USTs, and piping from the tanks. Two of the maps are from the HERMES II UST Removal Closure Report October 1991 prepared by IT Corporation (IT), and one map is from the On-Site Investigation Report prepared by IT in February 1992. Surface contamination features and staining in soil beneath the tanks are shown on these maps. Also included in Attachment 36-1 of this submission is the UST closure report text. Sample locations are shown on Figure 8-2.

2. **Provide the complete data set (hard copy form), including the analytical results for all QA/QC samples.**

   Response: The analytical data for the RFI sampling events are provided in Attachment 36-2. Copies of the laboratory QA/QC results are provided in Attachment 36-2.

3. **DOE/SNL must submit a copy of the closure letter issued by the NMED/UST Bureau.**

   Response: A copy of the closure letter from the NMED/UST Bureau is included in Attachment 36-3.

ER Site 37, TA-V: Proto Oil Spill

1. **DOE/SNL Response to Status**

   Additional site characterization may be necessary. See additional concerns for ER Site 37 in Enclosure B.

Enclosure B
Additional Concerns

ER Site 37, TA-V: Proto Oil Spill

1. **DOE/SNL must submit a copy of the closure letter issued by the NMED/UST Bureau for ER Site 155.**

   Response: The DOE has notified the NMED UST Bureau several times concerning the closure of the seven ER Site 37 USTs, but has not yet received a closure acceptance letter from the NMED. On June 28, 1993, Kathleen Carlson (DOE Kirtland Area Office [KAO] Area Manager) notified Shelda Mendoza (NMED UST Bureau) of the removal and final closure of the seven Site 37 USTs (6592-2 through 6597-8). Then, on April 29, 1994, John Olav Johnsen (DOE KAO Environmental Safety and Health (ES&H) Compliance Branch) sent a letter to Betsy Hovda of the NMED UST Bureau, requesting closure acceptance letters for a list of USTs which included the ER Site 37 USTs. The DOE is still awaiting the NMED's responses to these letters.

   Copies of both of these two letters to the NMED UST Bureau are presented in Attachment 37-1.

2. **Analytical results for the confirmation samples collected beneath the PROTO UST's must be provided. DOE/SNL must demonstrate that hazardous constituents were not released to the environment. This demonstration must include soil samples collected at depths that are below the bottoms of the UST's.**

   Response: ER Site 37 does not include the PROTO UST site (ER Site 155). ER Site 37 was designated as an ER site to investigate any surface spills that occurred during the operation of the PROTO USTs. Attachment 37-2 presents a detailed description of the removal and closure of the Building 6597 PROTO/IBEX UST System. Table 1 in this attachment presents TPH concentrations for the confirmation soil samples collected from beneath the PROTO USTs. All 16 soil samples collected during the 1993 tank removal operation were below the 100 parts per million (milligrams per kilogram [mg/kg]) TPH guidance standard set by NMED for UST sites. This attachment also includes the PCB analyses results from oil stored in the seven USTs from Site 37.

3. **Page 9-3, Figure 9-2 -- A new map must be provided which differentiates between samples analyzed by field methods and those analyzed in the laboratory.**

   Response: The table in Appendix B of the TA-III/V RFI Report compares the field screening analytical results to the laboratory analytical results for TPH and PCBs at Site 37. This table is presented in Attachment 37-3 of this NOD Response. The revised Figure 9-2 differentiates between samples analyzed by field methods and those analyzed in the laboratory. Samples analyzed in the laboratory were collected from locations A2,

A4, A6, A7, and A8. Samples from all remaining sample locations at Site 37 were field-screened.

4. **Provide the complete data set (hard copy form, not in electronic format), including the analytical results for all QA/QC samples.**

   Response: The analytical results, including QA/QC data, are provided in Attachment 37-4. This attachment includes the original TPH analytical results from samples collected when the UST system was removed.

5. **Show on a map the locations of the oil spills, the seven 25,000 gal underground storage tanks, piping associated with the underground storage tanks, and sample locations.**

   Response: Figure 11-1 in the TA-III/V RFI Work plan shows the locations of the potential spill areas and the seven 25,000 gallon USTs. Figure 9-2 in the TA-III/V RFI Report shows the sample locations. Both of these figures are included in Attachment 37-2. The piping associated with the PROTO / IBEX USTs is shown on the original engineering design diagrams, which are also included in Attachment 37-5.

ER Site 78, TA-III: Gas Cylinder Disposal Pit

1. **DOE/SNL Response to Comment 22**

   The maximum chromium value reported in the RFI report (Table 11.5) is 39.7 mg/kg, not 26.2 mg/kg. Additional site characterization may be needed because a minimum of two "clean" samples was not attained at the end of drilling. Pending review of the information that is requested below, additional site characterization may or may not be required.

   In addition to chromium, maximum concentrations of verification soil samples exceed the approved background levels for As, Pb, and Ag. Because only limited data were provided in the RFI report, HRMB could not determine whether other metals also exceed approved background levels.

   Response: Attachment 78-1 contain the analytical results for soils collected during confirmation sampling at the Gas Cylinder Disposal Pit (GCDP). The SNL/NM site-wide approved background levels were exceeded for As, Pb, Ag, and Ba. The NMED comment on two "clean" samples is an issue that has programmatic implications and will not be addressed in this submittal. DOE/SNL requests discussions with NMED regarding the two "clean" sample issue.

2. DOE/SNL Response to Status

HRMB will not support a NFA petition at this time, as further site characterization may be required. At minimum, because contaminated soil remains buried at the site, a risk assessment must be done after the site is fully characterized.

Response: Results of the confirmatory sampling conducted after completion of the VCM indicated that no additional sampling or remediation was necessary at Site 78. A risk assessment was not performed because only a few constituents exceeded the MBLs and none were in excess of the proposed RCRA Subpart S soil action levels. If the risk assessment team determines sufficient cause to perform risk calculations for human and ecorisk, then a risk assessment will be performed using the existing data. Additional sampling and analysis will be considered for risk assessment purposes.

3. See additional concerns for ER Site 78 in Enclosure B.

Enclosure B
Additional Concerns

ER Site 78, TA-III: Gas Cylinder Disposal Pit

1. Page 11-5, Section 11.3.3 -- DOE/SNL must submit a map showing the results of the geophysical survey conducted during Phase 1 (Preliminary Work).

Response: Plate 3 in the RFI Report shows the results of the geophysical survey conducted during the Phase I work. Included in this submittal is the report on the geophysical survey by Lamb Associates Inc. (Attachment 78-2) to further clarify the results of the geophysical survey conducted during Phase 1.

2. DOE/SNL must provide the final geophysical survey(s) of the excavation that indicated that no other waste remained buried at the site.

Response: The excavation process included magnetometer surveys of the areas excavated. The contractor performing the GCDP excavation prepared the "Field Work Completion Report", February 1995. A description from the report of the methods utilized during the excavation and investigation of the GCDP is provided in Attachment 78-3. This process ensured that no materials were left buried at the site.

3. DOE/SNL must provide all data associated with the verification sampling, including analytical results for all QA/QC samples.

Response: These laboratory analytical data, including QA/QC are included in Attachment 78-1.

4. **There is no indication whether verification samples were collected along the sides of the VCM excavation. DOE/SNL must state whether such samples were collected.**

   Response: No verification samples were collected along the sides of the VCM excavation because there was no field evidence of contamination at the edges of the excavation. Contamination was present beneath the exhumed cylinders and batteries and was constrained to a thin layer of soil. Geoprobe samples were taken all around the battery mound area to ensure the Cr-contaminated soil was removed. See the description in the Field Work Completion Report in Attachment 78-3. Should NMED have more concerns, a meeting with SNL personnel involved in the VCM will be arranged to discuss the excavation procedures and verification sampling in more detail.

   DOE/SNL must provide a map showing sampling locations which were used to delineate the extent of thorium-contaminated surface soil. DOE/SNL must prove that all thorium-contaminated surface soil has been removed and that such soil does not extend beyond the edges of the VCM excavation.

   Response: Included in Attachment 78-3 is a map from the "Field Work Completion Report" which provides the boundaries of the elevated radiological readings. The map shows the limits of the thorium-contaminated soils to be within the survey boundary. Also included as Attachment 78-3 is a description of the two final radiological surveys that were completed following excavation of hazardous materials from the GCDP. These data show that no thorium-contaminated soil remained in the excavation.

ER Site 83, TA-III: Long Sled Track

1. **DOE/SNL Response to Comment 23**
   [located on page 15, paragraph two]

   DOE/SNL shall submit to NMED the estimated dose to site workers that may be exposed to the "large soil area". DOE/SNL shall also submit sampling data of the "large soil area" to support DOE/SNL's calculations of dose to site workers. NMED will accept the DOE/SNL response when DOE/SNL have demonstrated to NMED's satisfaction that the dose to site workers does not endanger human health.

   Response: The SNL/NM Radiation Protection Program operates a stringent worker safety program that includes dose monitoring, engineered control measures, and worker training under 10 CFR 835 and DOE Order 5400.5. Workers involved in operations at the active Sled Track are included in the SNL/NM radiation protection program.

   The VCM at ER Site 83 was conducted to reduce potential radiation exposure to environmental personnel collecting samples and conducting other activities such as geophysical surveys. The surface removal VCM was conducted as part of the ER-wide surface-gamma-radiation removal project. Large excavation of soil was beyond the scope of that project. Currently, no further site investigation is expected to occur until after the

Long Sled Track is decommissioned. After the site is decommissioned and before ER site investigations commence, a new radiation survey and surface removal VCM will be performed to identify and remove radiation anomalies, including those within the 'large soil area'.

The 'large soil area' really constitutes a number of point sources, some located too deep to excavate during the surface gamma radiation removal VCM. Presently, the 'large soil area' is fenced and signs alert workers that the area is a 'Soil Contamination Area'. Data obtained during the gamma radiation survey can be used to indicate an approximate dose rate to workers. Given the highest reading from the survey of 0.018 milliroentgen per hour (mR/hr) (sample # 83E319) multiplied by 2000 hours per year for a full-time worker (assumed to be standing or sitting on the hot spot) then a dose of 36 mR/yr would be received by that worker for the year. Background at SNL/NM is 360 mR/yr. A worker at SNL/NM is allowed 100 mR/yr additional dose. Thus, the 36 mR/yr dose that would be the maximum exposure from a point source at Site 83 would be only 36% of the allowable additional dose. This scenario is, of course, an unrealistic exposure to an SNL/NM worker. The 'large soil area' is presently fenced and signs are posted which identifies the area as a Soil Contamination Area.

DOE/SNL Response to Comment 23
[located on page 15, paragraph two]

This response promises that a full site investigation will be conducted once the site is decommissioned. DOE/SNL shall also remove any hazardous constituents or clean up hazardous constituents to risk-based concentrations, once the site is decommissioned.

Response: The identified COCs at ER Site 83 are depleted uranium, HEs, and heavy metals. Radiological and non-radiological COCs will be addressed in the site investigation and remediation following site decommissioning.

2. **DOE/SNL Response to Comment 24**
[located on page 15, paragraph four]

DOE/SNL did not address the NOD comment completely. DOE/SNL shall conduct a complete investigation within two years after site decommissioning.

Response: Although conducting an ER site investigation within two years after site decommissioning appears to be a reasonable time frame, DOE/SNL cannot commit to this schedule when it is unknown how long the Long Sled Track will remain active and what the status of the Hazardous and Solid Waste Amendments permit program will be at that time. Because this issue appears to have programmatic implications, further discussions with the NMED/HRMB are believed necessary.

Specific Comments

ER Site 84, TA-III: Gun Facilities

1. **See additional concerns listed in Enclosure B for ER Site 84.**

Enclosure B
Additional Concerns

ER Site 84, TA-III: Gun Facilities

1. **DOE/SNL did not demonstrate that a fine enough grid was used to prevent spatial aliasing of 3" x 3" fragments buried 1.5 ft below the ground surface. A model of the electromagnetic signature (amplitude and areal extent) of a 3" square fragment must be provided. In addition, the geophysical data need to be displayed in such a way that the anomalies are easily discernable. The geophysical survey results presented in the RFI report were plotted on maps at an inappropriate scale.**

   Response: The two reports on the electromagnetic survey conducted at the Gun Facility are provided as Attachment 84-1. Once the site is decommissioned, a more thorough investigation will be conducted and a finer grid spacing for small fragments may be used at that time, if appropriate. A sampling and analysis plan will be written for the investigation, at which time the NMED can comment on the proposed methodologies and procedures. Additionally, as discussed in the RFI Report, the southeastern portion of the site will need to be surveyed for subsurface anomalies.

2. **Page 13-7/8 of the TA III/V RFI Report, third paragraph, last sentence: It appears possible that some anomalies extend to the southeast and were not fully covered by the additional survey. The geophysical survey needs to be extended to the southeast.**

   Response: ER Site 84 is an active facility. Upon site decommissioning, a more thorough investigation of the site will be conducted. As part of the ER-wide surface-gamma-radiation removal project, all but three of the surface anomalies were removed. To date, no additional radiation removal VCM activities have been conducted at this site. The SNL/NM ER Project presently anticipates no further investigation or cleanup activities at ER Site 84 until the site is decommissioned. At that time, investigations should include conducting a geophysical survey to the southeast.

3. **NMED understands that a full investigation will be completed once the site is decommissioned. After decommissioning, NMED expects field verification of all geophysical anomalies encountered at the site.**

   Response: Conclusions and recommendations will be presented after a more complete investigation has been conducted at the site. SNL/DOE anticipates that a field investigation/verification will be included as part of the ER process.

Specific Comments

ER Site 100, TA-III: Building 6620 Drain/Sump

1. **DOE/SNL Response to Comment 27**

   The tile must be removed to determine conclusively whether a floor drain was present. Once the floor tile is removed, HRMB staff will inspect the building.

   Response: Additional investigation will be performed to verify the findings of the TA-III/V RFI Report. The DOE/SNL will determine if removal of floor tile is necessary, based on the additional investigation.

2. **DOE/SNL Response to Status**

   See Specific Deficiency 1.

   Response: See Response to ER Site 100 Specific Comment 1.

3. **See additional concerns for ER Site 100 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 100, TA-III: Building 6620 Drain/Sump

1. **DOE/SNL must revise Figures 14-1 and 14-2 such that they also show the location of the ditch that is situated somewhere north of Building 6620. Furthermore, on these revised figures, DOE/SNL must clarify exactly where the exploratory trench was placed.**

   Response: Figure 14-1 in Attachment 100-1 has been modified to show surrounding features at ER Site 100. Figure 14-2 (Attachment 100-1) shows the exploratory trench location more clearly.

2. **DOE/SNL must provide justification as to why the exploratory trench was limited to a depth of only 3 ft.**

   Response: The trench was limited to a depth of 3 feet because piping and utilities are rarely present more than 18 inches below grade. Further investigation, possibly consisting of conducting additional interviews, reexamining the building, and intrusive investigations will be performed to verify the findings of the TA-III/V RFI Report.

3. **The presence of utility lines, fences, and soil berms is not considered to be a reasonable excuse for the purpose of abandoning site-characterization efforts.**

Response: DOE/SNL will attempt additional investigations of the site. For safety reasons, the presence of buried utility lines does preclude intrusive investigation at locations where such utilities are present. See Response to Comment 2 of ER Site 26, Enclosure B.

ER Site 107, TA-III: Explosives Test Area

1. **DOE/SNL Response to Comment 28**
[located on page 17, paragraph six]

The 10 samples plus one duplicate sample collected for this investigation were composite samples. Composite samples are unacceptable for the purposes of site characterization. Therefore, statistical analyses of composite samples are not acceptable in this case.

Response: The results of the statistical analyses were specifically requested in the first NOD, and thus were provided. Composite sampling was an approved sampling method in the approved TA-III/V Work Plan.

2. **DOE/SNL Response to Comment 28**
[located on page 17, paragraph six, last sentence]

NMED has not approved TA-III/V specific background UTLs and 95th percentiles. DOE/SNL must compare TA-III/V investigation data to site-wide background UTLs/95th percentiles. DOE/SNL must compare analytical data from discrete samples to the site-wide background UTLs/95th percentiles.

Response: Discrete samples were not collected at ER Site 107. As described in the approved RFI Work Plan, composite samples were collected during the first phase of the investigation. The Phase I results indicate that soil contamination was not present at the site. However, the Phase II investigation proceeded to verify these results. Composite samples, described in the approved RFI Work Plan, were collected from 10 grid cells. Four to eight soil samples were collected at a depth of 0 to 6 inches and were composited. The composited samples were field screened for HEs by immunoassay, metals by x-ray fluorescence analysis, and radionuclides by gamma spectroscopy. Ten composited samples were analyzed at an off-site laboratory for HEs, nitrates and nitrites, metals, and gamma spectroscopy in accordance with EPA methods.

Attachment 107-1 contains the laboratory analytical results with approved site-wide background MBLs for applicable analytes.

3. **DOE/SNL Response to Comment 28**
[located on page 18, first paragraph, first sentence]

Are the Phase II samples composite samples? If so, they are unacceptable to the NMED. DOE/SNL shall submit analytical results of all discrete samples (hard copy form), submit all QA/QC data, a sampling map of all discrete sample locations, and shall compare all discrete sample concentrations to the site-wide background UTLs/95th percentiles. If DOE/SNL has not collected any discrete samples, DOE/SNL shall do so.

Response: As discussed in the response to Comment 2, the Phase II samples were composite samples. This sampling methodology was proposed in the RFI Work Plan and was approved by the EPA and NMED. Data that has been collected in accordance to an approved Work Plan and that is now determined to be unacceptable by NMED is a programmatic issue requiring further discussion with NMED.

As shown on the figure in Attachment 107-2, the Corrective Action Management Unit (CAMU) and the Radioactive Materials and Waste Management Facility are located within the boundaries of ER Site 107. The CAMU will be used for the staging, treatment, and containment of hazardous remediation waste generated during ER Project activities. The construction of the CAMU is in progress and significant physical alterations to the site have been made in consultation with the NMED and the EPA. The surface at the site has been graded and CAMU structures built. The "Class III Permit Modification Request for the Management of Hazardous Remediation Waste in the Corrective Action Management Unit, Technical Area III, Sandia National Laboratories/New Mexico, Environmental Restoration Project; Final Report, September 1997" addresses the regulatory requirements for designation of a CAMU at ER Site 107. The permit modification plan has been approved by the EPA. Appendix D of the CAMU document contains the Closure Plan for the CAMU. As part of the closure, sampling and analysis will be conducted to assure clean closure in all the staging and treatment areas.

4. DOE/SNL Response to Comment 28
[located on page 18, second paragraph]

A NFA decision is not appropriate.

Response: An NFA decision is proposed by DOE/SNL because we have demonstrated under an approved Work Plan that no contamination exists in the surface soils above regulatory limits or relevant MBLs. Please refer to ER Site 107 Specific Comment 2. We request that NMED reconsider its position on this NFA proposal or contact DOE/SNL to further discuss their concerns.

Specific Comments

ER Site 111, TA-III: Building 6715 Sump/Drain

1. **DOE/SNL Response to Comment 29**

   Because the geologist did not log two of the three boreholes, there is no documented proof that strata encountered in all three boreholes were "almost identical". In most situations, all boreholes should be logged.

   Response: DOE/SNL agrees that borehole logging by a geologist can provide valuable information for site characterization; SNL/NM field operating procedures recommend lithologic logging of boreholes. In this case the boreholes were spaced so closely together that the soil composition was consistent in each of the boreholes.

2. **See additional concerns for ER Site 111 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 111, TA-III: Building 6715 Sump/Drain

1. **DOE/SNL must provide the complete data set (hard copy form), including the analytical results for all QA/QC samples.**

   Response: The analytical data, including QA/QC data, are included in Attachment 111-1.

2. **DOE/SNL must revise Figure 18-1 and 18-2 such that they show the locations of the steel tank, PVC discharge pipe, the drain pit, and sample locations.**

   Response: Figures 19-1 from the RFI Work Plan is included in Attachment 111-2 to show the location of the features requested. The actual sample locations are shown in Figure 18-2, also included in Attachment 111-2.

3. **What was the estimated total discharge (by volume) over the life of the unit?**

   Response: This information is unavailable.

4. **Analytical results in Table 18.1 indicate that soil at ER Site 111 is contaminated with silver in excess of the approved background level. HRMB will not support a NFA petition at this time, as further site characterization may be required. Additionally, because contaminated soil remains at the site, a risk assessment must be done after the site is fully characterized.**

   Response: Silver was found in only one sample and its duplicate at very low concentrations (1.9 and 2.1 mg/kg) in the uppermost sample at 8-feet. Silver was undetected in the 12-foot and 15-foot samples, thus defining the vertical extent of

contamination. Although silver exceeded approved MBLs (<1) directly below the former gravel drain pit, the DOE/SNL believes there is no need for additional investigation at this site. The need for a risk assessment at this site will be evaluated and discussed with NMED.

5. **Page 18-4, Section 18.2.1 -- DOE/SNL must submit a map showing the location of the 1.5 acre excavation site located 500 ft west of ER Site 111. The site must be investigated as a potential new solid waste management unit. DOE/SNL must provide a sampling and analysis plan to the NMED for review and approval prior to carrying out this investigation.**

   Response: The DOE/SNL is unaware of an excavation site located 500 feet west of ER Site 111 and cannot address Comment 5 in this submittal. Visual field inspection was performed by SNL personnel, but no excavation was found. The DOE/SNL suggests the NMED should meet with DOE/SNL representatives to visit the area of concern. SNL will then follow the SNL procedures (ES&H Manual Form 2001 PWR) for reporting a potential past waste release site.

ER Site 196, TA-V: Building 6597 Cistern

1. **DOE/SNL Response to Comment 31**

   The presence of "minor" VOC concentrations in both soil samples (on-site laboratory) and soil-gas samples indicates that hazardous constituents were released to the environment. The extent of contamination has not been determined. Contamination at the site is a potential threat to ground water.

   Contaminants detected at the site include TPH, TCE, 1,1,1-TCA, benzene, toluene, methylene chloride, copper, lead, and zinc. This site may be the source or one of the sources of the TCE contamination seen in ground water at TA-V.

   Additional site characterization, including the collection and analysis of soil samples from deep boreholes, is required.

   Response: SNL/DOE will conduct further investigation of the Building 6597 Cistern to characterize the vertical extent of contamination.

2. **DOE/SNL Response to Comment 32**

   This response relies on the assumption that only small quantities of waste transformer oil were discharged into the cistern (5 gal per week, page 21-1, paragraph 1). However, HRMB questions why such a large cistern (a seepage pit 20-ft deep by 25-ft diameter) and associated piping was constructed to discharge such small quantities of waste oil.

Response: There are no interviews that provide information on the NMED's question regarding the size of the cistern. However, the cistern has the capacity to contain 73,400 gallons of transformer oil. The cistern was probably constructed to hold the bulk of transformer oil should an emergency occur that would necessitate rapid evacuation of the oil from the PROTO I facility. SNL/DOE will provide any additional information on the construction of the cistern should further details become available.

Additionally, as mentioned in the above comment, "minor" VOC concentrations in both soil samples and soil-gas samples were detected by the on-site laboratory. DOE/SNL cannot dismiss these on-site laboratory results simply because they are less favorable than the off-site results.

Response: SNL/DOE is not dismissing the on-site laboratory analyses, however, the reported amounts were very low for the VOCs detected (see Attachment 196-1) and as NMED/HRMB is aware, false positives are common for VOCs because of laboratory contaminants.

2. **See additional concern for ER Site 196 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 196, TA-V: Building 6597 Cistern

1 **DOE/SNL must provide the complete data set (hard copy form), including the analytical results for all QA/QC samples.**

Response: The analytical data for ER Site 196, including QA/QC data, is provided in Attachment 196-1.

ER Site 240, TA-II; Short Sled Track

1. **DOE/SNL Response to Comment 33**
[located on page 21, second paragraph]

DOE/SNL conducted field screening on composite samples. DOE/SNL's response did not address the NMED's position on field screening. NMED retains its position on field screening. In addition, field screening should be conducted on discrete samples.

Response: Field screening was proposed and approved in the TA-III/V Work Plan. Because ER Site 240 is an active site, a complete investigation will be conducted after the site has been decommissioned. The DOE/SNL assumes that some sampling and analysis methods may change given advances in technology.

2. **See additional concerns for ER Site 240 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 240, TA-III: Short Sled Track

1. **DOE/SNL must submit to NMED the complete data set (hard copy form) for all discrete samples for all analytes. DOE/SNL must also submit to NMED the corresponding QA/QC data set.**

   Response: The analytical data, including QA/QC data, for ER Site 240 is provided in Attachment 240-1.

2. **DOE/SNL compared sample results to TA III/V - specific background UTLs/95th percentiles. NMED has not approved TA III/V - specific background UTLs/95th percentiles. DOE/SNL must compare results from discrete samples to Site-Wide UTLs/95th percentiles.**

   Response: Relevant analytical data is compared with MBL (Attachment 240-1). Also see DOE/SNL response to General Comment 1.

ER Site 241, TA-III: Storage Yard

1. **DOE/SNL Response to Comment 34**

   The site is contaminated with metals (Sb, Be, Cd, Cu, Pb, Zn) and PCB's. Additional site characterization is necessary.

   DOE/SNL must provide the complete data set (hard copy form), including the analytical results for all QA/QC samples, and all radiochemical results.

   If contaminants are left at the site, then a risk assessment will be required after the site is fully characterized.

   Response: The need for a risk assessment will be evaluated for ER Site 241. Additional sampling and analysis will be performed if required for to perform a risk assessment.

   Analytical results, including QA/QC data, are provided in Attachment 241-1. The approved MBLs are provided for comparison.

2. **See additional concerns for ER Site 241 in Enclosure B.**

Enclosure B
Additional Concerns

ER Site 241, TA-III: Storage Yard

1. **The number of samples analyzed in the laboratory are inadequate for such a large site. Additional surface-soil samples must be collected and analyzed for all of the constituents of concern.**

   Response: Surface and near-surface soil samples may be collected in areas where data are lacking for risk assessment. Samples will be analyzed for RCRA metals plus beryllium, PCBs, VOCs, and SVOCs. Gamma spectroscopy, gross alpha and gross beta analyses will be performed on 20 % of the samples.

   All samples will be analyzed at an off-site analytical laboratory. Because HEs were not detected in any of the previous samples, these analyses will not be performed except in areas where no samples were collected in the previous sampling event. Sampling will be performed at the earliest possible opportunity within budgeting and scheduling constraints. Notification of the sampling schedule will be provided to the NMED Oversight Bureau (OB) and HRMB.

2. **The sample-location map (Figure 23-3) is not adequate. DOE/SNL must submit a revised sample-location map that is generated using a scale such that individual sample locations can be identified.**

   Response: A revised sample location map is attached in Attachment 241-2 that shows individual sample locations.

Attachment 18-1

Laboratory Analytical Results for ER Site 18

Laboratory QA/QC – copied from laboratory reports

ER Site 18 RFI Analytical Results for Surface Soil Samples ; RCRA Metals + Beryllium

ER Sample ID	Sample Date	Sample Depth (feet)	Units	EPA Method 6010A and 7470/7471 for Mercury									
				Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Mercury	Nickel	Silver	Selenium
TA3/5-18-240E219	27-APR-94	0 - 1	mg/kg	2.9	74.5	0.42	ND	6.2	8.5	ND	6	ND	ND
TA3/5-18-SS-02	27-APR-94	0 - 1	mg/kg	3.1	123	0.37	0.79	6.6	16.5	ND	7.1	ND	ND
TA3/5-18-SS-06	27-APR-94	0 - 1	mg/kg	2.3	66.6	0.37	2.7	12	34.3	ND	6.2	ND	ND
TA3/5-18-SS-07	27-APR-94	0 - 1	mg/kg	2.5	89.7	0.27	2.5	17.3	60.4	ND	9.5	ND	ND
TA3/5-18-SS-08	27-APR-94	0 - 1	mg/kg	2.6	72.3	0.37	0.89	66.5	22.7	ND	35.7	ND	ND
TA3/5-18-SS-14	27-APR-94	0 - 1	mg/kg	2.8	94	0.42	15.2	5.4	8.2	ND	5.7	0.38	ND
TA3/5-18-SS-14D	27-APR-94	0 - 1	mg/kg	2.8	97.1	0.42	9.5	6.2	7.8	ND	6.7	ND	ND
TA3/5-18-SS-15	27-APR-94	0 - 1	mg/kg	3.1	99.2	0.58	17.5	7.4	8.3	ND	6.3	ND	ND
TA3/5-18-SS-16	27-APR-94	0 - 1	mg/kg	2.9	90.2	0.58	18.9	6.7	9.9	ND	6.7	ND	ND
TA3/5-18-SS-26	27-APR-94	0 - 1	mg/kg	3.2	82	0.74	ND	7.5	6.9	ND	7.4	ND	ND
TA3/5-18-SS-27	27-APR-94	0 - 1	mg/kg	2.4	64.9	0.42	ND	6.7	6.8	ND	6.2	ND	ND
TA3/5-18-SS-39	27-APR-94	0 - 1	mg/kg	2.3	106	0.42	ND	6.6	10.6	ND	6.6	ND	ND
		Detection Limit	mg/kg	1	1	0.2	0.5	1	0.3	0.1	4	1	0.5
		MBLs	mg/kg	4.4	214	0.65	<1	21.8	21.4	<0.25	11.5	5.6	<1
Quality Assurrance/Quality Control Samples													
TA3/5-18-SS-RBA	27-APR-94	na	mg/l	ND	0.0045 J	ND	ND	ND	0.0042 B	ND	ND	0.0061 J	ND
TA3/5-18-SS-FBA	27-APR-94	na	mg/l	ND	ND	ND	ND	ND	0.0042 B	ND	ND	ND	ND

MBLs - maximum background level established by New Mexico Environment Department Hazardous and Radioactive Materials Bureau (HRMB), September 1997
na = not applicable/not analyzed
FBA - field blank
RBA - rinsate blank
ND - not detected above the method detection limit

ER Site 18 RFI Analytical Results for Surface Soil Samples ; Inorganic Constituents

ER Sample ID	Sample Date	Sample Depth (feet)	Units	EPA Method 6010A												
				Antimony	Aluminum	Calcium	Iron	Potassium	Magnesium	Manganese	Sodium	Cobalt	Copper	Thallium	Vanadium	Zinc
TA3/5-18-240E219	27-APR-94	0 - 1	mg/kg	4.8 J	4740	9950	6440	1280	1530	135	90 J	3.1	8.7	ND	11.7	70
TA3/5-18-SS-02	27-APR-94	0 - 1	mg/kg	ND	4580	46600	6690	868	3160	146	61.9 J	3.3	10.1	0.47 J	11.2	34.3
TA3/5-18-SS-06	27-APR-94	0 - 1	mg/kg	6.2	4110	24900	6740	1130	2180	141	548	2.9	29.5	ND	10.5	51.1
TA3/5-18-SS-07	27-APR-94	0 - 1	mg/kg	4.6 J	3810	26600	7430	848	2080	138	ND	2.9	95.7	ND	9.3	63.2
TA3/5-18-SS-08	27-APR-94	0 - 1	mg/kg	5.7 J	4030	22400	6740	1060	2060	136	234 J	3.4	12.8	ND	10.6	34
TA3/5-18-SS-14	27-APR-94	0 - 1	mg/kg	2.6 J	5650	37800	6720	1150	2160	120	64.7 J	3.1	7.6	ND	10.7	20
TA3/5-18-SS-14D	27-APR-94	0 - 1	mg/kg	8	5890	34200	7420	1220	2170	120	63.3 J	3	7.4	ND	10.8	21.1
TA3/5-18-SS-15	27-APR-94	0 - 1	mg/kg	ND	7320	9900	7820	1500	1980	146	ND	3.5	7.3	ND	12.7	21.4
TA3/5-18-SS-16	27-APR-94	0 - 1	mg/kg	ND	6570	6130	7700	1420	1860	151	ND	3.1	9.3	ND	12.5	24.1
TA3/5-18-SS-26	27-APR-94	0 - 1	mg/kg	ND	7950	2800	8190	1680	2080	121	ND	4.1	6.9	ND	13.7	22.4
TA3/5-18-SS-27	27-APR-94	0 - 1	mg/kg	3.8 J	5980	3200	7080	1290	1650	135	228 J	3.2	7.4	ND	11.9	24.4
TA3/5-18-SS-39	27-APR-94	0 - 1	mg/kg	4.7 J	5540	8290	7180	1920	1970	176	89 J	3.1	9.3	ND	12.7	28.3
		Detection Limit	mg/kg	6	10	20	10	500	20	1	500	1	2	1	1	2
		MBLs		3.9	na	na	na	na	na	na	na	5.2	15.4	na	20.4	62
Quality Assurrance/Quality Control Samples																
TA3/5-18-SS-RBA	27-APR-94	na	mg/l	ND	0.06 J	0.56	0.055 J	0.42 J	ND	ND	ND	ND	0.016 J	0.0043 J	0.0026 J	0.029
TA3/5-18-SS-FBA	27-APR-94	na	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J

ER Site 18: TA3/5 RFI Analytical Results for Surface Soil Samples ; Polychlorinated Biphenyls (PCBs)

ER Sample ID	Sample Date	Sample Depth (feet)	Units	EPA Method 8080						
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
TA3/5-18-SS-02	27-APR-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	36000 (13000)	ND
TA3/5-18-SS-06	27-APR-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	780 (330)	ND
TA3/5-18-SS-07	27-APR-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	1600 (660)	ND
TA3/5-18-SS-08	27-APR-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	710 (330)	ND
		Detection Limit	ug/kg	330	330	330	330	330	(see above)	330
Quality Assurrance/Quality Control Samples										
TA3/5-18-SS-FBA	27-APR-94	na	ug/l	ND	ND	ND	ND	ND	ND	ND
TA3/5-18-SS-RBA	27-APR-94	na	ug/l	ND	ND	ND	ND	ND	ND	ND
		Detection Limit	ug/l	1	1	1	1	1	1	1

na = not applicable
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

ER Site 18 RFI Analytical Results for Surface Soil Samples: Uranium Isotopes

ER Sample ID	Sample Date	Sample Depth (feet)	Units	Alpha Spectroscopy		
				Uranium-233/234	Uranium-235	Uranium-238
TA3/5-18-SS-16	27-APR-94	0 - 1	pCi/g	0.53 (0.034)	0.019 (0.013)	0.96 (0.013)
TA3/5-18-SS-07	27-APR-94	0 - 1	pCi/g	0.64 (0.014)	0.02 (0.014)	0.62 (0.031)
TA3/5-18-240E219	27-APR-94	0 - 1	pCi/g	0.43 (0.037)	0.022 (0.022)	0.68 (0.032)
		MBLs	pCi/g	2.31	0.16	2.31
Quality Assurrance/Quality Control Samples						
TA3/5-18-SS-RBA	27-APR-94	0 - 1	pCi/g	0.14 (0.064)	ND (0.05)	0.12 (0.042)
TA3/5-18-SS-FBA	27-APR-94	0 - 1	pCi/g	0.16 (0.023)	ND (0.062)	0.2 (0.052)

(0.034) - Detection Limit
na = not applicable
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

Attachment 18-1 Table 5

Comparison of ER Site 18 Metals Results to NMED-Approved Maximum Background Levels (MBLs)

Analyte	SNL Site-Wide Maximum Background (mg/kg) Surface	SNL Site-Wide Maximum Background (mg/kg) Subsurface	Site 18 Maxima (mg/kg) Surface	Site 18 Maxima (mg/kg) 2-ft depth	Site 18 Maxima (mg/kg) 6-ft depth	Number of detects above MBLs Surface	Number of detects above MBLs Subsurface
Antimony	3.9	3.9	8	bdl	bdl	6	0
Arsenic	5.6	4.4	3.2	bdl	bdl	0	0
Barium	130	214	123	bdl	bdl	0	0
Beryllium	0.65	0.65	0.7	bdl	bdl	1	0
Cadmium	<1	0.9	18.9	bdl	bdl	6	0
Chromium	17.3	15.9	66.5	13.1	12.3	2	0
Copper	15.4	18.2	95.7	6.2	12.7	2	0
Lead	21.4	11.8	60.4	5.5	5.5	3	0
Nickel	11.5	11.5	35.7	bdl	bdl	1	0
Silver	<1.0	<1.0	bdl	bdl	bdl	0	0
Uranium	3.42	2.3	0.9	bdl	bdl	0	0
Vanadium	20.4	21.5	13.7	bdl	bdl	0	0
Zinc	62	62	70	24.4	26.3	2	0

bdl – below method detection limit
Detections includes J values

Attachment 18-1

ER Site 18 RFI Analytical Results for VCM Confirmatory Soil Samples; Metals

ER Sample ID	Sample Number	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Sample Type	Material
TA3/5-18-A1-2	021503-01	24-JAN-95	2	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A1-2	021503-01	24-JAN-95	2	Chromium	T-6010	mg/kg	13.1		F	SOIL
TA3/5-18-A1-2	021503-01	24-JAN-95	2	Copper	T-6010	mg/kg	6.2		F	SOIL
TA3/5-18-A1-2	021503-01	24-JAN-95	2	Lead	T-6010	mg/kg	5.1		F	SOIL
TA3/5-18-A1-2	021503-01	24-JAN-95	2	Zinc	T-6010	mg/kg	24.4		F	SOIL
TA3/5-18-A1-6	021505-01	24-JAN-95	6	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A1-6	021505-01	24-JAN-95	6	Chromium	T-6010	mg/kg	12.3		F	SOIL
TA3/5-18-A1-6	021505-01	24-JAN-95	6	Copper	T-6010	mg/kg	4.6		F	SOIL
TA3/5-18-A1-6	021505-01	24-JAN-95	6	Lead	T-6010	mg/kg	3.7	J	F	SOIL
TA3/5-18-A1-6	021505-01	24-JAN-95	6	Zinc	T-6010	mg/kg	21.1		F	SOIL
TA3/5-18-A2-2	021506-01	24-JAN-95	2	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A2-2	021506-01	24-JAN-95	2	Chromium	T-6010	mg/kg	7.4		F	SOIL
TA3/5-18-A2-2	021506-01	24-JAN-95	2	Copper	T-6010	mg/kg	5.5		F	SOIL
TA3/5-18-A2-2	021506-01	24-JAN-95	2	Lead	T-6010	mg/kg	5.5		F	SOIL
TA3/5-18-A2-2	021506-01	24-JAN-95	2	Zinc	T-6010	mg/kg	21.5		F	SOIL
TA3/5-18-A2-6	021508-01	24-JAN-95	6	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A2-6	021508-01	24-JAN-95	6	Chromium	T-6010	mg/kg	11.6		F	SOIL
TA3/5-18-A2-6	021508-01	24-JAN-95	6	Copper	T-6010	mg/kg	12.7		F	SOIL
TA3/5-18-A2-6	021508-01	24-JAN-95	6	Lead	T-6010	mg/kg	4.6	J	F	SOIL
TA3/5-18-A2-6	021508-01	24-JAN-95	6	Zinc	T-6010	mg/kg	21.5		F	SOIL
TA3/5-18-A3-2	021511-01	24-JAN-95	2	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A3-2	021511-01	24-JAN-95	2	Chromium	T-6010	mg/kg	6.4		F	SOIL
TA3/5-18-A3-2	021511-01	24-JAN-95	2	Copper	T-6010	mg/kg	3.2		F	SOIL
TA3/5-18-A3-2	021511-01	24-JAN-95	2	Lead	T-6010	mg/kg	3.9	J	F	SOIL
TA3/5-18-A3-2	021511-01	24-JAN-95	2	Zinc	T-6010	mg/kg	14.4		F	SOIL
TA3/5-18-A3-6	021513-01	24-JAN-95	6	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A3-6	021513-01	24-JAN-95	6	Chromium	T-6010	mg/kg	11.3		F	SOIL
TA3/5-18-A3-6	021513-01	24-JAN-95	6	Copper	T-6010	mg/kg	6		F	SOIL
TA3/5-18-A3-6	021513-01	24-JAN-95	6	Lead	T-6010	mg/kg	3.7	J	F	SOIL
TA3/5-18-A3-6	021513-01	24-JAN-95	6	Zinc	T-6010	mg/kg	26.3		F	SOIL
TA3/5-18-A4-2	021514-01	24-JAN-95	2	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A4-2	021514-01	24-JAN-95	2	Chromium	T-6010	mg/kg	7.5		F	SOIL
TA3/5-18-A4-2	021514-01	24-JAN-95	2	Copper	T-6010	mg/kg	4.8		F	SOIL
TA3/5-18-A4-2	021514-01	24-JAN-95	2	Lead	T-6010	mg/kg	3.3	J	F	SOIL
TA3/5-18-A4-2	021514-01	24-JAN-95	2	Zinc	T-6010	mg/kg	20.7		F	SOIL
TA3/5-18-A4-6	021516-01	24-JAN-95	6	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A4-6	021516-01	24-JAN-95	6	Chromium	T-6010	mg/kg	6.4		F	SOIL
TA3/5-18-A4-6	021516-01	24-JAN-95	6	Copper	T-6010	mg/kg	4.7		F	SOIL
TA3/5-18-A4-6	021516-01	24-JAN-95	6	Lead	T-6010	mg/kg	3.3	J	F	SOIL
TA3/5-18-A4-6	021516-01	24-JAN-95	6	Zinc	T-6010	mg/kg	18.7		F	SOIL
TA3/5-18-A4-6D	021517-01	24-JAN-95	6	Cadmium	T-6010	mg/kg	<.5	U	F	SOIL
TA3/5-18-A4-6D	021517-01	24-JAN-95	6	Chromium	T-6010	mg/kg	8.3		F	SOIL
TA3/5-18-A4-6D	021517-01	24-JAN-95	6	Copper	T-6010	mg/kg	7.9		F	SOIL
TA3/5-18-A4-6D	021517-01	24-JAN-95	6	Lead	T-6010	mg/kg	5.5		F	SOIL
TA3/5-18-A4-6D	021517-01	24-JAN-95	6	Zinc	T-6010	mg/kg	23.8		F	SOIL
TA3/5-18-A2-FBA	021510-02	24-JAN-95		Cadmium	T-6010	mg/L	<.005	U	FB	AQUEOUS
TA3/5-18-A2-FBA	021510-02	24-JAN-95		Chromium	T-6010	mg/L	<.01	U	FB	AQUEOUS
TA3/5-18-A2-FBA	021510-02	24-JAN-95		Copper	T-6010	mg/L	.0067	J	FB	AQUEOUS
TA3/5-18-A2-FBA	021510-02	24-JAN-95		Lead	T-6010	mg/L	<.05	U	FB	AQUEOUS
TA3/5-18-A2-FBA	021510-02	24-JAN-95		Zinc	T-6010	mg/L	.011	J	FB	AQUEOUS
TA3/5-18-A2-RBA	021509-02	24-JAN-95		Cadmium	T-6010	mg/L	<.005	U	EB	AQUEOUS
TA3/5-18-A2-RBA	021509-02	24-JAN-95		Chromium	T-6010	mg/L	<.01	U	EB	AQUEOUS
TA3/5-18-A2-RBA	021509-02	24-JAN-95		Copper	T-6010	mg/L	.0061	J	EB	AQUEOUS
TA3/5-18-A2-RBA	021509-02	24-JAN-95		Lead	T-6010	mg/L	<.05	U	EB	AQUEOUS
TA3/5-18-A2-RBA	021509-02	24-JAN-95		Zinc	T-6010	mg/L	.0062	J	EB	AQUEOUS

ER Site 18 RFI Analytical Results for VCM Confirmatory Soil Samples; Total Petroleum Hydrocarbons

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analytical Method	Units	Amount Detected	QC Flag	Material Description
TA3/5-18-A1-2	021503-01	F	24-JAN-95	2	3550/418.1	mg/kg	<20	U	SOIL
TA3/5-18-A1-6	021505-01	F	24-JAN-95	6	3550/418.1	mg/kg	39.2		SOIL
TA3/5-18-A4-2	021514-01	F	24-JAN-95	2	3550/418.1	mg/kg	697		SOIL
TA3/5-18-A4-6	021516-01	F	24-JAN-95	6	3550/418.1	mg/kg	<20	U	SOIL
TA3/5-18-A4-6D	021517-01	F	24-JAN-95	6	3550/418.1	mg/kg	69.1		SOIL
TA3/5-18-A2-FBA	021510-01	FB	24-JAN-95		418.1	mg/L	<1	U	AQUEOUS
TA3/5-18-A2-RBA	021509-01	EB	24-JAN-95		418.1	mg/L	<1	U	AQUEOUS

Rocky Mountain
Analytical Laboratory

Enseco
A CORNING Company

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 035160

MAY 27, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco Incorporated
4955 Yarrow Street

I. OVERVIEW

On April 29, 1994, Enseco-Rocky Mountain Analytical Laboratory received twelve soil samples and eight aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The Method 8330 duplicate control sample for QC lot 03 MAY 94-N1A has the average percent accuracy for 4-amino-2,6-dinitrotoluene exceeding control limits. Because all samples associated with this QC lot did not have detectable concentrations of any target compounds, the data were not affected and are reported.

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples

were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Rocky Mountain Analytical Laboratory (RMAl) samples 035160-0001-SA, -0002-SA, -0003-SA and -0004-SA were analyzed at a dilution for PCBs due to the concentration of aroclor 1254 present in the samples. As a result of the dilution required, the sample surrogates and matrix spike/matrix spike duplicate were diluted to less than detectable concentrations.

Metals Data Review

For matrix spike analyses, the project specific quality control results contain the analytical results from both analyses along with the spike level and percent recovery. The percent recovery calculation is not performed if the spike level is less than or equal to 25 percent of the value of the sample. The percent recovery and relative percent difference (RPD) for RMAL samples 035160-0001-MS and -0001-SD are reported as not calculated (NC) for aluminum, calcium and iron due to the concentration of these metals in the samples.

The percent recoveries for antimony for RMAL samples 035160-0001-MS and -0001-SD were below the Enseco quality advisory limits. Historical data has shown antimony to be poorly recovered in soil samples due to the rigorous preparation procedure. Because the average percent accuracy for antimony was within acceptable limits in the duplicate control sample (DCS) for this QC lot, no further action was required per the Enseco QAPP.

Wet Chemistry Data Review

RMAL sample 035160-0012-SA was analyzed at a dilution for total petroleum hydrocarbon analysis due to the concentration of the target analyte present in the sample. The reporting limits have been adjusted accordingly.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Enseco

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
035160-0001-SA	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0001-MS	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0001-SD	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0002-SA	SNL/NM015315-1	SOIL	27 APR 94	10:30	29 APR 94
035160-0003-SA	SNL/NM015314-1	SOIL	27 APR 94	10:45	29 APR 94
035160-0004-SA	SNL/NM015313-1	SOIL	27 APR 94	11:00	29 APR 94
035160-0005-SA	SNL/NM015312-1	SOIL	27 APR 94	11:15	29 APR 94
035160-0006-SA	SNL/NM015311-1	SOIL	27 APR 94	11:20	29 APR 94
035160-0007-SA	SNL/NM015310-1	SOIL	27 APR 94	11:40	29 APR 94
035160-0008-SA	SNL/NM015309-1	SOIL	27 APR 94	11:55	29 APR 94
035160-0009-SA	SNL/NM015308-1	SOIL	27 APR 94	13:25	29 APR 94
035160-0010-SA	SNL/NM015307-1	SOIL	27 APR 94	13:40	29 APR 94
035160-0011-SA	SNL/NM015306-1	SOIL	27 APR 94	14:10	29 APR 94
035160-0012-SA	SNL/NM015305-1	SOIL	27 APR 94	14:40	29 APR 94
035160-0013-SA	SNL/NM015304-1	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0014-SA	SNL/NM015304-2	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0015-SA	SNL/NM015304-3	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0016-SA	SNL/NM015304-4	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0017-SA	SNL/NM015303-1	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0018-SA	SNL/NM015303-2	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0019-SA	SNL/NM015303-3	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0020-SA	SNL/NM015303-4	AQUEOUS	27 APR 94	15:30	29 APR 94

Enseco

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 035160	Group Code	Analysis Description	Custom Test?
0001 - 0004	A	PCBs	N
		Prep - PCBs by GC	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
		ICP/MS Metals (Total)	Y
		ICP/MS prep	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0005 - 0012	B	Total Petroleum Hydrocarbons (TPH), IR	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		ICP/MS Metals (Total)	Y
		ICP/MS prep	N
0013 , 0017	C	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0014 , 0018	D	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0015 , 0019	E	PCBs	N
		Prep - PCB by GC	N
0016 , 0020	F	TAL Metals (Total) done by ICP	N
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco
A Corning Company

RECEIVED
MAY 31 1994
SNL/SMO

May 27, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for twelve soil samples and eight aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on April 29, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #035160

DATA REVIEWED
By: MS Garcia Date: 6-16-94
Checked: _____
Approved: _____

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

1.5

SNL/NM Environmental Programs
Sample Collection and Analytical Data Routing Form
instructions on backside of form

Project Name: TA III Site 18

Project/Case Number: 3617.300

SNL/NM Task Leader: Slavin Department Number: 7582 Phone Number:

Sampling Task Leader:

Samples Collected by: Capitan / Slavin Date: 4/27/94

Date Received by SMO:	Signature:	ARCOC Number	Laboratory and SDG Number	Number of Samples
5/31/94	[signature]	508745	Enseco 35160	

Date Preliminary Notification: Signature:

DUE DATE
For Review: 6/20/94 Copy To: W. Booher
(Determined by Task Leader)

Date Assigned to Review/Validate: 6/15/94 Signature: Pamela Puissant
To: M.B. Garcia

Date Review Completed/Returned to Task Leader: 6/20/94 Signature: [signature]
copy to Booher
orig. it to P. Puissant

DUE DATE
For Transmittal:
(Three weeks from Date Received by SMO or as determined by Task Leader)

Date of Final Transmittal: Signature:

Comments: Keep original and give it back to me (Pam).
(1) Temp blank was not noted as per request on COC
(2) Duplicate samples 316, 315, 314, 313 have date prepared as N/A - (3) Pg 53 is missing

301465.106.01 tpA1-2 January 28, 1994

* will check with lab Rid corrected sheet.

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 6-16-94
CASE NO 3617.300
PROJECT NAME IA III/IV - SITE 18
LABORATORY ENSECO
CHECKED BY MB GARCIA
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG											COCs AND RFAs				LAB REPORT												DATA QUALITY							
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SNL/NM 015306-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
↓ 305-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(2) Y	Y	Y	Y	NA	Y	NA	Y	Y	A
015 303-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
-2	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(6) Y	NA	Y	NA	Y	Y	A
-3	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
↓ -4	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
QUALITY CONTROL SAMPLES																																			
SNL/NM 015304-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
-2	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(6) Y	NA	Y	NA	Y	Y	A
-3	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
↓ -4	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A

ADDITIONAL COMMENTS: (2) Sample was diluted due to concentration of target analyte present in sample. Accuracy for SNL/NM 015303-2 & 015304-2 4-Amino-2,6-Dinitrotoluene were outside control limits of 65-160% at 215%.

VALIDATION RANKING U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 6-16-94
CASE NO 3617.300
PROJECT NAME TA III/E - SITE 18
LABORATORY ENSECO
CHECKED BY MB GARCIA
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG													COCs AND RFAs					LAB REPORT										DATA QUALITY					
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SW4/NM 015316-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(3) Y	Y	(5) Y	Y	Y	C
315-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	N	Y	Y	C
314-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	N	Y	Y	C
313-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	N	Y	Y	C
312-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
311-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
310-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
309-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
308-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
307-1	Y	NA	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
QUALITY CONTROL SAMPLES																																				

ADDITIONAL COMMENTS: (1) ~~Was~~ samples were diluted due to the level of Aroclor 1254 present in sample. (2) Recovery + RPD for MS/MSD 015316-1 were reported "not calculated" NC for Al Ca + Fe due to the concentration metals present (spike was ≤ 25% of value of sample. Antimony was below the lab control limit for percent recoveries. (4) Total Uranium was requested - re analyzed on all samples after samples ~~and~~ at lab. (5) % Recovery was "NID" not detected for antimony + recoveries

VALIDATION RANKING U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00413

AR/COC No.: AR/COC- 508745

PAGE 3 OF 3

GENERAL INFORMATION			SAMPLING INFORMATION			
DATE: 4-27-94	WEATHER: RAINY, COLD, WINDY		ON-SITE CONTACT: NELSON CAPITAN	ORG. 7584	PHONE 290-8896	
SAMPLING PROCEDURE REFERENCE: SURFACE SOIL W/SPADE - RFI SAP			AREA: II	LOCATION: SITE 18 - CONCRETE PAD		
PURPOSE OF SAMPLING: PHASE I RFI - SITE 18						

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH 418.1	PCBs 8080	EXPLOSIVES EES 8330	TAL METALS 6010/7000				
SNL/NM 015303-1	1530	18-55 RBA	RINSATE BLANK - LIQUID	X	Y	X							
015303-2	↓	↓	↓	↓	↓			X					
015303-3							X						
015303-4									X				

PROJECT	PROJECT NAME	CASE NUMBER	PROJECT CONTACT	ORG.	PHONE
	TA-II/I - SITE 18	3617 300	PAULA SLAVIN	7582	848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) LOGBOOK 0081

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	NELSON CAPITAN	[signature]	NC	SNL 7584
2.	PAULA SLAVIN	[signature]	PJS	GRAM/SNL 7582
3.				

SAMPLE TRACKING			
SAMPLE DISTRIBUTION: ENSECO RMAL	TRANSPORTED BY: A44135		SPECIAL HANDLING:
DATE SHIPPED (MM-DD-YY): 4/28/94	DATA ENTERED (MM-DD-YY): 5/4/94		BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

SAMPLE COLLECTION L(COMPLETION INSTRUCTIONS

NOTE: This log is to be used for the collection of sample(s) from a single site and the same matrix.

AR/COC NO./PAGE NUMBER

AR/COC NO.: Enter Analytical Request/Chain of Custody Form reference number.
PAGE_OF_: Enter the page number of this sheet and the total number of pages.

GENERAL INFORMATION

DATE: Enter the date of sample collection in the form mm/dd/yy (e.g., 01/13/91).
WEATHER: Include approximate cloud cover, precipitation, winds and approximate temperature.
SAMPLING PROCEDURE REFERENCE: Reference sampling of field operating procedure used.
PURPOSE OF SAMPLING: Enter the purpose of sampling activity.

SAMPLING INFORMATION

ON-SITE CONTACT: Enter the name of the line organization staff responsible for the material sampled.
ORG.: Enter the Sandia organization number of the contact person.
PHONE: Enter the phone number of the contact person.
AREA: Enter the Sandia Technical Area from which the sample was collected.
LOCATION: Enter location of Sampling Site, Reference Log Book or SCL continuation form of map or drawing of sampling site.

SAMPLE DESCRIPTION

GENERAL: Check the most appropriate box in both sections.

ANALYSES:

Enter all the analyses to be conducted on the samples. For example, if one sample will be analyzed for metals and another for oil and grease, list both analyses.

SAMPLE DESCRIPTON SECTION

SAMPLE NUMBER-FRACTION: Enter the Sandia sample identification number and fraction number of container.
TIME: Enter the time of sample collection.
LOCATION: Describe the exact location at which the sample was collected at the general site (e.g., drum number or "NE corner").
SAMPLE TYPE: Enter "C" if sample type is composite, Enter "G" if sample type is a grab sample.
QC SAMPLE: Enter Y (yes) if the sample is a duplicate or blank; otherwise enter N (no).
ANALYSES: Check all the appropriate column(s).
COMMENTS: Incude sufficient information to reconstruct entire sampling event. If more room is needed use SCL continuation form.

PROJECT

PROJECT NAME: Enter the Sandia project name.
CASE NUMBER: Enter the Sandia case number.
PROJECT CONTACT: Enter the name of the person who should receive the laboratory report.
ORG.: Enter the organization number of the person receiving the laboratory report.
PHONE: Enter the phone number of the person receiving the laboratory report.

SAMPLE TEAM MEMBERS

NAME: Print the name(s) of the sampling team member(s).
SIGNATURE: Enter the signature(s) of the sampling team member(s).
INIT: Enter the initials of the sampling team member(s).
COMPANY/ORGANIZATION: Enter the sampling team member(s) company name or Sandia Organization number.

Sandia National Laboratories

F 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00415

AR/COC No.: AR/COC- 508745

PAGE 2 OF 3

GENERAL INFORMATION

DATE: 4.27.94 | WEATHER: RAINY, COLD, WINDY

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL W/ SPADE — RFI WORK PLAN

PURPOSE OF SAMPLING: TA-III/V RFI WORK PLAN PHASE I

SAMPLING INFORMATION

ON-SITE CONTACT: NELSON CAPITAN | ORG.: 7584 | PHONE: 250-8896

AREA: III | LOCATION: SITE 18 CONCRETE PAD

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH 418.1	PCBs 8080	EXPL. RED 8330	TAL METALS 6010/7470				
SNL/NM 015308-1	1325	18-SS-26	1X16oz GLASS	G	N	X		X	X				
015307-1	1340	18-SS-27	↓	↓		X		X	X				
015306-1	1410	240E219	↓	↓		X		X	X				
015305-1	1440	18-SS-39	↓	↓		X		X	X				
015304-1	1510	18-SS-FBA	FIELD BLANK — LIQUID	↓	Y	X							
015304-2	↓	↓	↓	↓	↓			X					
015304-3	↓	↓	↓	↓	↓		X						
015304-4	↓	↓	↓	↓	↓				X				

PROJECT

PROJECT NAME: TA-III/V - SITE 18 | CASE NUMBER: 36017.300 | PROJECT CONTACT: PAULA SLAVIN | ORG.: 7582 | PHONE: 848-0334

*ADDITIONAL INFORMATION: LOG BOOK 0081

(Log Book Ref. #)

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. NELSON CAPITAN	[signature]	NC	SNL 7584
2. PAULA SLAVIN	[signature]	PS	GRAM/SNL 7582
3.			

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO & MAC | TRANSPORTED BY: A44135 | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 4/29/94 | DATA ENTERED (MM-DD-YY): 5/4/94 | BY: [signature]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator ☐ TO BE COMPLETED BY SMO

SAMPLE COLLECTION LO COMPLETION INSTRUCTIONS

NOTE: This log is to be used for the collection of sample(s) from a single site and the same matrix.

AR/COC NO./PAGE NUMBER

AR/COC NO.: Enter Analytical Request/Chain of Custody Form reference number.
PAGE_OF_: Enter the page number of this sheet and the total number of pages.

GENERAL INFORMATION

DATE: Enter the date of sample collection in the form mm/dd/yy (e.g., 01/13/91).
WEATHER: Include approximate cloud cover, precipitation, winds and approximate temperature.
SAMPLING PROCEDURE REFERENCE: Reference sampling of field operating procedure used.
PURPOSE OF SAMPLING: Enter the purpose of sampling activity.

SAMPLING INFORMATION

ON-SITE CONTACT: Enter the name of the line organization staff responsible for the material sampled.
ORG.: Enter the Sandia organization number of the contact person.
PHONE: Enter the phone number of the contact person.
AREA: Enter the Sandia Technical Area from which the sample was collected.
LOCATION: Enter location of Sampling Site, Reference Log Book or SCL continuation form of map or drawing of sampling site.

SAMPLE DESCRIPTION

GENERAL: Check the most appropriate box in both sections.

ANALYSES:

Enter all the analyses to be conducted on the samples. For example, if one sample will be analyzed for metals and another for oil and grease, list both analyses.

SAMPLE DESCRIPTON SECTION

SAMPLE NUMBER-FRACTION: Enter the Sandia sample identification number and fraction number of container.
TIME: Enter the time of sample collection.
LOCATION: Describe the exact location at which the sample was collected at the general site (e.g., drum number or "NE corner").
SAMPLE TYPE: Enter "C" if sample type is composite, Enter "G" if sample type is a grab sample.
QC SAMPLE: Enter Y (yes) if the sample is a duplicate or blank; otherwise enter N (no).
ANALYSES: Check all the appropriate column(s).
COMMENTS: Incude sufficient information to reconstruct entire sampling event. If more room is needed use SCL continuation form.

PROJECT

PROJECT NAME: Enter the Sandia project name.
CASE NUMBER: Enter the Sandia case number.
PROJECT CONTACT: Enter the name of the person who should receive the laboratory report.
ORG.: Enter the organization number of the person receiving the laboratory report.
PHONE: Enter the phone number of the person receiving the laboratory report.

SAMPLE TEAM MEMBERS

NAME: Print the name(s) of the sampling team member(s).
SIGNATURE: Enter the signature(s) of the sampling team member(s).
INIT: Enter the initials of the sampling team member(s).
COMPANY/ORGANIZATION: Enter the sampling team member(s) company name or Sandia Organization number.

Sandia National Laboratories

F 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00414

AR/COC No.: AR/COC 508745

PAGE 1 OF 3

GENERAL INFORMATION

DATE: 4.27.94 | WEATHER: RAINY, COLD, WINDY

SAMPLING PROCEDURE REFERENCE: RFI SAP - SURF. SOIL w/SPADE

PURPOSE OF SAMPLING: TA III-V RFI WORK PLAN

SAMPLING INFORMATION

ON-SITE CONTACT: NELSON CAPITAN | ORG. 7584 | PHONE 284-8856

AREA: III | LOCATION: SITE 18 - CONCRETE PAD

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH 418.1	PCBs 8080	EXPLOSIVE RES. 8330	TAL METALS (ICP/7420)				
SNL/NM 015316 - 1	1005	18-55-02	1X16oz GLASS	X	N	X	X	X	X				
015315 - 1	1030	18-55-06				X	X	X	X				
015314 - 1	1045	18-55-03				X	X	X	X				
015313 - 1	1100	18-55-07				X	X	X	X				
015312 - 1	1115	18-55-14				X		X	X				
015311 - 1	1120	18-55-14-D	DUPLICATE OF 18-55-14		Y	X		X	X				
015310 - 1	1140	18-55-15			N	X		X	X				
015309 - 1	1155	18-55-16			N	X		X	X				

PROJECT

PROJECT NAME: TA-III/V - SITE 18 | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG. 7582 | PHONE 848-0334

*ADDITIONAL INFORMATION: LOGBOOK No. 0081

Log Book Ref. #)

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	NELSON CAPITAN	[signature]	NC	SNL 7584
2.	PAULA SLAVIN	[signature]	PS	GRAM/SNL 7582
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO RMAL | TRANSPORTED BY: A44135 | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 4/29/94 | DATA ENTERED (MM-DD-YY): 5/4/94 | BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office | PINK- Originator | TO BE COMPLETED BY SMO

SAMPLE COLLECTION LC COMPLETION INSTRUCTIONS

NOTE: This log is to be used for the collection of sample(s) from a single site and the same matrix.

AR/COC NO./PAGE NUMBER

AR/COC NO.: Enter Analytical Request/Chain of Custody Form reference number.
PAGE_OF_: Enter the page number of this sheet and the total number of pages.

GENERAL INFORMATION

DATE: Enter the date of sample collection in the form mm/dd/yy (e.g., 01/13/91).
WEATHER: Include approximate cloud cover, precipitation, winds and approximate temperature.
SAMPLING PROCEDURE REFERENCE: Reference sampling of field operating procedure used.
PURPOSE OF SAMPLING: Enter the purpose of sampling activity.

SAMPLING INFORMATION

ON-SITE CONTACT: Enter the name of the line organization staff responsible for the material sampled.
ORG.: Enter the Sandia organization number of the contact person.
PHONE: Enter the phone number of the contact person.
AREA: Enter the Sandia Technical Area from which the sample was collected.
LOCATION: Enter location of Sampling Site, Reference Log Book or SCL continuation form of map or drawing of sampling site.

SAMPLE DESCRIPTION

GENERAL: Check the most appropriate box in both sections.

ANALYSES:

Enter all the analyses to be conducted on the samples. For example, if one sample will be analyzed for metals and another for oil and grease, list both analyses.

SAMPLE DESCRIPTON SECTION

SAMPLE NUMBER-FRACTION: Enter the Sandia sample identification number and fraction number of container.
TIME: Enter the time of sample collection.
LOCATION: Describe the exact location at which the sample was collected at the general site (e.g., drum number or "NE corner").
SAMPLE TYPE: Enter "C" if sample type is composite, Enter "G" if sample type is a grab sample.
QC SAMPLE: Enter Y (yes) if the sample is a duplicate or blank; otherwise enter N (no).
ANALYSES: Check all the appropriate column(s).
COMMENTS: Incude sufficient information to reconstruct entire sampling event. If more room is needed use SCL continuation form.

PROJECT

PROJECT NAME: Enter the Sandia project name.
CASE NUMBER: Enter the Sandia case number.
PROJECT CONTACT: Enter the name of the person who should receive the laboratory report.
ORG.: Enter the organization number of the person receiving the laboratory report.
PHONE: Enter the phone number of the person receiving the laboratory report.

SAMPLE TEAM MEMBERS

NAME: Print the name(s) of the sampling team member(s).
SIGNATURE: Enter the signature(s) of the sampling team member(s).
INIT: Enter the initials of the sampling team member(s).
COMPANY/ORGANIZATION: Enter the sampling team member(s) company name or Sandia Organization number.

Rocky Mountain
Analytical Laboratory

Enseco
A CORNING Company

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 035160

MAY 27, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On April 29, 1994, Enseco-Rocky Mountain Analytical Laboratory received twelve soil samples and eight aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The Method 8330 duplicate control sample for QC lot 03 MAY 94-N1A has the average percent accuracy for 4-amino-2,6-dinitrotoluene exceeding control limits. Because all samples associated with this QC lot did not have detectable concentrations of any target compounds, the data were not affected and are reported.

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples

were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Rocky Mountain Analytical Laboratory (RMAl) samples 035160-0001-SA, -0002-SA, -0003-SA and -0004-SA were analyzed at a dilution for PCBs due to the concentration of aroclor 1254 present in the samples. As a result of the dilution required, the sample surrogates and matrix spike/matrix spike duplicate were diluted to less than detectable concentrations.

Metals Data Review

For matrix spike analyses, the project specific quality control results contain the analytical results from both analyses along with the spike level and percent recovery. The percent recovery calculation is not performed if the spike level is less than or equal to 25 percent of the value of the sample. The percent recovery and relative percent difference (RPD) for RMAL samples 035160-0001-MS and -0001-SD are reported as not calculated (NC) for aluminum, calcium and iron due to the concentration of these metals in the samples.

The percent recoveries for antimony for RMAL samples 035160-0001-MS and -0001-SD were below the Enseco quality advisory limits. Historical data has shown antimony to be poorly recovered in soil samples due to the rigorous preparation procedure. Because the average percent accuracy for antimony was within acceptable limits in the duplicate control sample (DCS) for this QC lot, no further action was required per the Enseco QAPP.

Wet Chemistry Data Review

RMAL sample 035160-0012-SA was analyzed at a dilution for total petroleum hydrocarbon analysis due to the concentration of the target analyte present in the sample. The reporting limits have been adjusted accordingly.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Enseco

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
035160-0001-SA	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0001-MS	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0001-SD	SNL/NM015316-1	SOIL	27 APR 94	10:05	29 APR 94
035160-0002-SA	SNL/NM015315-1	SOIL	27 APR 94	10:30	29 APR 94
035160-0003-SA	SNL/NM015314-1	SOIL	27 APR 94	10:45	29 APR 94
035160-0004-SA	SNL/NM015313-1	SOIL	27 APR 94	11:00	29 APR 94
035160-0005-SA	SNL/NM015312-1	SOIL	27 APR 94	11:15	29 APR 94
035160-0006-SA	SNL/NM015311-1	SOIL	27 APR 94	11:20	29 APR 94
035160-0007-SA	SNL/NM015310-1	SOIL	27 APR 94	11:40	29 APR 94
035160-0008-SA	SNL/NM015309-1	SOIL	27 APR 94	11:55	29 APR 94
035160-0009-SA	SNL/NM015308-1	SOIL	27 APR 94	13:25	29 APR 94
035160-0010-SA	SNL/NM015307-1	SOIL	27 APR 94	13:40	29 APR 94
035160-0011-SA	SNL/NM015306-1	SOIL	27 APR 94	14:10	29 APR 94
035160-0012-SA	SNL/NM015305-1	SOIL	27 APR 94	14:40	29 APR 94
035160-0013-SA	SNL/NM015304-1	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0014-SA	SNL/NM015304-2	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0015-SA	SNL/NM015304-3	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0016-SA	SNL/NM015304-4	AQUEOUS	27 APR 94	15:10	29 APR 94
035160-0017-SA	SNL/NM015303-1	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0018-SA	SNL/NM015303-2	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0019-SA	SNL/NM015303-3	AQUEOUS	27 APR 94	15:30	29 APR 94
035160-0020-SA	SNL/NM015303-4	AQUEOUS	27 APR 94	15:30	29 APR 94

Enseco

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 035160	Group Code	Analysis Description	Custom Test?
0001 - 0004	A	PCBs	N
		Prep - PCBs by GC	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
		ICP/MS Metals (Total)	Y
		ICP/MS prep	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0005 - 0012	B	Total Petroleum Hydrocarbons (TPH), IR	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		ICP/MS Metals (Total)	Y
		ICP/MS prep	N
0013 , 0017	C	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0014 , 0018	D	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0015 , 0019	E	PCBs	N
		Prep - PCB by GC	N
0016 , 0020	F	TAL Metals (Total) done by ICP	N
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015315-1
Lab ID: 035160-0002-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015314-1
Lab ID: 035160-0003-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: NA Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015313-1
Lab ID: 035160-0004-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015312-1
Lab ID: 035160-0005-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015311-1
Lab ID: 035160-0006-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015310-1
Lab ID: 035160-0007-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015309-1
Lab ID: 035160-0008-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015308-1
Lab ID: 035160-0009-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015307-1
Lab ID: 035160-0010-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015306-1
Lab ID: 035160-0011-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015305-1
Lab ID: 035160-0012-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 04 MAY 94 Analyzed: 11 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015304-2
Lab ID: 035160-0014-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 03 MAY 94 Analyzed: 13 MAY 94

Parameter	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM015303-2
Lab ID: 035160-0018-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 03 MAY 94 Analyzed: 13 MAY 94

Parameter	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

ND = Not detected
NA = Not applicable

Reported By: Philip Tallarico Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 09 MAY 94 Analyzed: 17 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
Aroclor 1016	ND	ug/kg	13000
Aroclor 1221	ND	ug/kg	13000
Aroclor 1232	ND	ug/kg	13000
Aroclor 1242	ND	ug/kg	13000
Aroclor 1248	ND	ug/kg	13000
Aroclor 1254	36000	ug/kg	13000
Aroclor 1260	ND	ug/kg	13000

Surrogate	Recovery	
Decachlorobiphenyl	ND	%

ND = Not detected
NA = Not applicable

Reported By: Pei Li Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 09 MAY 94 Analyzed: 17 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
Aroclor 1016	ND	ug/kg	13000
Aroclor 1221	ND	ug/kg	13000
Aroclor 1232	ND	ug/kg	13000
Aroclor 1242	ND	ug/kg	13000
Aroclor 1248	ND	ug/kg	13000
Aroclor 1254	36000	ug/kg	13000
Aroclor 1260	ND	ug/kg	13000

Surrogate	Recovery	
Decachlorobiphenyl	ND	%

ND = Not detected
NA = Not applicable

Reported By: Pei Li Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015315-1
Lab ID: 035160-0002-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 09 MAY 94 Analyzed: 13 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
Aroclor 1016	ND	ug/kg	330
Aroclor 1221	ND	ug/kg	330
Aroclor 1232	ND	ug/kg	330
Aroclor 1242	ND	ug/kg	330
Aroclor 1248	ND	ug/kg	330
Aroclor 1254	780	ug/kg	330
Aroclor 1260	ND	ug/kg	330

Surrogate	Recovery	
Decachlorobiphenyl	ND	%

ND = Not detected
NA = Not applicable

Reported By: Pei Li Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015314-1
Lab ID: 035160-0003-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 09 MAY 94 Analyzed: 13 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
Aroclor 1016	ND	ug/kg	330
Aroclor 1221	ND	ug/kg	330
Aroclor 1232	ND	ug/kg	330
Aroclor 1242	ND	ug/kg	330
Aroclor 1248	ND	ug/kg	330
Aroclor 1254	710	ug/kg	330
Aroclor 1260	ND	ug/kg	330

Surrogate	Recovery	
Decachlorobiphenyl	ND	%

ND = Not detected
NA = Not applicable

Reported By: Pei Li Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015313-1
Lab ID: 035160-0004-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 09 MAY 94 Analyzed: 13 MAY 94

Parameter	Result	Wet wt. Units	Reporting Limit
Aroclor 1016	ND	ug/kg	660
Aroclor 1221	ND	ug/kg	660
Aroclor 1232	ND	ug/kg	660
Aroclor 1242	ND	ug/kg	660
Aroclor 1248	ND	ug/kg	660
Aroclor 1254	1600	ug/kg	660
Aroclor 1260	ND	ug/kg	660

Surrogate	Recovery	
Decachlorobiphenyl	ND	%

ND = Not detected
NA = Not applicable

Reported By: Pei Li Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015304-3
Lab ID: 035160-0015-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 03 MAY 94 Analyzed: 06 MAY 94

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

Surrogate	Recovery	
Decachlorobiphenyl	107	%

ND = Not detected
NA = Not applicable

Reported By: Don Vieaux Approved By: Audrey Verniero

Enseco

PCBs

Method 8080

Client Name: Sandia National Laboratory
Client ID: SNL/NM015303-3
Lab ID: 035160-0019-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: 03 MAY 94 Analyzed: 06 MAY 94

Parameter	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

Surrogate	Recovery	
Decachlorobiphenyl	121	%

ND = Not detected
NA = Not applicable

Reported By: Don Vieaux Approved By: Audrey Verniero

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	4580	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	ND	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	
Arsenic	3.1	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	123	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.37	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	0.79	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	46600	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	6.6	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.3	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	10.1	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	6690	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	16.5	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	3160	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	146	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	0.066	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	J
Nickel	7.1	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	868	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	61.9	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	0.47	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	J
Vanadium	11.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	34.3	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015315-1
Lab ID: 035160-0002-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Aluminum	4110	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Antimony	6.2	mg/kg	6.0	6010	16 MAY 94	20 MAY 94
Arsenic	2.3	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Barium	66.6	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Beryllium	0.37	mg/kg	0.20	6010	16 MAY 94	20 MAY 94
Cadmium	2.7	mg/kg	0.50	6010	16 MAY 94	20 MAY 94
Calcium	24900	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Chromium	12.0	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Cobalt	2.9	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Copper	29.5	mg/kg	2.0	6010	16 MAY 94	20 MAY 94
Iron	6740	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Lead	34.3	mg/kg	0.30	6010	11 MAY 94	17 MAY 94
Magnesium	2180	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Manganese	141	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Mercury	0.11	mg/kg	0.10	7471	12 MAY 94	13 MAY 94
Nickel	6.2	mg/kg	4.0	6010	16 MAY 94	20 MAY 94
Potassium	1130	mg/kg	500	6010	16 MAY 94	20 MAY 94
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Sodium	548	mg/kg	500	6010	16 MAY 94	20 MAY 94
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Vanadium	10.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Zinc	51.1	mg/kg	2.0	6010	16 MAY 94	20 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015314-1
Lab ID: 035160-0003-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	4030	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	5.7	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.6	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	72.3	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.37	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	0.89	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	22400	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	66.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.4	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	12.8	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	6740	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	22.7	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	2060	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	136	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	35.7	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1060	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	234	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	10.6	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	34.0	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015313-1
Lab ID: 035160-0004-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	3810	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	4.6	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.5	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	89.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.27	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	2.5	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	26600	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	17.3	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	2.9	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	95.7	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	7430	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	60.4	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	2080	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	138	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	9.5	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	848	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	ND	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	9.3	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	63.2	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015312-1
Lab ID: 035160-0005-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	5650	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	2.6	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.8	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	94.0	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.42	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	15.2	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	37800	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	5.4	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	7.6	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	6720	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	8.2	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	2160	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	120	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	5.7	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1150	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	0.38	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	J
Sodium	64.7	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	10.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	20.0	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015311-1
Lab ID: 035160-0006-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	5890	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	8.0	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	
Arsenic	2.8	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	97.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.42	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	9.5	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	34200	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	6.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.0	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	7.4	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	7420	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	7.8	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	2170	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	120	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	6.7	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1220	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	63.3	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	10.8	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	21.1	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015310-1
Lab ID: 035160-0007-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Aluminum	7320	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Antimony	ND	mg/kg	6.0	6010	16 MAY 94	20 MAY 94
Arsenic	3.1	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Barium	99.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Beryllium	0.58	mg/kg	0.20	6010	16 MAY 94	20 MAY 94
Cadmium	17.5	mg/kg	0.50	6010	16 MAY 94	20 MAY 94
Calcium	9900	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Chromium	7.4	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Cobalt	3.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Copper	7.3	mg/kg	2.0	6010	16 MAY 94	20 MAY 94
Iron	7820	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Lead	8.3	mg/kg	0.30	6010	11 MAY 94	17 MAY 94
Magnesium	1980	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Manganese	146	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94
Nickel	6.3	mg/kg	4.0	6010	16 MAY 94	20 MAY 94
Potassium	1500	mg/kg	500	6010	16 MAY 94	20 MAY 94
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Sodium	ND	mg/kg	500	6010	16 MAY 94	20 MAY 94
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Vanadium	12.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Zinc	21.4	mg/kg	2.0	6010	16 MAY 94	20 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015309-1
Lab ID: 035160-0008-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Aluminum	6570	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Antimony	ND	mg/kg	6.0	6010	16 MAY 94	20 MAY 94
Arsenic	2.9	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Barium	90.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Beryllium	0.58	mg/kg	0.20	6010	16 MAY 94	20 MAY 94
Cadmium	18.9	mg/kg	0.50	6010	16 MAY 94	20 MAY 94
Calcium	6130	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Chromium	6.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Cobalt	3.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Copper	9.3	mg/kg	2.0	6010	16 MAY 94	20 MAY 94
Iron	7700	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Lead	9.9	mg/kg	0.30	6010	11 MAY 94	17 MAY 94
Magnesium	1860	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Manganese	151	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94
Nickel	6.7	mg/kg	4.0	6010	16 MAY 94	20 MAY 94
Potassium	1420	mg/kg	500	6010	16 MAY 94	20 MAY 94
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Sodium	ND	mg/kg	500	6010	16 MAY 94	20 MAY 94
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Vanadium	12.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Zinc	24.1	mg/kg	2.0	6010	16 MAY 94	20 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015308-1
Lab ID: 035160-0009-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Aluminum	7950	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Antimony	ND	mg/kg	6.0	6010	16 MAY 94	20 MAY 94
Arsenic	3.2	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Barium	82.0	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Beryllium	0.74	mg/kg	0.20	6010	16 MAY 94	20 MAY 94
Cadmium	ND	mg/kg	0.50	6010	16 MAY 94	20 MAY 94
Calcium	2800	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Chromium	7.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Cobalt	4.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Copper	6.9	mg/kg	2.0	6010	16 MAY 94	20 MAY 94
Iron	8190	mg/kg	10.0	6010	16 MAY 94	20 MAY 94
Lead	6.9	mg/kg	0.30	6010	11 MAY 94	17 MAY 94
Magnesium	2080	mg/kg	20.0	6010	16 MAY 94	20 MAY 94
Manganese	121	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94
Nickel	7.4	mg/kg	4.0	6010	16 MAY 94	20 MAY 94
Potassium	1680	mg/kg	500	6010	16 MAY 94	20 MAY 94
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Sodium	ND	mg/kg	500	6010	16 MAY 94	20 MAY 94
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94
Vanadium	13.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94
Zinc	22.4	mg/kg	2.0	6010	16 MAY 94	20 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015307-1
Lab ID: 035160-0010-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	5980	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	3.8	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.4	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	64.9	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.42	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	ND	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	3200	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	6.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	7.4	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	7080	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	6.8	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	1650	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	135	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	6.2	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1290	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	228	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	11.9	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	24.4	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015306-1
Lab ID: 035160-0011-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	4740	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	4.8	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.9	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	74.5	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.42	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	ND	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	9950	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	6.2	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	8.7	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	6440	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	8.5	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	1530	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	135	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	6.0	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1280	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	90.0	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	11.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	70.0	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015305-1
Lab ID: 035160-0012-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	5540	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Antimony	4.7	mg/kg	6.0	6010	16 MAY 94	20 MAY 94	J
Arsenic	2.3	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Barium	106	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Beryllium	0.42	mg/kg	0.20	6010	16 MAY 94	20 MAY 94	
Cadmium	ND	mg/kg	0.50	6010	16 MAY 94	20 MAY 94	
Calcium	8290	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Chromium	6.6	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Cobalt	3.1	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Copper	9.3	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	
Iron	7180	mg/kg	10.0	6010	16 MAY 94	20 MAY 94	
Lead	10.6	mg/kg	0.30	6010	11 MAY 94	17 MAY 94	
Magnesium	1970	mg/kg	20.0	6010	16 MAY 94	20 MAY 94	
Manganese	176	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Mercury	ND	mg/kg	0.10	7471	12 MAY 94	13 MAY 94	
Nickel	6.6	mg/kg	4.0	6010	16 MAY 94	20 MAY 94	
Potassium	1920	mg/kg	500	6010	16 MAY 94	20 MAY 94	
Selenium	ND	mg/kg	0.50	6010	11 MAY 94	17 MAY 94	
Silver	ND	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Sodium	89.0	mg/kg	500	6010	16 MAY 94	20 MAY 94	J
Thallium	ND	mg/kg	1.0	6010	11 MAY 94	17 MAY 94	
Vanadium	12.7	mg/kg	1.0	6010	16 MAY 94	20 MAY 94	
Zinc	28.3	mg/kg	2.0	6010	16 MAY 94	20 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015304-4
Lab ID: 035160-0016-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	ND	mg/L	0.10	6010	03 MAY 94	05 MAY 94	
Antimony	ND	mg/L	0.060	6010	03 MAY 94	05 MAY 94	
Arsenic	ND	mg/L	0.010	6010	24 MAY 94	25 MAY 94	
Barium	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Beryllium	ND	mg/L	0.0020	6010	03 MAY 94	05 MAY 94	
Cadmium	ND	mg/L	0.0050	6010	03 MAY 94	05 MAY 94	
Calcium	ND	mg/L	0.20	6010	03 MAY 94	05 MAY 94	
Chromium	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Cobalt	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Copper	ND	mg/L	0.020	6010	03 MAY 94	05 MAY 94	
Iron	ND	mg/L	0.10	6010	03 MAY 94	05 MAY 94	
Lead	0.0042	mg/L	0.0030	6010	24 MAY 94	25 MAY 94	B
Magnesium	ND	mg/L	0.20	6010	03 MAY 94	05 MAY 94	
Manganese	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Mercury	ND	mg/L	0.00020	7470	03 MAY 94	05 MAY 94	
Nickel	ND	mg/L	0.040	6010	03 MAY 94	05 MAY 94	
Potassium	ND	mg/L	5.0	6010	03 MAY 94	05 MAY 94	
Selenium	ND	mg/L	0.0050	6010	24 MAY 94	25 MAY 94	
Silver	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Sodium	ND	mg/L	5.0	6010	03 MAY 94	05 MAY 94	
Thallium	ND	mg/L	0.010	6010	24 MAY 94	25 MAY 94	
Vanadium	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Zinc	0.012	mg/L	0.020	6010	03 MAY 94	05 MAY 94	J

Note B : Compound is also detected in the blank.

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Richard Persichitte Approved By: Richard Persichitte

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015303-4
Lab ID: 035160-0020-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Aluminum	0.060	mg/L	0.10	6010	03 MAY 94	05 MAY 94	J
Antimony	ND	mg/L	0.060	6010	03 MAY 94	05 MAY 94	
Arsenic	ND	mg/L	0.010	6010	24 MAY 94	25 MAY 94	
Barium	0.0045	mg/L	0.010	6010	03 MAY 94	05 MAY 94	J
Beryllium	ND	mg/L	0.0020	6010	03 MAY 94	05 MAY 94	
Cadmium	ND	mg/L	0.0050	6010	03 MAY 94	05 MAY 94	
Calcium	0.56	mg/L	0.20	6010	03 MAY 94	05 MAY 94	
Chromium	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Cobalt	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Copper	0.016	mg/L	0.020	6010	03 MAY 94	05 MAY 94	J
Iron	0.055	mg/L	0.10	6010	03 MAY 94	05 MAY 94	J
Lead	0.0042	mg/L	0.0030	6010	24 MAY 94	25 MAY 94	B
Magnesium	ND	mg/L	0.20	6010	03 MAY 94	05 MAY 94	
Manganese	ND	mg/L	0.010	6010	03 MAY 94	05 MAY 94	
Mercury	ND	mg/L	0.00020	7470	03 MAY 94	05 MAY 94	
Nickel	ND	mg/L	0.040	6010	03 MAY 94	05 MAY 94	
Potassium	0.42	mg/L	5.0	6010	03 MAY 94	05 MAY 94	
Selenium	ND	mg/L	0.0050	6010	24 MAY 94	25 MAY 94	
Silver	0.0061	mg/L	0.010	6010	03 MAY 94	05 MAY 94	J
Sodium	ND	mg/L	5.0	6010	03 MAY 94	05 MAY 94	
Thallium	0.0043	mg/L	0.010	6010	24 MAY 94	25 MAY 94	J
Vanadium	0.0026	mg/L	0.010	6010	03 MAY 94	05 MAY 94	J
Zinc	0.029	mg/L	0.020	6010	03 MAY 94	05 MAY 94	

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Richard Persichitte Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.86	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015315-1
Lab ID: 035160-0002-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.60	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015314-1
Lab ID: 035160-0003-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.43	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015313-1
Lab ID: 035160-0004-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.77	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015312-1
Lab ID: 035160-0005-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.67	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015311-1
Lab ID: 035160-0006-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.80	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015310-1
Lab ID: 035160-0007-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.55	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015309-1
Lab ID: 035160-0008-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.62	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015308-1
Lab ID: 035160-0009-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed-Date
Uranium	0.52	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015307-1
Lab ID: 035160-0010-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.43	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015306-1
Lab ID: 035160-0011-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.38	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

ICP/MS Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM015305-1
Lab ID: 035160-0012-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Uranium	0.36	mg/kg	0.0025	RMAL	18 MAY 94	25 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Scott Heideman Approved By: Richard Persichitte

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015316-1
Lab ID: 035160-0001-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	32.8	mg/kg	20.0	3550/418.1	NA	19 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015315-1
Lab ID: 035160-0002-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	19 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015314-1
Lab ID: 035160-0003-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	19 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015313-1
Lab ID: 035160-0004-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	29.2	mg/kg	20.0	3550/418.1	NA	19 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015312-1
Lab ID: 035160-0005-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	20.9	mg/kg	20.0	3550/418.1	NA	19 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015311-1
Lab ID: 035160-0006-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015310-1
Lab ID: 035160-0007-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015309-1
Lab ID: 035160-0008-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015308-1
Lab ID: 035160-0009-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	367	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015307-1
Lab ID: 035160-0010-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015306-1
Lab ID: 035160-0011-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015305-1
Lab ID: 035160-0012-SA
Matrix: SOIL Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	2250	mg/kg	100	3550/418.1	NA	24 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015304-1
Lab ID: 035160-0013-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	12 MAY 94	12 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

Enseco

General Inorganics

Client Name: Sandia National Laboratory
Client ID: SNL/NM015303-1
Lab ID: 035160-0017-SA
Matrix: AQUEOUS Sampled: 27 APR 94 Received: 29 APR 94
Authorized: 29 APR 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	12 MAY 94	12 MAY 94

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jamie Wickham

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

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QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035160-0001-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0001-MS	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0001-SD	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0002-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0003-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0004-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0005-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0006-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0007-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0008-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0009-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0010-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0011-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0012-SA	SOIL	8330-LL-S	04 MAY 94-N1A	04 MAY 94-N1A
035160-0014-SA	AQUEOUS	8330-LL-A	03 MAY 94-N1A	03 MAY 94-N1A
035160-0018-SA	AQUEOUS	8330-LL-A	03 MAY 94-N1A	03 MAY 94-N1A

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DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 04 MAY 94-N1A								
Concentration Units: ug/g								
HMX	5.00	5.32	5.14	5.23	105	82-153	3.4	10
RDX	5.00	5.19	5.01	5.10	102	62-176	3.5	17
1,3,5-Trinitrobenzene	5.00	5.37	5.27	5.32	106	60-149	1.9	19
1,3-Dinitrobenzene	5.00	5.24	5.06	5.15	103	73-145	3.5	10
Tetryl	5.00	1.44	2.02	1.73	35	1-115	34	50
Nitrobenzene	5.00	6.06	5.59	5.82	117	73-135	8.1	10
2,4,6-Trinitrotoluene	5.00	5.02	4.68	4.85	97	1-160	7.0	15
4-Amino-2,6-dinitrotoluene	5.00	6.26	5.42	5.84	117	84-181	14	22
2-Amino-4,6-dinitrotoluene	5.00	5.72	5.42	5.57	111	82-140	5.4	14
2,6-Dinitrotoluene	5.00	4.82	4.63	4.72	95	85-120	4.0	10
2,4-Dinitrotoluene	5.00	5.32	5.11	5.22	104	78-133	4.0	10
2-Nitrotoluene	5.00	5.30	5.20	5.25	105	81-126	1.9	10
4-Nitrotoluene	5.00	5.44	5.28	5.36	107	79-125	3.0	10
3-Nitrotoluene	5.00	3.94	3.83	3.88	78	78-131	2.8	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 03 MAY 94-N1A								
Concentration Units: ug/L								
HMX	2.50	2.41	2.43	2.42	97	58-131	0.8	27
RDX	2.50	2.02	1.99	2.00	80	67-149	1.5	26
1,3,5-Trinitrobenzene	2.50	2.79	2.74	2.76	111	44-140	1.8	23
1,3-Dinitrobenzene	2.50	1.61	1.68	1.64	66	41-110	4.3	30
Tetryl	12.5	4.04	4.15	4.10	33	1-104	2.7	38
Nitrobenzene	2.50	1.53	1.63	1.58	63	24- 80	6.3	50
2,4,6-Trinitrotoluene	12.5	5.32	5.47	5.40	43	1-113	2.8	22
4-Amino-2,6-dinitrotoluene	2.50	5.39	5.34	5.36	215	65-160	0.9	38
2-Amino-4,6-dinitrotoluene	2.50	2.24	2.27	2.26	90	50-121	1.3	35
2,6-Dinitrotoluene	2.50	1.39	1.43	1.41	56	39- 94	2.8	35
2,4-Dinitrotoluene	2.50	1.40	1.46	1.43	57	46-102	4.2	27
2-Nitrotoluene	2.50	1.13	1.24	1.18	47	23- 84	9.3	50
4-Nitrotoluene	2.50	1.02	1.32	1.17	47	26- 86	26	50
3-Nitrotoluene	2.50	0.812	0.946	0.879	35	23- 86	15	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 04 MAY 94-N1A QC Run: 04 MAY 94-N1A			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

Test: 8330-COE-LL-S
atrix: SOIL
QC Lot: 04 MAY 94-N1A QC Run: 04 MAY 94-N1A

HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

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METHOD BLANK REPORT
Organics by Chromatography (cont.)

Test: 8330-COE-LL-A
Matrix: AQUEOUS
QC Lot: 03 MAY 94-N1A QC Run: 03 MAY 94-N1A

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Organics by Chromatography

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	035160-0001-SD	04 MAY 94-N1A
MATRIX SPIKE	8330-COE-LL-S	035160-0001-MS	04 MAY 94-N1A

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Organics by Chromatography

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: 8330-COE-LL-S								
Matrix SOIL								
Sample: 035160-0001								
Units: ug/g								
HMX	ND	4.9	4.8	5.0	4.9	99	98	0
RDX	ND	5.0	4.6	5.0	4.9	101	95	6
1,3,5-Trinitrobenzene	ND	5.3	5.1	5.0	4.9	105	104	2
1,3-Dinitrobenzene	ND	5.1	4.9	5.0	4.9	102	101	1
Tetryl	ND	3.0	2.8	5.0	4.9	60	58	3
Nitrobenzene	ND	5.4	5.5	5.0	4.9	109	113	3
2,4,6-Trinitrotoluene	ND	4.9	4.9	5.0	4.9	98	101	3
4-Amino-2,6-dinitrotoluene	ND	5.2	5.1	5.0	4.9	103	105	1
2-Amino-4,6-dinitrotoluene	ND	5.4	5.3	5.0	4.9	109	109	0
2,6-Dinitrotoluene	ND	4.6	4.6	5.0	4.9	93	94	1
2,4-Dinitrotoluene	ND	5.2	5.1	5.0	4.9	105	104	1
2-Nitrotoluene	ND	5.2	5.1	5.0	4.9	105	105	1
4-Nitrotoluene	ND	5.4	5.1	5.0	4.9	108	105	3
3-Nitrotoluene	ND	3.9	3.7	5.0	4.9	78	77	2

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035160-0001-SA	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0001-MS	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0001-SD	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0002-SA	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0003-SA	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0004-SA	SOIL	PCB-S	09 MAY 94-N1	09 MAY 94-N1
035160-0015-SA	AQUEOUS	PCB-A	03 MAY 94-N1	03 MAY 94-N1
035160-0019-SA	AQUEOUS	PCB-A	03 MAY 94-N1	03 MAY 94-N1

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DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: PCB-S Matrix: SOIL QC Lot: 09 MAY 94-N1 Concentration Units: ug/kg								
Aroclor 1254	33.3	34.2	33.4	33.8	102	49-130	2.4	20
Category: PCB-A Matrix: AQUEOUS QC Lot: 03 MAY 94-N1 Concentration Units: ug/L								
Aroclor 1254	1.00	0.925	0.957	0.941	94	46-130	3.4	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-SAN-S			
Matrix: SOIL			
QC Lot: 09 MAY 94-N1 QC Run: 09 MAY 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33
Test: 8080-PCB-SAN-A			
Matrix: AQUEOUS			
QC Lot: 03 MAY 94-N1 QC Run: 03 MAY 94-N1			
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Semivolatile Organics by GC

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8080-PCB-SAN-S	035160-0001-SD	09 MAY 94-N1
MATRIX SPIKE	8080-PCB-SAN-S	035160-0001-MS	09 MAY 94-N1

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Semivolatile Organics by GC

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: 8080-PCB-SAN-S								
Matrix SOIL								
Sample: 035160-0001								
Units: ug/kg								
Aroclor 1254	36000	ND	ND	33	33	NC	NC	NC

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035160-0001-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0001-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0001-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0001-MS	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0001-MS	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0001-MS	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0001-SD	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0001-SD	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0001-SD	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0002-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0002-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0002-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0003-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0003-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0003-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0004-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0004-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0004-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0005-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0005-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0005-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0006-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0006-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0006-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0007-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0007-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0007-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0008-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0008-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0008-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0009-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0009-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0009-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0010-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0010-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0010-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0011-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0011-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0011-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0012-SA	SOIL	ICP-S	16 MAY 94-9B	16 MAY 94-9B
035160-0012-SA	SOIL	ICP-TRA-S	11 MAY 94-9B	11 MAY 94-9B
035160-0012-SA	SOIL	HG-CVAA-S	12 MAY 94-9C	12 MAY 94-9C
035160-0016-SA	AQUEOUS	ICP-AT	03 MAY 94-9B	03 MAY 94-9B
035160-0016-SA	AQUEOUS	ICP-TRA-AT	24 MAY 94-9A	24 MAY 94-9A
035160-0016-SA	AQUEOUS	HG-CVAA-AT	03 MAY 94-9M	03 MAY 94-9M
035160-0020-SA	AQUEOUS	ICP-AT	03 MAY 94-9B	03 MAY 94-9B
035160-0020-SA	AQUEOUS	ICP-TRA-AT	24 MAY 94-9A	24 MAY 94-9A

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QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035160-0020-SA	AQUEOUS	HG-CVAA-AT	03 MAY 94-9M	03 MAY 94-9M

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 16 MAY 94-9B								
Concentration Units: mg/kg								
Aluminum	200	191	186	189	94	80-120	3.1	20
Antimony	50	51.3	50.9	51.1	102	80-120	0.7	20
Arsenic	50	46.2	47.2	46.7	93	80-120	2.1	20
Barium	200	197	191	194	97	80-120	3.1	20
Beryllium	5.0	5.01	5.07	5.04	101	80-120	1.1	20
Cadmium	5.0	4.72	4.92	4.82	96	80-120	4.2	20
Calcium	10000	9860	9630	9740	97	80-120	2.3	20
Chromium	20	19.9	19.7	19.8	99	80-120	0.9	20
Cobalt	50	49.4	47.3	48.4	97	80-120	4.3	20
Copper	25	23.7	23.2	23.4	94	80-120	1.9	20
Iron	100	89.5	84.6	87.1	87	80-120	5.7	20
Lead	50	50.4	47.5	48.9	98	80-120	5.9	20
Magnesium	5000	4970	4750	4860	97	80-120	4.5	20
Manganese	50	49.1	47.6	48.4	97	80-120	3.1	[illegible]
Nickel	50	47.6	46.2	46.9	94	80-120	3.0	
Potassium	5000	4620	4450	4540	91	80-120	3.7	20
Silver	5	5.29	5.03	5.16	103	80-120	5.1	20
Sodium	10000	10000	9600	9820	98	80-120	4.4	20
Vanadium	50	45.9	45.1	45.5	91	80-120	1.8	20
Zinc	50	48.9	47.2	48.1	96	80-120	3.5	20
Category: ICP-TRA-S								
Matrix: SOIL								
QC Lot: 11 MAY 94-9B								
Concentration Units: mg/kg								
Antimony	50.0	51.1	51.1	51.1	102	80-120	0.0	20
Arsenic	50.0	49.9	48.8	49.3	99	80-120	2.3	20
Cadmium	5.00	5.42	5.44	5.43	109	80-120	0.3	20
Lead	50.0	53.7	52.4	53.0	106	80-120	2.4	20
Selenium	50.0	49.9	46.6	48.2	96	80-120	6.8	20
Thallium	50.0	56.2	53.3	54.7	109	80-120	5.2	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: HG-CVAA-S								
Matrix: SOIL								
QC Lot: 12 MAY 94-9C								
Concentration Units: mg/kg								
Mercury	0.500	0.546	0.561	0.554	111	75-125	2.7	20
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 03 MAY 94-9B								
Concentration Units: mg/L								
Aluminum	2.00	1.98	1.96	1.97	99	80-116	1.2	10
Antimony	0.500	0.501	0.515	0.508	102	80-115	2.9	14
Arsenic	0.500	0.542	0.558	0.550	110	80-115	3.0	17
Barium	2.00	1.95	1.91	1.93	96	80-114	1.9	10
Beryllium	0.0500	0.0536	0.0531	0.0533	107	80-120	0.8	10
Cadmium	0.0500	0.0485	0.0415	0.0450	90	80-119	16	16
Calcium	100	99.2	97.5	98.4	98	80-114	1.7	10
Chromium	0.200	0.196	0.192	0.194	97	80-116	2.1	11
Cobalt	0.500	0.500	0.499	0.499	100	80-114	0.3	10
Copper	0.250	0.268	0.261	0.265	106	80-120	2.7	10
Iron	1.00	0.897	0.923	0.910	91	80-120	2.9	11
Lead	0.500	0.521	0.537	0.529	106	80-119	3.2	10
Magnesium	50.0	51.6	50.8	51.2	102	81-120	1.6	10
Manganese	0.500	0.501	0.490	0.495	99	80-116	2.2	10
Nickel	0.500	0.494	0.485	0.490	98	80-114	1.8	10
Potassium	50.0	52.4	51.7	52.0	104	80-120	1.3	13
Selenium	0.500	0.520	0.439	0.479	96	80-120	17	20
Silver	0.050	0.0571	0.0577	0.0574	115	80-119	1.0	15
Sodium	100	106	105	106	106	80-120	1.6	10
Vanadium	0.500	0.466	0.461	0.464	93	80-116	1.1	10
Zinc	0.500	0.501	0.507	0.504	101	80-120	1.3	13
Category: ICP-TRA-AT								
Matrix: AQUEOUS								
QC Lot: 24 MAY 94-9A								
Concentration Units: mg/L								
Antimony	0.500	0.516	0.513	0.514	103	80-120	0.7	20
Arsenic	0.500	0.498	0.492	0.495	99	80-120	1.1	20
Cadmium	0.0500	0.0544	0.0538	0.0541	108	80-120	1.1	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: ICP-TRA-AT								
Matrix: AQUEOUS								
QC Lot: 24 MAY 94-9A								
Concentration Units: mg/L								
Lead	0.500	0.535	0.524	0.530	106	80-120	2.0	20
Selenium	0.500	0.502	0.488	0.495	99	80-120	2.8	20
Thallium	0.500	0.564	0.560	0.562	112	80-120	0.8	20
Category: HG-CVAA-AT								
Matrix: AQUEOUS								
QC Lot: 03 MAY 94-9M								
Concentration Units: mg/L								
Mercury	0.00100	0.00101	0.00107	0.00104	104	75-125	5.8	20

Calculations are performed before rounding to avoid round-off errors in calculated result

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METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 16 MAY 94-9B QC Run: 16 MAY 94-9B			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
inc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 11 MAY 94-9B QC Run: 11 MAY 94-9B			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 12 MAY 94-9C QC Run: 12 MAY 94-9C			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 16 MAY 94-9B QC Run: 16 MAY 94-9B			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 11 MAY 94-9B QC Run: 11 MAY 94-9B			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 12 MAY 94-9C QC Run: 12 MAY 94-9C			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-TAL-AT			
Matrix: AQUEOUS			
QC Lot: 03 MAY 94-9B QC Run: 03 MAY 94-9B			
Aluminum	ND	mg/L	0.10
Antimony	ND	mg/L	0.060
Barium	ND	mg/L	0.010
Beryllium	ND	mg/L	0.0020
Cadmium	ND	mg/L	0.0050
Calcium	ND	mg/L	0.20
Chromium	ND	mg/L	0.010
Cobalt	ND	mg/L	0.010
Copper	ND	mg/L	0.020
Iron	ND	mg/L	0.10
Magnesium	ND	mg/L	0.20
Manganese	ND	mg/L	0.010
Nickel	ND	mg/L	0.040
Potassium	ND	mg/L	5.0
Silver	ND	mg/L	0.010
Sodium	ND	mg/L	5.0
Vanadium	ND	mg/L	0.010
Zinc	ND	mg/L	0.020
Test: ICP-TRACE-AT			
Matrix: AQUEOUS			
QC Lot: 24 MAY 94-9A QC Run: 24 MAY 94-9A			
Arsenic	ND	mg/L	0.010
Lead	0.0031	mg/L	0.0030
Selenium	ND	mg/L	0.0050
Thallium	ND	mg/L	0.010
Test: HG-CVAA-POLY-AT			
Matrix: AQUEOUS			
QC Lot: 03 MAY 94-9M QC Run: 03 MAY 94-9M			
Mercury	ND	mg/L	0.00020

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICP-S	035160-0001-SD	16 MAY 94-9B
MATRIX SPIKE	ICP-S	035160-0001-MS	16 MAY 94-9B
MATRIX SPIKE DUPLICATE	ICP-TRACE-S	035160-0001-SD	11 MAY 94-9B
MATRIX SPIKE	ICP-TRACE-S	035160-0001-MS	11 MAY 94-9B
MATRIX SPIKE DUPLICATE	HG-CVAA-S	035160-0001-SD	12 MAY 94-9C
MATRIX SPIKE	HG-CVAA-S	035160-0001-MS	12 MAY 94-9C

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: ICP-S								
Matrix SOIL								
Sample: 035160-0001								
Units: mg/kg								
Aluminum	4580	3830	4930	200	200	NC	NC	NC
Antimony	ND	24.1	11.3	50.0	50.0	48	23	72
Barium	123	314	296	200	200	95	86	10
Beryllium	0.37	5.0	5.1	5.0	5.0	93	94	1
Cadmium	0.79	5.5	5.1	5.0	5.0	94	86	9
Calcium	46600	47200	51400	10000	10000	NC	NC	NC
Chromium	6.6	25.5	26.4	20.0	20.0	95	99	5
Cobalt	3.3	45.9	47.7	50.0	50.0	85	89	4
Copper	10.1	33.9	37.3	25.0	25.0	95	109	14
Iron	6690	5920	7160	100	100	NC	NC	NC
Magnesium	3160	7030	7530	5000	5000	77	87	12
Manganese	146	166	195	50.0	50.0	40	97	83
Nickel	7.1	48.8	50.8	50.0	50.0	83	87	5
Potassium	868	5540	5590	5000	5000	93	94	1
Silver	ND	4.9	4.8	5.0	5.0	98	97	[illegible]
Sodium	61.9 J	9790	9760	10000	10000	97	97	0
Vanadium	11.2	51.5	54.2	50.0	50.0	81	86	6
Zinc	34.3	73.1	81.9	50.0	50.0	78	95	20
Test: ICP-TRACE-S								
Matrix SOIL								
Sample: 035160-0001								
Units: mg/kg								
Arsenic	3.1	43.1	45.0	50.0	50.0	80	84	5
Lead	16.5	60.9	60.9	50.0	50.0	89	89	0
Selenium	ND	39.6	39.6	50.0	50.0	79	79	0
Thallium	0.47 J	43.2	44.3	50.0	50.0	86	88	2
Test: HG-CVAA-S								
Matrix SOIL								
Sample: 035160-0001								
Units: mg/kg								
Mercury	0.066 J	0.52	0.53	0.50	0.50	90	92	2

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

'C LOT ASSIGNMENT REPORT
ınorganic-CLP

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035160-0001-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0001-MS	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0001-SD	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0002-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0003-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0004-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0005-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0006-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0007-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0008-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0009-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0010-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0011-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M
035160-0012-SA	SOLID	ICPMS-S	18 MAY 94-9M	18 MAY 94-9M

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DUPLICATE CONTROL SAMPLE REPORT
Inorganic-CLP

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICPMS-S								
Matrix: SOLID								
QC Lot: 18 MAY 94-9M								
Concentration Units: mg/kg								
Barium	416	NA	NA	NC	NC	80-120	NC	20
Chromium	103	NA	NA	NC	NC	80-120	NC	20
Lithium	10.0	NA	NA	NC	NC	80-120	NC	20
Thorium	10.0	NA	NA	NC	NC	80-120	NC	20
Uranium	10.0	10.0	10.5	10.3	103	80-120	4.0	20
Yttrium (89)	10.0	NA	NA	NC	NC	80-120	NC	20
Zirconium	10.0	NA	NA	NC	NC	80-120	NC	20

ND = Not detected
NC = Not calculated, calculation not applicable
NA = Not applicable

Calculations are performed before rounding to avoid round-off errors in calculated results

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METHOD BLANK REPORT
Inorganic-CLP

Analyte	Result	Units	Reporting Limit
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 18 MAY 94-9M QC Run: 18 MAY 94-9M			
Uranium	ND	mg/kg	0.0025
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 18 MAY 94-9M QC Run: 18 MAY 94-9M			
Uranium	ND	mg/kg	0.0025

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Inorganic-CLP

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: ICPMS-S								
Matrix SOIL								
Sample: 035160-0001								
Units: mg/kg								
Uranium	0.86	14.2	15.9	10.0	10.0	133	151	12

All calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 19 MAY 94-9D Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1288	1270	1290	1280	99	75-123	1.6	17
Category: TPH-IR-S Matrix: SOIL QC Lot: 24 MAY 94-9D Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1450	1390	1400	1400	96	75-123	0.7	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 12 MAY 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	17.5	16.4	17.0	85	64-111	6.5	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	035160-0001-SD	19 MAY 94-9D
MATRIX SPIKE	TPH-IR-S	035160-0001-MS	19 MAY 94-9D

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508145

Department No: 7582
Project/Task Manager: CHRIS ADAMS/PAULA SLAVIN
Project Name: TA III/X - SITE 18
Sample Team Members: NELSON CAPITANIO, PAULA SLAVIN

Date Samples Shipped: 4/28/94
Carrier/Waybill No: A44135
Lab Destination: ENSECO RMAL
Lab Contact: E. LA RIVIERE
SMO Contact/Phone: 505-262-8800
Send Report to SMO: MARK LYON
SMO Reference No:

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: 67-9736 B
Case No: 3617.300
SMO Authorization: D. McLaughlin

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
SNL/NM015316-1	SOIL	4.27.94 1005	G	1X16oz.	ICE To 4°C	TPH 418.1, PCBs 8080, EXPLOSIVE RESIDUE 8330, TAL METALS 6010/7000	N	35160-01	
"015315-1		1030						02	
"015314-1		1045						03	
"015313-1		1100						04	
"015312-1		1115				TPH 418.1, EXPLOSIVE RES 8330, TAL METALS 6010/7000		05	
"015311-1		1120						06	
"015310-1	SOIL	1140	G	1X16oz.	ICE To 4°C	TPH 418.1, EXPL. RES. 8330, TAL METALS 6010/7000	N	07	
"015309-1		1155						08	
"015308-1		1325						09	
"015307-1		1340						10	
"015306-1		1410						11	

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☑ Radioactive

Turnaround Time
Normal ☑ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☑ Archive Until

Special Instructions/QC Requirements
IN ADDITION TO STANDARD ANALYSES OF SAMPLE SNL/NM015316-1, RUN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE ON SNL/NM015316-1
List as Separate Job (E&R)
TEMP BLANK ENCLOSED! Please NOTIFY SNL OF TEMPERATURE!

	Org	Date	Time
1. Relinquished by [signature]	7582	4.28.94	1145
1. Received by [signature]	SMO7576	4/29/94	1145
2. Relinquished by [signature]	SMO7576	4/29/94	1400
2. Received by Mark Oravland		4/29/94	08:30
3. Relinquished by			
3. Received by			
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

White-To Accompany Samples, Laboratory Copy Blue-To Accompany Samples, Return to SMO Pink-Field/Purchasing Copy Rev 0 10/92

FAX TRANSMITTAL	# of Pages 1 of 1
To Pam Puissant	From Ellen LaRiviere
Co. Sandia National Labs	Co. RMAL
Fax # (505) 848-0304	Phone 303-421-6611 Fax 303-431-7171

ENSECO-ROCKY MOUNTAIN ANALYTICAL
CHANGE ORDER

Client Name Sandia
RMAL Project Number 035160
Date of Request 4/29/94
Change Order Submitted to Client
Date 5/2/94

Program Name/Lims Number 001429
TA III/V - Site 18
Contact Ellen LaRiviere
Authorized Client Representative
Pam Puissant

TYPE OF CHANGE

Method _____ Sample Del. Schedule _____ SDA Criteria _____ Matrix _____ QC Change _____
Bottles Received _____ Deliverable _____ C of C Discrepancies _____

PROGRAM CHANGE _____ **PROJECT CHANGE** X

DESCRIPTION OF MODIFICATION/CHANGE/DISCREPANCY/NOTIFICATION Per 4/29/94 telephone conversation with Mr. Mack McLaughlin of Sandia Paula Slavin has requested total uranium analysis by method 6020 to all samples on COC number 508745.

Date change is to be implemented 4/29/94

APPROVED BY: CLIENT REP _____ ENSECO REP eme

Follow-up required: N/A X Yes _____

cc: Mack McLaughlin

Enseco
A Corning Company

RECEIVED
MAY 3 1 1994
SNL/SMO

May 27, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for twelve soil samples and eight aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on April 29, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #035160

DATA REVIEWED
By: MS Garcia Date: 6-16-94
Checked: _____
Approved: _____

Enseco Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

Site 18 for Att. 18-1 NED

DOCUMENTATION COMPLETENESS
(DATA VERIFICATION/VALIDATION L

Project Name TA 3/5 RFI
Case Number 3617.300
Sample Numbers 021503 - 021517

of 4

AR/COC No. 02555 Analytical laboratory Quanterra-STL SDG No. 40341
AR/COC No. _____ Analytical laboratory _____ SDG No. _____
AR/COC No. _____ Analytical laboratory _____ SDG No. _____
AR/COC No. _____ Analytical laboratory _____ SDG No. _____

In the tables below, mark any information that is missing or incorrect.

1.0 Sample Collection Log

Item	Complete? Yes	Complete? No	Corrected? Yes	Corrected? No[a]
Date	✓			
Sheet number and total number of sheets below	✓			
General information	✓			
Sample description	✓			
Sample ID number(s) and fraction number(s)	✓			
Location	✓			
Time of sample collection	✓			
Sample type	✓			
Depth below surface	✓			
QC sample?[b]	✓			
Comments	✓			
Analyses requested	✓			
Project information	✓			
Project name	✓			
Case number/service order number	✓			
Contact information	✓			
Turnaround time COC	NA			
Regulatory program	✓			
Special QC requirements	✓			
Sample team member(s), their signature(s), and initials	✓			
Sample tracking information (the "Data Entered" and "By" spaces may be empty)	✓			

[a] Describe any uncorrected deficiencies in Section 5.0, "Completeness Assessment," below.
[b] Comments are only required for QC samples; for other samples, this item can be blank.

Reviewed by: Howard Seeley

Date: 2-15-95

DOCUMENTATION COMPLETENESS CHECKLIST
(DATA VERIFICATION/VALIDATION LEVEL 1—DV1)

4.0 Analytical Laboratory Report

Item	Complete?		Corrected?	
	Yes	No	Yes	No[a]
Data reviewed, signature	✓			
Date samples received	✓			
Method reference number(s)	✓			
Quality control data	✓			
Matrix spike/matrix spike duplicate data	✓			
Narrative complete	✓			

[a] Describe any uncorrected deficiencies in Section 5.0 "Completeness Assessment" below.

5.0 Completeness Assessment

For each section below, mark the appropriate box and describe any problems that remain unresolved.

5.1 Sample Collection Log

	Yes	No
All boxes on the Sample Collection Log are complete:	☑	☐
Some boxes have been checked no; all problems are resolved.	☐	☐

If any boxes have been checked no, describe problem and resolution:

5.2 Analysis Request And Chain Of Custody Record AR/COC

	Yes	No
All boxes on the AR/COC review are complete:	☑	☐
Some boxes have been checked no; all problems are resolved.	☐	☐

If any boxes have been checked no, describe problem and resolution:

Reviewed by: A. Seeley

Date: 2-17-95

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COC

AR/COC- 02555

Dept. No./Mail Stop: 7585 MS 1347
Project/Task Manager: Paula Slavin
Project Name: TA 3/5 RFI
Record Center Code: 21/1306 01B/DA7
Logbook Ref No: SL-13282
SMO Reference No.: 301456.152.02.100

Date Samples Shipped: 1/27/95
Carrier/Waybill No.: A 44829
Lab Contact: Ellen Le Riviere
Lab Destination: Guadalupe/Pinal
SMO Contact/Phone: Pam Poissant
Send Report to SMO Deborah Christmann

Contract No.: 67-9736B
Case No.: 3617.300
SMO Authorization:
Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Location — Tech Area: III — Building: NA — Room: NA

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	(Lab Code 17500)	Lab Sample ID
021503-01	18-A1-2	2	18	1-24-95/0940	S	SL	16oz	4°C	G	SA	X	X	
021505-01	↓ ↓-6	6		1020							X	X	
021506-01	18-A2-2	2		1135								X	
021508-01	18-A2-6	6		1210								X	
021509-01	18-A2-RBD	NA		1240	W	G	32oz	H2SO4		EB	X		
021509-02	↓			↓		P	16oz	HNO3		EB		X	
021510-01	18-A2-FBA			1245		G	32oz	H2SO4		FB	X		
021510-02	↓			↓		P	16oz	HNO3/HCl		FB		X	
021511-01	18-A3-2	2		1330	S	SL	2x16oz	4°C		MS/MSD		X	
021513-01	18-A3-6	6		1350	S	SL	16oz	4°C		SA		X	

RMMA ☒ Yes ☐ No Ref. No. 18

Sample Disposal ☐ Return to Client ☒ Disposal by lab

Turnaround Time ☒ Normal ☐ Rush Required Report Date _____

Sample Tracking
Date Entered (mm/dd/yy): 1-30-95
Entered by: Dyessie
QC inits.

Special Instructions/QC Requirements
- List as Separate Report
- MS/MSD on Sample 021511-01
- Send copy of Report to Paula Slavin at Fax # (505) 848-0417

Abnormal Conditions on Receipt

Sample Team Members

Name	Signature	Init	Company/Organization
Tim Jackson	Tim Jackson	TJ	IT IUP

	Org.	Date	Time
1. Relinquished by	ITC	1-24-95	1610
1. Received by	7570	1-24-95	1610
2. Relinquished by	7570	1-27-95	1400
2. Received by			
3. Relinquished by			
3. Received by			
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COD (9-94)

AR/COC- 02555

Project Name: TA 3/5 RFI - 5170 18 Project/Task Manager: Paula Shaw Case No.: 3617300

Location Tech Area TA-3

Building AA Room AA

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Reference LOV (available at SMO): Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	(6000/7000) Cd Cr Pb Zn									Lab Sample ID
02151 4-01	18-A4-2	2	18	1245/1400	S	SL	16oz	4°C	G	SA	X	X									
02151 6-01	18-A4-6	6	↓	↓ 1120	↓	↓	↓	↓	↓	SA	X	X									
02151 7-01	19-A4-6D	6	↓	↓ 1145	↓	↓	↓	↓	↓	DU	X	X									

Last, 1-24-95

Abnormal Conditions on Receipt

Recipient Initials

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 01.5c2

AR/COC No.: AR/COC- 02555/025

PAGE 1 OF 2

GENERAL INFORMATION	DATE: 1-24-95	WEATHER: cloudy 40s -50s	SAMPLING INFORMATION	ON-SITE CONTACT: Paula Slavin	ORG.: 7582 / PHONE: 848-0334
	SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI workplan			AREA: TA-3	LOCATION: Site 18 - Concrete Pad
	PURPOSE OF SAMPLING: Phase II Sampling - RCRA				

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TPH (418.1)	Cu, Cd, Cr, Pb, Zn (6000/7000)
021503 - 01	0940	18 - A1 - 2	To Quanterra : depth = 2'	G	N	X	X
021504 - 01	1000	18 - A1 - 4	Hold at SNL/SMO depth = 4'	↓	↓	X	X
021505 - 01	1020	18 - A1 - 6	To Quanterra depth = 6'	↓	↓	X	X
021506 - 01	1135	18 - A2 - 2	To Quanterra depth = 2'	↓	↓		X
021507 - 01	1145	18 - A2 - 4	Hold at SNL/SMO depth = 4'	↓	↓		X
021508 - 01	1210	18 - A2 - 6	To Quanterra depth = 6'	↓	↓		X
021509 - 01	1240	18 - A2 - RBA	Equipment blank (water matrix)	↓	Y	X	
↓ - 02	↓	18 - A2 - RBA	↓	↓	Y		X

PROJECT	PROJECT NAME: TA3/6 RFI - Site 18	CASE NUMBER: 3617.300	PROJECT CONTACT: Paula Slavin	ORG.: 7582 / PHONE: 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #)

Samples collected with stainless steel hand augar; Ref. cooler code = ER/1306 0/8/DAT

Samples on ARCOC 02557 on hold at SMO pending analytical results from Quanterra

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Tim Jackson	Tim Jackson	TJ	IT Corp
2.				
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Quanterra	TRANSPORTED BY:	SPECIAL HANDLING:
DATE SHIPPED (MM-DD-YY)	DATA ENTERED (MM-DD-YY): 1-30-95	BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCC (4-94)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 013282

AR/COC No.: AR/COC- 02555/02

PAGE 2 OF 2

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TPH (418.1)	ANALYSES: (U, Cr, Cd, Pb, Zn) (Acid Digest)						
021510 - 01	1245	18 - A2 - FBA	Field Blank (water matrix)	G	Y	X							
↓ - 02	↓	18 - A2 - FBA	↓	↓	Y		X						
021511 - 01	1330	18 - A3 - 2	SA + ms/msD depth = 2'	↓	Y		X						
021512 - 01	1345	18 - A3 - 4	hold at SMO = 4'	↓	N		X						
021513 - 01	1350	18 - A3 - 6	↓ = 6'	↓	N		X						
021514 - 01	1400	18 - A4 - 2	SA depth = 2'	↓	N	X	X						
021515 - 01	1410	18 - A4 - 4	hold at SMO = 4'	↓	N	X	X						
021516 - 01	1420	18 - A4 - 6	SA depth = 6'	↓	N	X	X						
021517 - 01	1445	18 - A4 - 6D	Duplicate sample ↓ = 6'	↓	Y	X	X						

Last Line

TJ 1-24-95

WHITE - To Sample Management Office PINK - Originator

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COC (9)

AR/COC- 02555

Dept. No./Mail Stop: 7585 MS 1347
Project/Task Manager: Paula Slavin
Project Name: TA 3/5 RFI
Record Center Code: ER/1306 018/DA7
Logbook Ref No: SL - 13282
SMO Reference No.: 301458.152.02.000

Date Samples Shipped: 1/27/95
Carrier/Waybill No.: A 44829
Lab Contact: Ellen La Riviere
Lab Destination: Quanterra / RMAL
SMO Contact/Phone: Pam Puissant
Send Report to SMO Debbie Constant

Contract No.: 67-9736B
Case No.: 3617.300
SMO Authorization: [signature]
Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Location — Tech Area: III — Building: NA — Room: NA

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	16 Metals (Cu, Cd, Cr, Pb, Zn)								Lab Sample ID
021503-01	18-A1-2	2	18	1-24-95/0940	S	SL	16oz	4°C	G	SA	X	X								1
021505-01	↓ ↓ - 6	6	↓	↓ 1020	↓	↓	↓	↓	↓	↓	X	X								2
021506-01	18-A2-2	2		1135								X								3
021508-01	18-A2-6	6		1210								X								4
021509-01	18-A2-RBA	NA		1240	W	G	32oz	HNO3/4°C		EB	X									5
021509-02	↓	↓		↓	↓	P	16oz	HNO3/4°C		EB		X								6
021510-01	18-A2-FBA			1245		G	32oz	HNO3/4°C		FB	X									7
021510-02	↓	↓		↓	↓	P	16oz	HNO3/4°C	↓	FB		X								8
021511-01	18-A3-2	2		1330	S	SL	2x16oz	4°C		MS/MSD		X								9
021513-01	18-A3-6	6	↓	↓ 1350	S	SL	16oz	4°C	↓	SA		X								10

RMMA ☒ Yes ☐ No Ref. No. 18

Sample Disposal ☐ Return to Client ☒ Disposal by lab

Turnaround Time ☒ Normal ☐ Rush Required Report Date _____

Sample Tracking
Date Entered (mm/dd/yy):
Entered by:
QC inits.

Special Instructions/QC Requirements
- List as separate Report
- MS/MSD on Sample 021511-01
- Send copy of Report to Paula Slavin at Fax # (505) 848-0417

Abnormal Conditions on Receipt

Sample Team Members	Name	Signature	Init	Company/Organization
	Tim Jackson	Tim Jackson	TJ	IT CORP

	Org.	Date	Time
1. Relinquished by [signature]	ITC	1-24-95	1610
1. Received by [signature]	7570	1-24-95	1610
2. Relinquished by [signature]	7570	1-25-95	1400
2. Received by Connie May	QESID	1/30/95	0930
3. Relinquished by			
3. Received by			
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

WHITE - To Accompany Samples, Laboratory Copy BLUE - To Accompany Samples, Return to SMO YELLOW - SMO Suspense Copy PINK - Field Copy

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COD (9-94)

AR/COC- 02555

Project Name: TA 3/5 RFI - Site 18 Project/Task Manager: Paula Slavin Case No.: 3617.300

Location Tech Area III

Building NA Room NA

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	TPH (8015 mod)	Lab Sample ID
02151401	18-A4-2	2	18	1-24-95/1400	S	SL	16oz	4°C	G	SA	X	X	11
02151601	18-A4-6	6	↓	↓ 1420	↓	↓	↓	↓	↓	SA	X	X	12
02151701	18-A4-6D	6	↓	↓ 1445	↓	↓	↓	↓	↓	DU	X	X	13
													14
													15
													16
													17
													18
													19
													20

Lab, Line Tp 1-24 95

Abnormal Conditions on Receipt

Rec'd by: QESD Bonnie Mayr 1/28/95 0930

Recipient Initials

WHITE - To Accompany Samples, Labor Copy BLUE - To Accompany Samples, Return to SMO YELLOW - Suspense Copy PINK - Field Copy

SHIPPER

6961-AE(1-93)

Sandia National Laboratories

1 [x] New Mexico [ ] California [ ] Other

SHIP TO: Typed or neatly printed
2 QUANTERRA ~~Inteco Rocky Mountain Analytical Laboratory~~
4955 Yarrow Street
Arvada, CO 80002
Attn: Ms. Ellen La Riviere
Contract No. 67-9736B

Gate Exit Time & Date 3 | Highest Material Security Class. 4 U | Page 1 of 1

Date to be Returned 5 [x] No Return | Document No. A 44829 | Shipping Code 7 | Shipment Register No. 6 578492

Due at Destination 8 1/28/95 | [x] Firm (Premium transportation authorized) | [ ] Flex (Most economical transportation)

Cooler 1 / Cooler 2
AR/COC # 02555 / 02578

Originator of Form 8: D.L. MCLaughlin | Org. 7576 | Phone 4-0941 | Date Prepared 10: 1/27/95

FROM: Site 11: TAI | Bldg. 870B | Room 1 | Org. 7576 | Requester's E No. 12: 03319 | Requester's Name (Write "Same" if also originator): same | Org. | Phone | Case No. 13: ~~6087.200~~ 6991.124000

Material Billing 14: [ ] Charge [x] No Charge
Freight Billing 15: [x] Prepaid [ ] Collect (If collect, carrier & acct no. (if known))
Reason for Shipment 16: Lab Analysis of Environmental Samples
Authority for Shipment 17: n/a

Item No. 18	Sec. Class. 19	Quantity 20	Unit 21	Haz. Mat'l. 22	Property Tag No. And/Or MID No. 23	Description 24	Unit Value 25	$ Total 26
1	U	7	EA	N/A	N/A	ENVIRONMENTAL WATER & SOIL SAMPLES (TA3/5 RFI)	N/A	N/A

LAST ITEM

IMPORTANT: SANIA TRAFFIC ANALYST, PLEASE FAX COPY OF COMPLETED SHIPPER AND WAYBILL TO SMO FACILITY, FAX # 844-4976, IMMEDIATELY UPON SHIPMENT.

205 2198 854 Cooler 1 — 60 lbs
205 2198 863 Cooler 2 — 50 lbs
1/27/95 2:10

Grand Total 27 $

DOE Transportation Safeguards Div. Courier 28 | Service Clerk 29 | Property Mgmt. Rep. 30 N/A

Destination Carrier 31 FEDERAL EX JAN 97 | No. of Boxes 34 2 CD Boxes | Weight 35 110 lbs | Total Cubic Feet/Dimensions 36 8-4/3 x 8 x 8 / 27 x 15 x

Authorizing Signature 37: Jim D. Fish, 7576
Signature of manager above typed or printed name and Org.
I certify that the material being offered for shipment is nonhazardous unless noted as hazardous in block 22 and required information is being provided.

Special Approval 38 — Name — Org.
Special Approval — Name — Org.

Bearer's Signature
40 Receipt Acknowledged — Recipient's Signature/Company — Date
Contract or PEL/MEL Rep. 41 — Name — Org. [ ] External Loan

The listed material and accompanying information has been examined and the hazardous material designations and all preparations for shipment are certified correct.
42 Hazardous Material Consultant
43 Packed by

Ply 1:
Corporate File - Retained by the Traffic Organization after shipper is complete and items are ready for shipment.

Denver

01/31/95

SAMPLE DESCRIPTION INFORMATION

for

Sandia National Laboratory

Sample No.	Sample Description	Sample Type	Date Sampled	Time Sampled	Date Received
040341-0001-SA	021503-01/18-A1-2 18	SOIL	01/24/95	09:40	01/28/95
040341-0002-SA	021505-01/18-A1-6 18	SOIL	01/24/95	10:20	01/28/95
040341-0003-SA	021506-01/18-A2-2 18	SOIL	01/24/95	11:35	01/28/95
040341-0004-SA	021508-01/18-A2-6 18	SOIL	01/24/95	12:10	01/28/95
040341-0005-EB	021509-01/18-A2-RBA 18	AQUEOUS	01/24/95	12:40	01/28/95
040341-0006-EB	021509-02/18-A2-RBA 18	AQUEOUS	01/24/95	12:40	01/28/95
040341-0007-FB	021510-01/18-A2-FBA 18	AQUEOUS	01/24/95	12:45	01/28/95
040341-0008-FB	021510-02/18-A2-FBA 18	AQUEOUS	01/24/95	12:45	01/28/95
040341-0009-SA	021511-01/18-A3-2 18	SOIL	01/24/95	13:30	01/28/95
040341-0009-MS	021511-01/18-A3-2 18	SOIL	01/24/95	13:30	01/28/95
040341-0009-SD	021511-01/18-A3-2 18	SOIL	01/24/95	13:30	01/28/95
040341-0010-SA	021513-01/18-A3-6 18	SOIL	01/24/95	13:50	01/28/95
040341-0011-SA	021514-01/18-A4-2 18	SOIL	01/24/95	14:00	01/28/95
040341-0012-SA	021516-01/18-A4-6 18	SOIL	01/24/95	14:20	01/28/95
040341-0013-DU	021517-01/18-A4-6 18D	SOIL	01/24/95	14:45	01/28/95

Denver
4955 Yarrow Street, Arvada, CO 80002 (303) 421-6611

A DIVISION OF
ENSECO
INCORPORATED

01/31/95

RECEIVED
FEB 08 1995
SNL/SMO

Jim Fish
Sandia National Laboratory - Department 7576
PO Box 5800
Albuquerque, NM 871851305

Dear Mr. Fish: 02555

This letter acknowledges the acceptance of 15 samples at Quanterra's Denver Laboratory which have been assigned to project number 040341. Attached are the Sample Description Information form, cross-referencing the Quanterra sample numbers to client descriptions, and a copy of the signed Chain of Custody.

If you have any questions or need additional information, please contact me at (303)421-6611. Thank you.

Sincerely,

Mark D Schelle

Ellen La Riviere
Program Administrator

Sandia National Laboratories
Albuquerque, New Mexico 87185

date: 2-17-95

to: P. Slavin

from: Howard Seeley, 7576

project: TA 3/5 RFI COC: 02555

Lab: Quanterra

Lab #: 40341

Date Sampled: 1-24-95

Enclosed ~~are/is~~ 1 data package(s) for your project. The SMO has performed a data verification level 1 on the data. The original data will be held at the SMO pending corrections identified by you. If any deficiencies are identified by you during data review, please copy the pages that are wrong, indicate what needs to be corrected and forward them with this letter to me at MS 1305 or fax them to 848-0535. I will then contact the laboratory to make the appropriate corrections. If the SMO is not notified of any corrections within 15 working days the original report(s) will be forwarded to the record center. If you need assistance with the data review or have any questions regarding the data please contact me at 848-0846.

SAMPLE MANAGEMENT OFFICE

Howard Seeley

HS:7576:pp

Distribution:
7500 Record Center
cc: D. Stockham
E. Vinsant

Quanterra
Environmental Services

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

RECEIVED
FEB 13 1995
SNL/SMO

February 9, 1995

Mr. Jim Fish
c/o Ms. Deborah Constant
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for nine soil and four aqueous samples received at Quanterra Environmental Services, Denve on January 28, 1995.

Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Mark D Saelle for

Ellen La Riviere
Program Administrator

EL/mds
Enclosures

Quanterra #040341

DATA REVIEWED

By: _____ Date: _____

Checked: _____

Approved: _____

Quanterra Environmental Services

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA NO. 040341

FEBRUARY 9, 1995

Reviewed by: Mark D Stella for
Ellen La Riviere

Quanterra
Environmental Services

I. OVERVIEW

On January 28, 1995, Quanterra Environmental Services, Denver received nine soil and four aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Inorganic Data Review

The average DCS percent accuracy for total petroleum hydrocarbons QC lot 03-FEB-95-M6 exceeded Quanterra's quality control limits. The results in samples were "ND" or not detected, which indicates a high bias for these samples. Therefore, the data was accepted and reported.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra's Denver laboratory is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
040341-0001-SA	021503-01/18-A1-2 18	SOIL	24 JAN 95	09:40	28 JAN 95
040341-0002-SA	021505-01/18-A1-6 18	SOIL	24 JAN 95	10:20	28 JAN 95
040341-0003-SA	021506-01/18-A2-2 18	SOIL	24 JAN 95	11:35	28 JAN 95
040341-0004-SA	021508-01/18-A2-6 18	SOIL	24 JAN 95	12:10	28 JAN 95
040341-0005-EB	021509-01/18-A2-RBA 18	AQUEOUS	24 JAN 95	12:40	28 JAN 95
040341-0006-EB	021509-02/18-A2-RBA 18	AQUEOUS	24 JAN 95	12:40	28 JAN 95
040341-0007-FB	021510-01/18-A2-FBA 18	AQUEOUS	24 JAN 95	12:45	28 JAN 95
040341-0008-FB	021510-02/18-A2-FBA 18	AQUEOUS	24 JAN 95	12:45	28 JAN 95
040341-0009-SA	021511-01/18-A3-2 18	SOIL	24 JAN 95	13:30	28 JAN 95
040341-0009-MS	021511-01/18-A3-2 18	SOIL	24 JAN 95	13:30	28 JAN 95
040341-0009-SD	021511-01/18-A3-2 18	SOIL	24 JAN 95	13:30	28 JAN 95
040341-0010-SA	021513-01/18-A3-6 18	SOIL	24 JAN 95	13:50	28 JAN 95
040341-0011-SA	021514-01/18-A4-2 18	SOIL	24 JAN 95	14:00	28 JAN 95
040341-0012-SA	021516-01/18-A4-6 18	SOIL	24 JAN 95	14:20	28 JAN 95
040341-0013-SA	021517-01/18-A4-6D 18	SOIL	24 JAN 95	14:45	28 JAN 95

Quanterra
Environmental Services

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 040341	Group Code	Analysis Description	Custom Test?
0001 - 0002, 0011 - 0013	A	TAL Metals done by ICP	Y
		Prep - Total Metals, ICP	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0003 - 0004, 0009 - 0010	B	TAL Metals done by ICP	Y
		Prep - Total Metals, ICP	N
0005 , 0007	D	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0006 , 0008	E	TAL Metals (Total) done by ICP	Y
		Prep - Total Metals, ICP	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e. no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Quanterra QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{|\text{Measured Concentration DCS1} - \text{Measured Concentration DCS2}|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021503-01/18-A1-2 18
Lab ID: 040341-0001-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95
Chromium	13.1	mg/kg	1.0	6010	02 FEB 95	06 FEB 95
Copper	6.2	mg/kg	2.0	6010	02 FEB 95	06 FEB 95
Lead	5.1	mg/kg	5.0	6010	02 FEB 95	06 FEB 95
Zinc	24.4	mg/kg	2.0	6010	02 FEB 95	06 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021505-01/18-A1-6 18
Lab ID: 040341-0002-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95	
Chromium	12.3	mg/kg	1.0	6010	02 FEB 95	06 FEB 95	
Copper	4.6	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	
Lead	3.7	mg/kg	5.0	6010	02 FEB 95	06 FEB 95	J
Zinc	21.1	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021506-01/18-A2-2 18
Lab ID: 040341-0003-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95
Chromium	7.4	mg/kg	1.0	6010	02 FEB 95	06 FEB 95
Copper	5.5	mg/kg	2.0	6010	02 FEB 95	06 FEB 95
Lead	5.5	mg/kg	5.0	6010	02 FEB 95	06 FEB 95
Zinc	21.5	mg/kg	2.0	6010	02 FEB 95	06 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021508-01/18-A2-6 18
Lab ID: 040341-0004-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95	
Chromium	11.6	mg/kg	1.0	6010	02 FEB 95	06 FEB 95	
Copper	12.7	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	
Lead	4.6	mg/kg	5.0	6010	02 FEB 95	06 FEB 95	J
Zinc	21.5	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021509-02/18-A2-RBA 18
Lab ID: 040341-0006-EB
Matrix: AQUEOUS Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/L	0.0050	6010	03 FEB 95	06 FEB 95	
Chromium	ND	mg/L	0.010	6010	03 FEB 95	06 FEB 95	
Copper	0.0061	mg/L	0.020	6010	03 FEB 95	06 FEB 95	J
Lead	ND	mg/L	0.050	6010	03 FEB 95	06 FEB 95	
Zinc	0.0062	mg/L	0.020	6010	03 FEB 95	06 FEB 95	J

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021510-02/18-A2-FBA 18
Lab ID: 040341-0008-FB
Matrix: AQUEOUS Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/L	0.0050	6010	03 FEB 95	06 FEB 95	
Chromium	ND	mg/L	0.010	6010	03 FEB 95	06 FEB 95	
Copper	0.0067	mg/L	0.020	6010	03 FEB 95	06 FEB 95	J
Lead	ND	mg/L	0.050	6010	03 FEB 95	06 FEB 95	
Zinc	0.011	mg/L	0.020	6010	03 FEB 95	06 FEB 95	J

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021511-01/18-A3-2 18
Lab ID: 040341-0009-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95	
Chromium	6.4	mg/kg	1.0	6010	02 FEB 95	06 FEB 95	
Copper	3.2	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	
Lead	3.9	mg/kg	5.0	6010	02 FEB 95	06 FEB 95	J
Zinc	14.4	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021513-01/18-A3-6 18
Lab ID: 040341-0010-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95	
Chromium	11.3	mg/kg	1.0	6010	02 FEB 95	06 FEB 95	
Copper	6.0	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	
Lead	3.7	mg/kg	5.0	6010	02 FEB 95	06 FEB 95	J
Zinc	26.3	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021514-01/18-A4-2 18
Lab ID: 040341-0011-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95
Chromium	7.5	mg/kg	1.0	6010	02 FEB 95	06 FEB 95
Copper	4.8	mg/kg	2.0	6010	02 FEB 95	06 FEB 95
Lead	3.3	mg/kg	5.0	6010	02 FEB 95	06 FEB 95 J
Zinc	20.7	mg/kg	2.0	6010	02 FEB 95	06 FEB 95

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021516-01/18-A4-6 18
Lab ID: 040341-0012-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95	
Chromium	6.4	mg/kg	1.0	6010	02 FEB 95	06 FEB 95	
Copper	4.7	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	
Lead	3.3	mg/kg	5.0	6010	02 FEB 95	06 FEB 95	J
Zinc	18.7	mg/kg	2.0	6010	02 FEB 95	06 FEB 95	

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Quanterra Environmental Services

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: 021517-01/18-A4-6D 18
Lab ID: 040341-0013-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Cadmium	ND	mg/kg	0.50	6010	02 FEB 95	06 FEB 95
Chromium	8.3	mg/kg	1.0	6010	02 FEB 95	06 FEB 95
Copper	7.9	mg/kg	2.0	6010	02 FEB 95	06 FEB 95
Lead	5.5	mg/kg	5.0	6010	02 FEB 95	06 FEB 95
Zinc	23.8	mg/kg	2.0	6010	02 FEB 95	06 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Doug Gomer Approved By: Richard Persichitte

Sandia National Laboratories

SF 2001-SCC (4-94)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 01322

AR/COC No.: AR/COC- 025551

PAGE 2 OF 2

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TPH (418.1)	ANALYSES: Cu, Cr, Cd, Pb, Zn (6000/7000)					
021510 -01	1245	18-A2-FBA	Field Blank (water matrix)	G	Y	X						
↓ -02	↓	18-A2-FBA	↓	↓	Y		X					
021511 -01	1330	18-A3-2	SA + MS/MSD depth = 2'		Y		X					
021512 -01	1345	18-A3-4	Hold at SMO = 4'		N		X					
021513 -01	1350	18-A3-6	↓ = 6'		N		X					
021514 -01	1400	18-A4-2	SA depth = 2'		N	X	X					
021515 -01	1410	18-A4-4	Hold at SMO = 4'		N	X	X					
021516 -01	1420	18-A4-6	SA depth = 6'		N	X	X					
021517 -01	1445	18-A4-6D	Duplicate sample ↓ = 6'	↓	Y	X	X					

Last Line

TJ 1-24-95

WHITE - To Sample Management Office PINK - Originator

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 01322

AR/COC No.: AR/COC- 02555/0

PAGE 1 OF 2

GENERAL INFORMATION

DATE: 1.24.95 | WEATHER: cloudy 40's - 50's

SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI workplan

PURPOSE OF SAMPLING: Phase II Sampling - RCRA

SAMPLING INFORMATION

ON-SITE CONTACT: Paula Slavin | ORG.: 7582 | PHONE: 848-0334

AREA: TA-3 | LOCATION: Site 18 - Concrete Pad

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH (4916.1)	Cu, Cr, Cr, Pb, Zn (6500/7000)					
021503 - 01	0940	18 - A1 - 2	To Quanterra depth = 2'	G	N	X	X					
021504 - 01	1000	18 - A1 - 4	Hold at SNL/SMO depth = 4'	↓	↓	X	X					
021505 - 01	1020	18 - A1 - 6	To Quanterra depth = 6'	↓	↓	X	X					
021506 - 01	1135	18 - A2 - 2	To Quanterra depth = 2'	↓	↓		X					
021507 - 01	1145	18 - A2 - 4	Hold at SNL/SMO depth = 4'	↓	↓		X					
021508 - 01	1210	18 - A2 - 6	To Quanterra depth = 6'	↓	↓		X					
021509 - 01	1240	18 - A2 - RBA	Equipment blank (water matrix)	↓	Y	X						
↓ - 02	↓	18 - A2 - RBA	↓	↓	Y		X					

PROJECT

PROJECT NAME: TA 3/5 RFI - Site 18 | CASE NUMBER: 3617.300 | PROJECT CONTACT: Paula Slavin | ORG.: 7582 | PHONE: 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #)

Samples collected with stainless steel hand auger; Ref. matrix code = ER/136 08/10/07

Samples on AR/COC 02557 on hold at SMO pending analytical results from Quanterra

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Tim Jackson	Tim Jackson	TJ	IT Corp
2.				
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Quanterra | TRANSPORTED BY: | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): | DATA ENTERED (MM-DD-YY): 1-30-95 | BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040341-0001-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0002-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0003-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0004-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0006-EB	AQUEOUS	ICP-AT	03 FEB 95-9B	03 FEB 95-9B
040341-0008-FB	AQUEOUS	ICP-AT	03 FEB 95-9B	03 FEB 95-9B
040341-0009-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0009-MS	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0009-SD	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0010-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0011-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0012-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L
040341-0013-SA	SOIL	ICP-S	02 FEB 95-9L	02 FEB 95-9L

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 02 FEB 95-9L								
Concentration Units: mg/kg								
Aluminum	200	194	191	192	96	80-120	1.5	20
Antimony	50	44.9	44.2	44.6	89	80-120	1.7	20
Arsenic	50	43.1	42.6	42.8	86	80-120	1.3	20
Barium	200	169	168	168	84	80-120	0.1	20
Beryllium	5.0	4.70	4.72	4.71	94	80-120	0.6	20
Boron	1000	880	886	883	88	80-120	0.7	20
Cadmium	5.0	4.09	4.09	4.09	82	80-120	0.2	20
Calcium	10000	9030	9100	9060	91	80-120	0.8	20
Chromium	20	18.2	18.4	18.3	92	80-120	1.1	20
Cobalt	50	44.2	43.9	44.1	88	80-120	0.7	20
Copper	25	22.2	22.3	22.2	89	80-120	0.5	20
Iron	100	92.9	91.5	92.2	92	80-120	1.5	20
Lead	50	42.4	42.3	42.4	85	80-120	0.2	20
Magnesium	5000	4510	4520	4510	90	80-120	0.3	
Manganese	50	44.6	44.3	44.5	89	80-120	0.8	
Nickel	50	43.3	43.3	43.3	87	80-120	0.0	20
Potassium	5000	4410	4440	4430	89	80-120	0.5	20
Silver	5	4.53	4.43	4.48	90	80-120	2.2	20
Sodium	10000	9060	9120	9090	91	80-120	0.6	20
Thallium	500	471	477	474	95	80-120	1.4	20
Tin	50	47.4	47.9	47.6	95	80-120	1.0	20
Vanadium	50	46.1	46.2	46.2	92	80-120	0.2	20
Zinc	50	42.4	42.7	42.6	85	80-120	0.6	20
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 03 FEB 95-9B								
Concentration Units: mg/L								
Aluminum	2.00	2.00	2.06	2.03	102	80-116	2.8	10
Antimony	0.500	0.461	0.505	0.483	97	80-115	9.1	14
Arsenic	0.500	0.467	0.494	0.480	96	80-115	5.7	17
Barium	2.00	1.79	1.89	1.84	92	80-114	5.7	10
Beryllium	0.0500	0.0510	0.0526	0.0518	104	80-120	3.1	10
Boron	10	9.20	9.63	9.42	94	80-120	4.6	10
Cadmium	0.0500	0.0446	0.0475	0.0460	92	80-119	6.3	16
Calcium	100	96.9	101	99.1	99	80-114	4.5	10
Chromium	0.200	0.194	0.203	0.199	99	80-116	4.7	11
Cobalt	0.500	0.484	0.514	0.499	100	80-114	6.0	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precisio (RPD) DCS	Limi
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 03 FEB 95-9B								
Concentration Units: mg/L								
Copper	0.250	0.246	0.252	0.249	100	80-120	2.7	1(
Iron	1.00	1.03	1.06	1.05	105	80-120	2.1	1
Lead	0.500	0.480	0.516	0.498	100	80-119	7.3	1(
Magnesium	50.0	47.8	50.3	49.0	98	81-120	5.1	1(
Manganese	0.500	0.504	0.522	0.513	103	80-116	3.4	1(
Nickel	0.500	0.478	0.508	0.493	99	80-114	6.1	1(
Potassium	50.0	46.6	49.0	47.8	96	80-120	5.1	1
Selenium	0.500	0.531	0.547	0.539	108	80-120	3.0	2(
Silver	0.050	0.0480	0.0535	0.0507	101	80-119	11	1
Sodium	100	98.6	102	100	100	80-120	3.2	1(
Tin	0.50	0.499	0.524	0.511	102	80-120	4.8	2(
Vanadium	0.500	0.485	0.509	0.497	99	80-116	4.7	1(
Zinc	0.500	0.507	0.527	0.517	103	80-120	3.8	1

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-TAL-S			
Matrix: SOIL			
QC Lot: 02 FEB 95-9L QC Run: 02 FEB 95-9L			
Cadmium	ND	mg/kg	0.50
Chromium	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Lead	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0
Test: ICP-TAL-S			
Matrix: SOIL			
QC Lot: 02 FEB 95-9L QC Run: 02 FEB 95-9L			
Cadmium	ND	mg/kg	0.50
Chromium	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Lead	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0
Test: ICP-TAL-AT			
Matrix: AQUEOUS			
QC Lot: 03 FEB 95-9B QC Run: 03 FEB 95-9B			
Cadmium	ND	mg/L	0.0050
Chromium	ND	mg/L	0.010
Copper	ND	mg/L	0.020
Lead	ND	mg/L	0.050
Zinc	ND	mg/L	0.020
Test: ICP-TAL-S			
Matrix: SOIL			
QC Lot: 02 FEB 95-9L QC Run: 02 FEB 95-9L			
Cadmium	ND	mg/kg	0.50
Chromium	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Lead	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0

Quanterra
Environmental Services

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICP-TAL-S	040341-0009-SD	02 FEB 95-9L
MATRIX SPIKE	ICP-TAL-S	040341-0009-MS	02 FEB 95-9L

Quanterra
Environmental Services

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: ICP-TAL-S								
Matrix SOIL								
Sample: 040341-0009								
Units: mg/kg								
Cadmium	ND	3.9	3.1	5.0	5.0	77	62	22
Chromium	6.4	24.5	22.7	20.0	20.0	90	81	11
Copper	3.2	24.7	24.3	25.0	25.0	86	84	2
Lead	3.9 J	42.6	41.7	50.0	50.0	77	75	2
Zinc	14.4	55.8	53.6	50.0	50.0	83	79	5

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021503-01/18-A1-2 18
Lab ID: 040341-0001-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	01 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Brian Thomas Approved By: Jody Tolle

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021505-01/18-A1-6 18
Lab ID: 040341-0002-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	39.2	mg/kg	20.0	3550/418.1	NA	01 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Brian Thomas Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021509-01/18-A2-RBA 18
Lab ID: 040341-0005-EB
Matrix: AQUEOUS Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	03 FEB 95	03 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Scott Moroschan Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021510-01/18-A2-FBA 18
Lab ID: 040341-0007-FB
Matrix: AQUEOUS Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	03 FEB 95	03 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Scott Moroschan Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021514-01/18-A4-2 18
Lab ID: 040341-0011-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	697	mg/kg	20.0	3550/418.1	NA	01 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Brian Thomas Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021516-01/18-A4-6 18
Lab ID: 040341-0012-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	01 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Brian Thomas Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021517-01/18-A4-6D 18
Lab ID: 040341-0013-SA
Matrix: SOIL Sampled: 24 JAN 95 Received: 28 JAN 95
Authorized: 30 JAN 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	69.1	mg/kg	20.0	3550/418.1	NA	01 FEB 95

ND = Not detected
NA = Not applicable

Reported By: Brian Thomas Approved By: Jody Tolle

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040341-0001-SA	SOIL	TPH-IR-S	01 FEB 95-T6	01 FEB 95-T6
040341-0002-SA	SOIL	TPH-IR-S	01 FEB 95-T6	01 FEB 95-T6
040341-0005-EB	AQUEOUS	TPH-IR-A	03 FEB 95-M6	03 FEB 95-M6
040341-0007-FB	AQUEOUS	TPH-IR-A	03 FEB 95-M6	03 FEB 95-M6
040341-0011-SA	SOIL	TPH-IR-S	01 FEB 95-T6	01 FEB 95-T6
040341-0012-SA	SOIL	TPH-IR-S	01 FEB 95-T6	01 FEB 95-T6
040341-0013-SA	SOIL	TPH-IR-S	01 FEB 95-T6	01 FEB 95-T6

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 01 FEB 95-T6 Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1430	1470	1460	1460	102	75-123	0.7	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 03 FEB 95-M6 Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	22.4	23.0	22.7	114	64-111	2.6	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S			
Matrix: SOIL			
QC Lot: 01 FEB 95-T6 QC Run: 01 FEB 95-T6			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A			
Matrix: AQUEOUS			
QC Lot: 03 FEB 95-M6 QC Run: 03 FEB 95-M6			
Total Petroleum Hydrocarbons	ND	mg/L	1.0

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COC (9-94)

PAGE 1 2

AR/COC- 02555

Dept. No./Mail Stop: 7585 MS 1347
Project/Task Manager: Paula Slavin
Project Name: TA 3/6 RFI
Record Center Code: ER/1306 018/DAT
Logbook Ref No: SL - 1328
SMO Reference No.: 301455.152.02.000

Date Samples Shipped: 1/27/95
Carrier/Waybill No.: A44829
Lab Contact: Ellen La Riviere
Lab Destination: Quanterra / RMAL
SMO Contact/Phone: Pam Puissant
Send Report to SMO: Debrah Constant

Contract No.: 67-9736B
Case No.: 3617.300
SMO Authorization:
Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Location — Tech Area: III — Building: NA — Room: NA

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	6000/7000 Cu, Cd, Cr, Pb, Zn							4034	Lab Sample ID
021503-01	18-A1-2	2	18	1-24-95/0940	S	SL	16oz	4°C	G	SA	X	X								1
021505-01	↓ ↓-6	6	↓	1020	↓	↓	↓	↓	↓	↓	X	X								2
021506-01	18-A2-2	2		1135								X								3
021508-01	18-A2-6	6		1210								X								4
021509-01	18-A2-RBA	NA		1240	W	G	32oz	H_2SO_4/4°C		EB	X									5
021509-02	↓	↓		↓	↓	P	16oz	HNO_3/4°C		EB		X								6
021510-01	18-A2-FBA			1245		G	32oz	H_2SO_4/4°C		FB	X									7
021510-02	↓	↓		↓	↓	P	16oz	HNO_3/4°C	↓	FB		X								8
021511-01	18-A3-2	2		1330	S	SL	2x16oz	4°C		MS/MSD		X								9
021513-01	18-A3-6	6	↓	1350	S	SL	16oz	4°C	↓	SA		X								10

RMMA ☒ Yes ☐ No Ref. No. 18

Sample Disposal ☐ Return to Client ☒ Disposal by lab

Turnaround Time ☒ Normal ☐ Rush Required Report Date _____

Sample Tracking: Date Entered (mm/dd/yy): Entered by: QC Inits:

Special Instructions/QC Requirements
- List as separate report
- MS/MSD on Sample 021511-01
- Send copy of Report to Paula Slavin at Fax # (505) 848-0417

Abnormal Conditions on Receipt:

Sample Team Members	Name	Signature	Init	Company/Organization
	Tim Jackson	T. Jackson	TJ	IT CORP

	Org.	Date	Time
Relinquished by	ITC	1-24-95	1610
Received by	7576	1-24-95	1610
Relinquished by	7576	1-27-95	1400
Received by	QESIN	1/28/95	0930
Relinquished by			
Received by			

	Org.	Date	Time
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

WHITE - To Accompany Samples, Laboratory Copy BLUE - To Accompany Samples, Return to SMO YELLOW - SMO Suspense Copy PINK - Field Copy

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COD (9-94)

AR/COC- 02555

Project Name: TA 3/5 RFI - SITE 18 Project/Task Manager: Paul Gladjim Case No.: 3617300

Location Tech Area III

Building NA Room NA

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	TPH (418.1)	TPH (6000/7000) Volatiles Pb Zn								Lab Sample ID
021514-01	18-A4-2	2	18	1-24-95/1400	S	SL	16oz	4°C	G	SA	X	X								
021516-01	18-A4-6	6	↓	↓/1420	↓	↓	↓	↓	↓	SA	X	X								
021517-01	18-A4-6D	6	↓	↓/1445	↓	↓	↓	↓	↓	DU	X	X								

LAST LINE

TA 1-24-95

LAB USE

Abnormal Conditions on Receipt

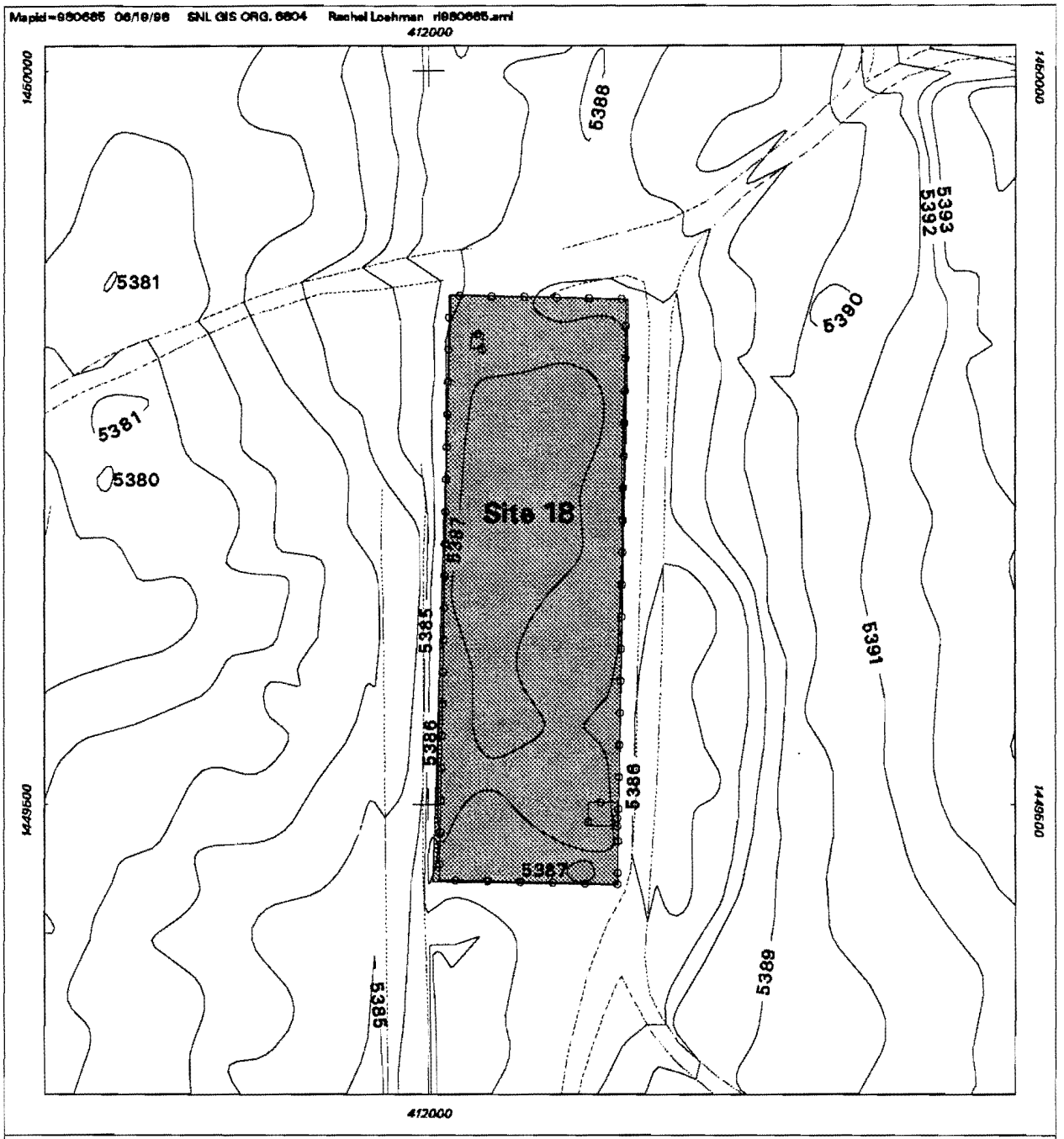
Received by: QES Project Manager 1/25/95 0930

Recipient Initials

WHITE - To Accompany Samples, Laboratory BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Expense Copy PINK- Field Copy

Attachment 18-2

Figure showing grade of ER Site 18, Concrete Pad



Legend

- Road
- Fence
- 1 Foot Contour
- ER Site 18

Elevation Contours of Concrete Pad and Area at ER Site 18, TA-III

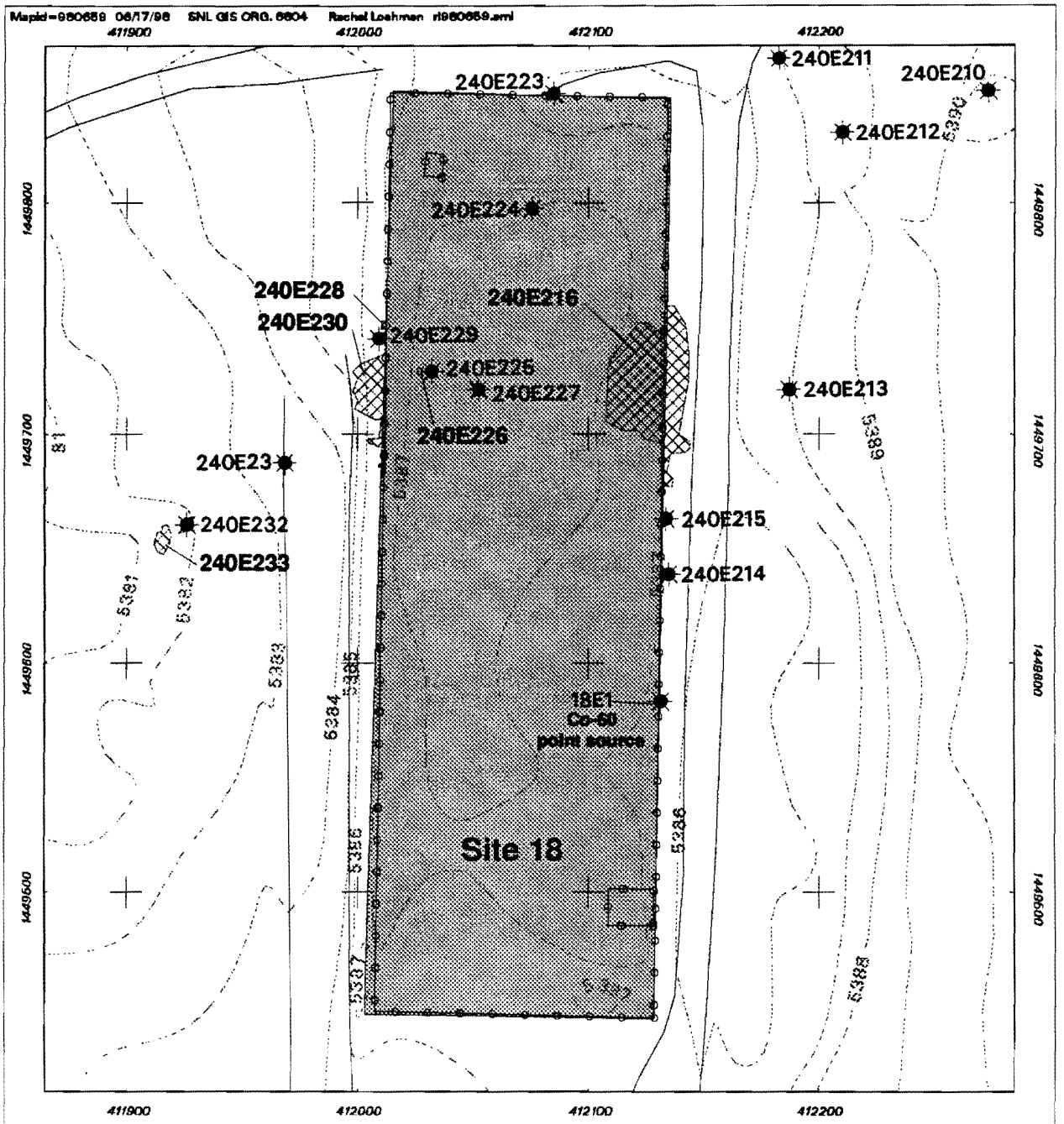
0 55 110
Scale in Feet

0 13.2 26.4
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Attachment 18-3

Figure: Location of Surface Radiation Anomalies at ER Site 18, TA-III Surface Gamma Radiation VCM Report Section on ER Site 18



Legend

- Radiation Point Source
- Road
- Fence
- 1 Foot Contour
- ER Site 18
- Surface Radiation Anomaly Area Source

Location of Surface Radiation Anomalies at ER Site 18, TA-III

0 35 70
Scale in Feet

0 8.4 16.8
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

SAND97-2320/1
Unlimited Release
Printed September 1997

Distribution
Category UC-902

Final Report, Survey and Removal of Radioactive Surface Contamination at Environmental Restoration Sites, Sandia National Laboratories/New Mexico

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Albuquerque, NM 87185-1148

ABSTRACT

This report describes the survey and removal of radioactive surface contamination at Sandia's Environmental Restoration (ER) Sites. Radiological characterization was performed as a prerequisite to beginning the Resource Conservation and Recovery Act (RCRA) corrective action process. The removal of radioactive surface contamination was performed in order to reduce potential impacts to human health and the environment. The predominant radiological contaminant of concern was depleted uranium (DU). Between October 1993 and November 1996 scanning surface radiation surveys, using gamma scintillometers, were conducted at 65 sites covering approximately 908 acres. A total of 9,518 radiation anomalies were detected at 38 sites. Cleanup activities were conducted between October 1994 and November 1996. A total of 9,122 anomalies were removed and 2,072 waste drums were generated. The majority of anomalies not removed were associated with a site that has subsurface contamination beyond the scope of this project. Verification soil samples (1,008 total samples) were collected from anomalies during cleanup activities and confirm that the soil concentrations achieved in the field were far below the target cleanup level of 230 pCi/g of U-238 (the primary constituent of DU) in the soil. Cleanup was completed at 21 sites and no further radiological action is required. Seventeen sites were not completed since cleanup activities were precluded by ongoing site activity or were beyond the original project scope.

Disposal of regulated VCM waste was handled by SNL/NM Department 7577 (Waste Operations), which packaged and secured waste drums for transfer to Envirocare of Utah. Nonregulated waste was disposed of using standard SNL/NM-approved waste disposal methods.

Conclusions

All point and area sources of gamma activity 30 percent or greater than the natural background were removed from the site. Further radiological characterization is planned to determine whether or not plutonium isotopes are present in the remaining soil. Risk assessment will be conducted once the additional radiological characterization and, if necessary, source removal is performed. Source removal is summarized in Table 5.2.5.

Table 5.2.5 Summary of Point and Area Source Removal at ER Site 44B

Anomaly Type	Total Identified	Total Removed	Comments
Point Source	1	1	Additional characterization is required to determine whether or not plutonium isotopes are present in remaining soils
Area Sources	2	2	

No additional cleanup activities were performed during this VCM. The status of other possible COCs is not addressed in this report.

All waste was characterized as "Radioactive-Low Level Only" and managed in accordance with SNL/NM Department 7572 (Waste Management) procedures.

5.3. Technical Areas III/V OU Sites (ADS 1306)

5.3.1. Concrete Pad (ER Site 18)

Overview

The Phase I survey at ER Site 18 was conducted in March 1994 and covered a total of 1.9 acres of flat alluvial terrain. A concrete pad approximately 120 by 400 feet is located on the area covered by the survey. A gamma scan survey was performed at 6-foot centers (100 percent coverage) over approximately one-half of the site. One soil point source of gamma activity 30 percent or greater than the natural background was identified during this survey on the east edge of the pad. A detailed summary of the surface radiological survey and the anomaly found at the site is presented in Section 5.3.1 of the Surface Gamma Radiation Surveys Final Report (Geotech 1994b).

Figure 5.3.1 shows the site, surface radiological survey boundaries, and anomaly found during the Phase I survey and VCM verification sampling locations (post-cleanup).

INFORMATION ONLY

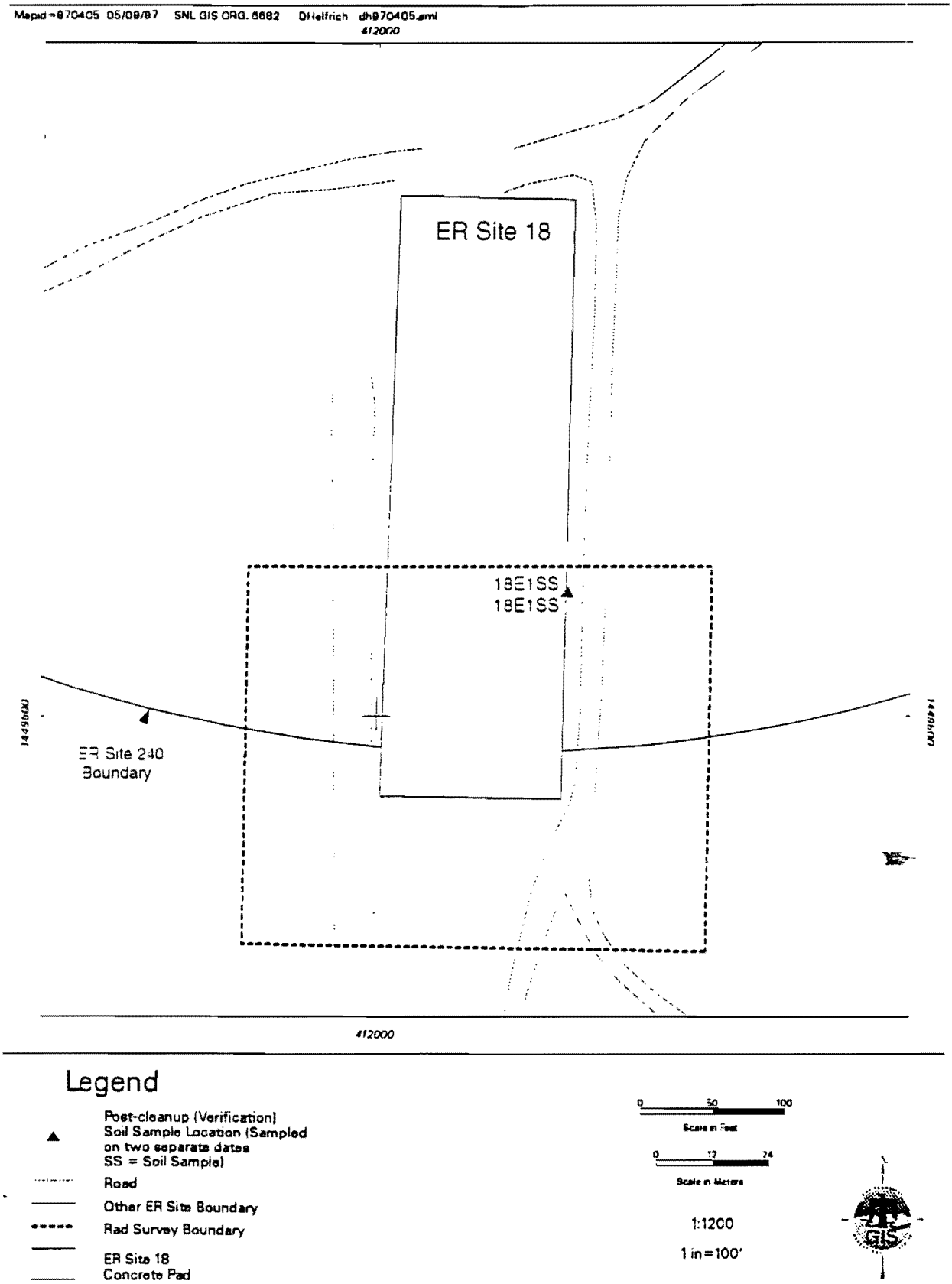


Figure 5.3.1 Phase I Survey Radiation Anomalies and VCM Surface Soil Sampling Locations at ER Site 18

VCM activities were conducted during August 1994. Resurveying (scanning) was not performed at the site. In May 1996, at the request of SNL/NM personnel, an additional gamma survey was conducted, and a soil sample was collected at the point source location identified during the Phase I survey.

Cleanup activities included radiation scanning to verify the anomaly location, removal of soil until readings were less than 1.3 times site-specific background levels, and post-cleanup (verification) soil sampling for gamma spectroscopy analysis (see Section 3.1). Table 5.3.1 summarizes field activities during the VCM.

Table 5.3.1 Summary of Field Activities at ER Site 18

			Removal Action Procedures	
Actual Acreage Surveyed	Duration of Cleanup (days)	Verify Anomaly Location	Rad Removal[a]	Post-Cleanup Sampling
1.90	0.25	X	X	X

[a] Removal of fragment and/or soil until readings are less than 1.3 times site-specific background

Findings and Observations

Point and Area Source Status

Cleanup was completed on one point source during the TRA. No visible evidence of DU was observed, and no additional anomalies were detected. After cleanup of this point source, a gamma scan was performed, and readings were slightly elevated, but less than 30 percent above background levels. To determine if these elevated gamma readings were the result of geometry within the point source excavation, a test hole approximately the same size as this excavation was completed in a clean background area. Gamma readings from this test hole indicated gamma activity at natural background levels.

The results of gamma spectroscopy analysis on post-cleanup soil samples collected from the point source in August 1994 indicated elevated levels of Co-60. In May 1996, an additional gamma scan and soil sampling for gamma spectroscopy analysis were performed on the point source location. Gamma readings at this location were slightly greater than 30 percent above natural background levels. The soil sample was collected from the place with the highest gamma reading within the point source location. Gamma spectroscopy results of this additional sample indicated elevated levels of Co-60.

Post-Cleanup (Verification) Sample Results

After the removal of radiologically contaminated soils, three post-cleanup (verification) samples (two in August 1994 and one in May 1996) were collected from areas exhibiting the highest residual gamma radiation readings. Gamma spectroscopy analysis was performed on the samples to verify that the residual radionuclide concentrations met risk-based action levels. The radiological COC was Co-60. Table 5.3.2 shows the post-cleanup (verification) samples collected at the site, and the maximum level of residual radiological COCs in soil is presented in Table 5.3.3.

The uncertainties associated with this assessment are considered small because of the location and history of the site. There is low uncertainty in the future land-use and the potentially affected populations considered in making the risk assessment analysis. An RME approach was used to calculate the risk assessment values. As a result, the parameter values used in the calculations were conservative, and the calculated intakes are likely overestimates. An example of this conservatism lies in the area assumed to be contaminated. Although only one small area of Co-60 was detected, the entire pad and perimeter soils were assumed to be impacted. Maximum measured, decay corrected concentrations of the COCs were used to provide conservative results. Because the COCs were found in the surface soils and because of the location and physical characteristics of the site, there is little uncertainty in the exposure pathways relevant to the analysis.

The cleanup activities produced soil and PPE wastes. No metal fragment waste was generated. All waste was containerized in either 30-gallon or 55-gallon drums. A total of two waste drums were generated during cleanup activities: one soil drum and one PPE drum. Table 5.3.4 shows the number of waste drums produced at the site.

Table 5.3.4 Summary of Waste Drums for ER Site 18

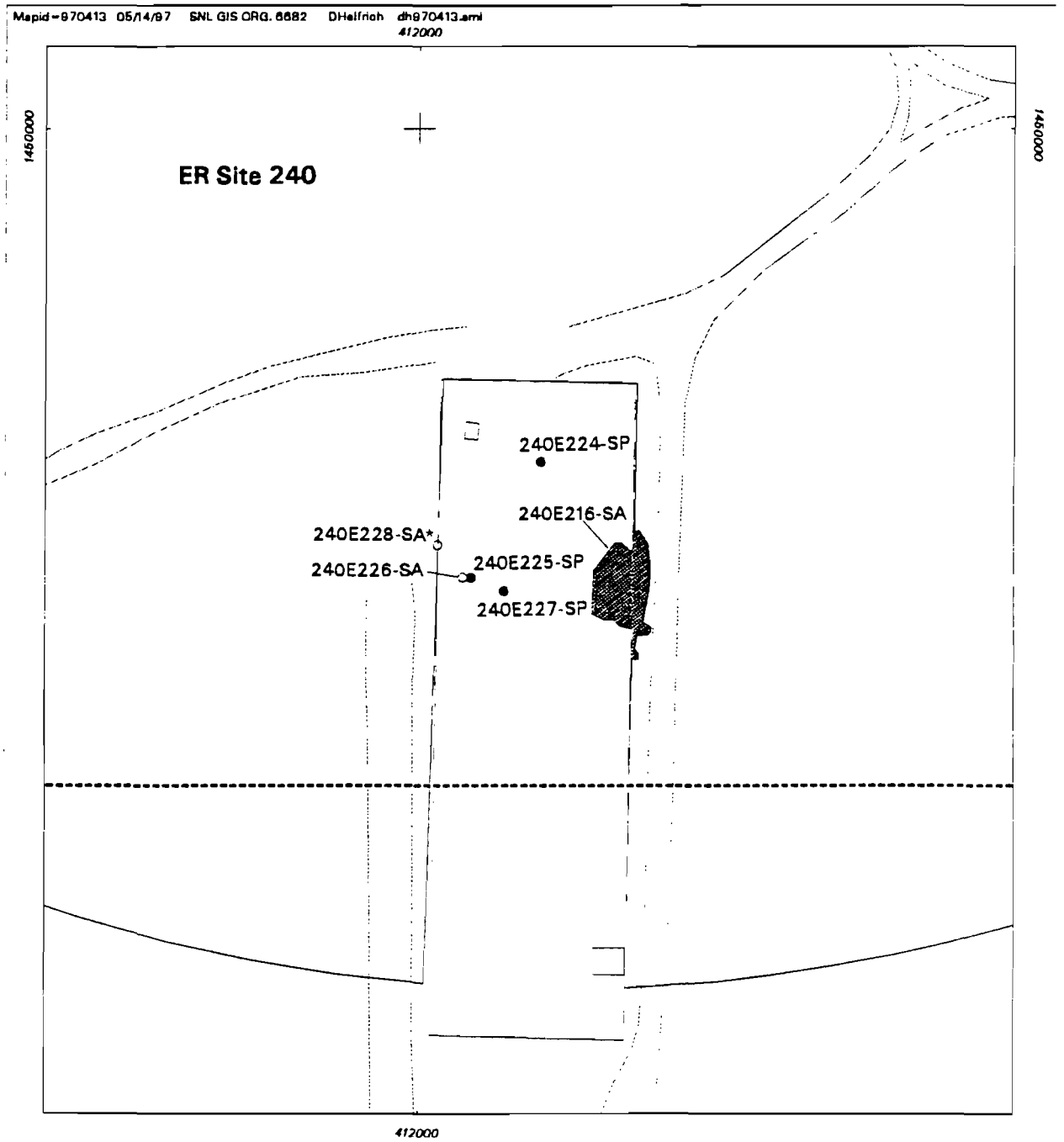
Soil Waste		Metal Fragment Waste		PPE Waste			
30 Gallon Drums	55 Gallon Drums	30 Gallon Drums	55 Gallon Drums	30 Gallon Drums	55 Gallon Drums	TCLP/ Gamma Spec Samples	Comments
0	1	0	0	1	0	1 Soil	

One soil sample was collected from the soil waste drum and analyzed for gamma emitters using standard laboratory gamma spectroscopy methods and for leachable RCRA metals using TCLP analytical procedures. Mercury was identified as a COC and was included in the TCLP analysis. All samples passed the TCLP tests, and all waste was characterized as "Radioactive-Low Level Only." A summary of radiological activity for the waste is presented in Appendix G.

Disposal of regulated VCM waste was handled by SNL/NM Department 7577 (Waste Operations), which packaged and secured waste drums for transfer to Envirocare of Utah. Nonregulated waste was disposed of using standard SNL/NM-approved waste disposal methods.

Conclusions

The point source of gamma activity 30 percent or greater than the natural background was removed from the site. A radiological risk assessment was performed assuming both an industrial and a residential (loss of active control measures) land-use scenario, and using site-specific input parameters. The risk assessment shows the potential effects on human health due to exposure to radionuclides at the site are within proposed standards when considering both land-use scenarios. Source removal is summarized in Table 5.3.5.



Legend

- Point Source Gamma Radiation Anomaly, No Cleanup Attempted (SP = Soil Point)
- Road
- Building/Structure
- Rad Survey Boundary
- ER Site 240 Short Sled Track
- Area Source Gamma Radiation Anomaly (* = Attempted but Not Complete, SA = Soil Area) (○ = Area Source < 80 sq. ft.)

0 50 100
Scale in Feet

0 12 24
Scale in Meters

1:1200

1 in=100'

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Figure 5.3.9 Radiation Anomalies Remaining After Completion of the VCM at ER Site 240

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Final Report, Survey and Removal of Radioactive Surface Contamination at Environmental Restoration Sites, Sandia National Laboratories/New Mexico

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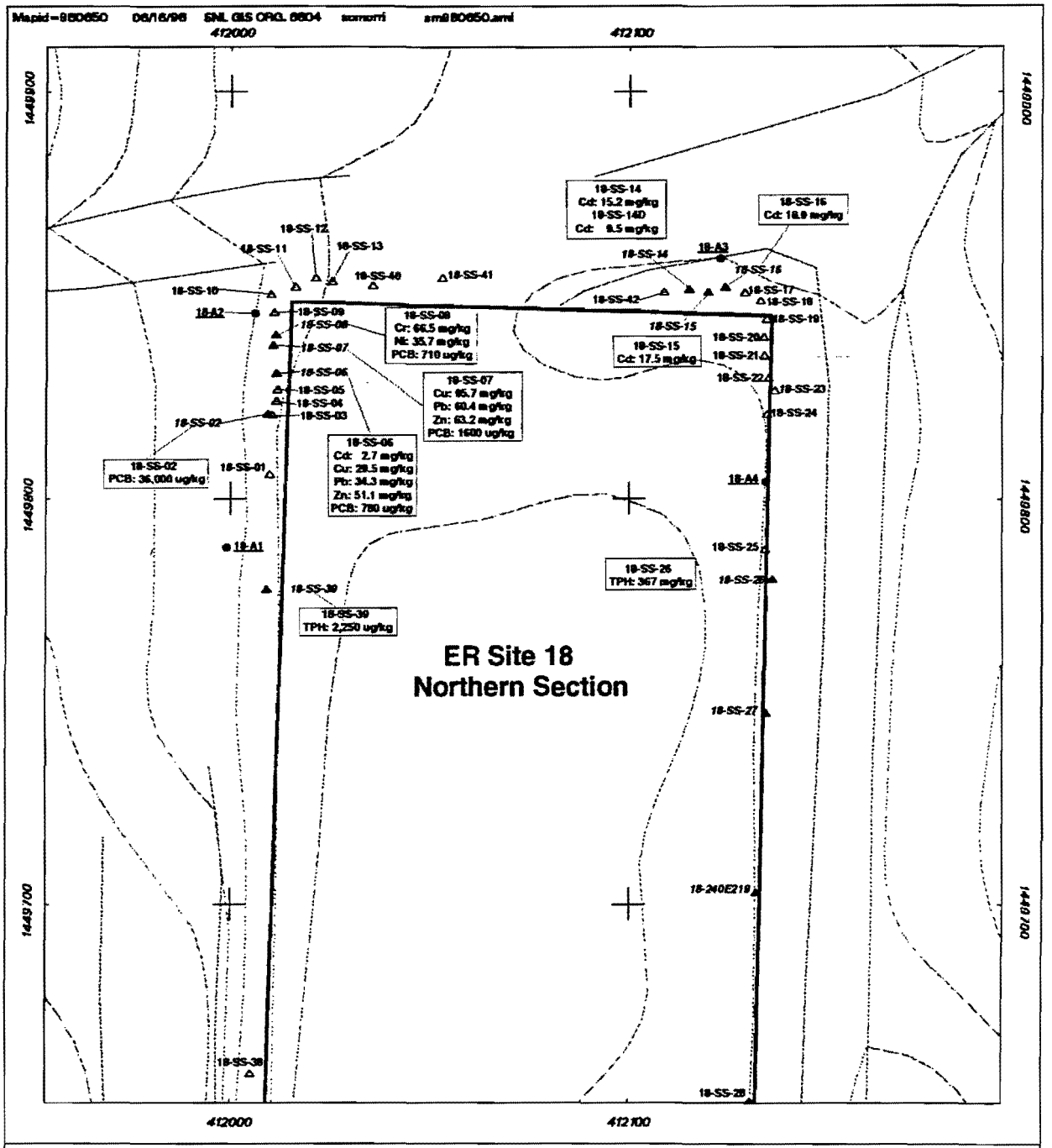
ABSTRACT

This report describes the survey and removal of radioactive surface contamination at Sandia's Environmental Restoration (ER) Sites. Radiological characterization was performed as a prerequisite to beginning the Resource Conservation and Recovery Act (RCRA) corrective action process. The removal of radioactive surface contamination was performed in order to reduce potential impacts to human health and the environment. The predominant radiological contaminant of concern was depleted uranium (DU). Between October 1993 and November 1996 scanning surface radiation surveys, using gamma scintillometers, were conducted at 65 sites covering approximately 908 acres. A total of 9,518 radiation anomalies were detected at 38 sites. Cleanup activities were conducted between October 1994 and November 1996. A total of 9,122 anomalies were removed and 2,072 waste drums were generated. The majority of anomalies not removed were associated with a site that has subsurface contamination beyond the scope of this project. Verification soil samples (1,008 total samples) were collected from anomalies during cleanup activities and confirm that the soil concentrations achieved in the field were far below the target cleanup level of 230 pCi/g of U-238 (the primary constituent of DU) in the soil. Cleanup was completed at 21 sites and no further radiological action is required. Seventeen sites were not completed since cleanup activities were precluded by ongoing site activity or were beyond the original project scope.

Attachment 18-4

Figure 3-4a: Northern Section of ER Site 18, Extent of Select Metals, TPH, and PCBs in Surface Soils

Figure 3-4b: Southern Section of ER Site 18, Extent of Select Metals, TPH, and PCBs in Surface Soils



Legend

- 18-A3 — Soil Boring
- 18-SS-41 — Field Screened Sample
- 18-SS-02 — Off-Site Lab Sample
- Road
- 1 Foot Contour
- ER Site 18

Figure 3-4a
Northern Section of ER Site 18
Extent of Select Metals, TPH, and PCBs in Surface Soils (Pre-VCM)

0 20 40
Scale in Feet

0 4.8 9.6
Scale in Meters

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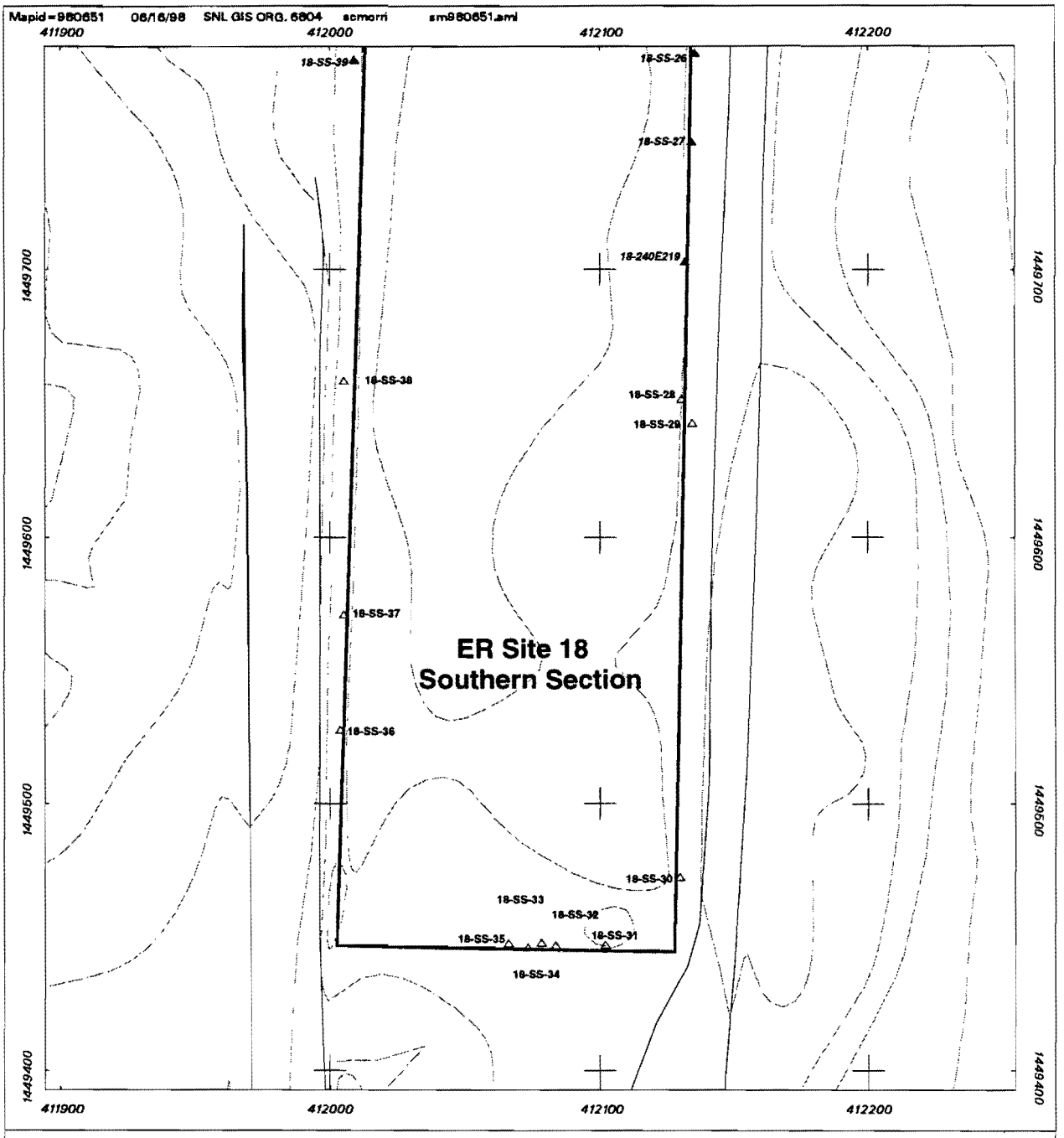

Legend

- 18-A3 — Soil Boring
- 18-SS-41 — Field Screened Sample
- 18-SS-02 — Off-Site Lab Sample
- Road
- 1 Foot Contour
- ER Site 18

Figure 3-4b
Southern Section of ER Site 18
Extent of Select Metals, TPH, and PCBs in Surface Soils (Pre-VCM)

0 30 60
Scale in Feet

0 7.2 14.4
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Attachment 26-1

Portion of "Magnetometry and Radar Evaluation of Toxic and Hazardous Waste Sites at the Sandia National Laboratory" Final Report April 30, 1992

Magnetic and Electromagnetic Surveys of Site 26: Burial Site, Technical Area III, Sandia National Laboratories (November 1994)

Magnetometry & Radar Evaluation of Toxic and Hazardous Waste Sites at The Sandia National Laboratory

Final Report
30 April 1992

DEVELOPING TECHNOLOGY FOR ENVIRONMENTAL RESTORATION

APPENDIX C.

Appendix C contains a report of the surveys carried out in TA-3, Site 26, The Long Sled Track. This work was carried out using hand held magnetometers and traditional Explosive Ordnance Disposal techniques. Traditionally, an EOD survey consists of the following steps:

- a walk over evaluation of the area of interest to determine whether any special conditions exist (*i.e.* dangerous exposed ordnance, surface clutter or other hazards);
- a surface cleaning to remove interfering ferrous clutter;
- layout of a grid structure to aid in the walking straight lines and to improve coverage;
- conduct of the survey using two persons, one to man and monitor the magnetometer, the second to flag or dig up the targets or, in this case, to record the coordinates of the observed hits and comments of the operator;
- organization of the data and preparation of the survey report which may consist of sketches or maps of the site with located targets and a target table which lists coordinates of the targets and comments and observations.

The following account is the Survey Report prepared by GeoCenters personnel who conducted the survey. It will serve as a means of comparison of the techniques and results of a traditional magnetometer survey with the automated surveys which were reported earlier in this document. The conduct of the Site 26 survey required approximately 100 man hours labor to prepare for and conduct the survey and about 20 hours to process the data and write the report.

2. RADAR Survey of Site 44.

The decontamination site and uranium calibration pits, Site 44, was surveyed by RADAR on December 12, 1991 in two parts. The first ten tracks were acquired over the recently buried calibration drums. The first part of the Site 44 survey then began with track eleven. All site survey data was acquired driving alternately south to north then north to south beginning in the southwest corner. Adjacent tracks were spaced every 3m (10 feet) to the east and continued east to the calibration drum site, just west of trailer MO129. This part of the survey is designated TA2C. The survey continued from the east side starting in the southeast corner. Adjacent tracks were spaced every 3m (10 feet) to the west. This part of the survey was designated TA2D. Figure 41 shows the RADAR traverses for the survey designated TA2C are overlaid on the STOLS magnetic anomaly image. Time and resources have not permitted analysis of the RADAR data for this site. The raw, and preprocessed GPR data are available as data files for future analysis.

E. RADAR Survey of the Southern Sled Track Site in TA-3

The southern end of The Sled Track Site in Technical Area 3 was surveyed on December 14, 1991. All data in this site were acquired driving south to north beginning in the southwest corner. Adjacent tracks moved 3m (10 feet) east over an area 20m (66 feet) wide by 53m (174 feet) long. Data from this survey is designated TA3S. No RADAR traverse map was generated for this site.

A total of six RADAR tracks were acquired over an area 20m (66 feet) wide by 53m (174 feet) long. This site corresponded to the northern most grid that was hand surveyed as described in Appendix C. All RADAR data were acquired with tracks running south to north beginning in the southwest corner. A large feature, roughly 18m (59 feet) long and 1m (3.3 feet) deep is shown in Figure 42. This same large feature was also detected in adjacent lines 3 and 2 to the west with the feature location further south.

The south and north trench edges for this feature were detected as far east as line 6 indicating that the trench was probably dug from the east. The target report for this Site is included in Table A-6 in Appendix A. It should be noted that for this survey, antenna B (second from port) was not operating properly, and this data track was lost. The navigation beacon locations for this site were poorly marked because we intended to return to the site the following day with STOLS at which time we would have surveyed the beacons to permanent landmarks. Time did not allow a return to the site.

Sandia National Laboratories

Environmental Restoration Site 26

Magnetometer Survey Report

25 March 1992

Prepared by
GEO-Centers, Inc.

Sandia National Laboratories
Environmental Restoration Site 26
Magnetometer Survey Report

A. INTRODUCTION

This report contains the results of a magnetometer survey conducted on the western boundary of sector TA-3 adjacent to the Long Sled Track, Environmental Restoration (ER) Site 26, Sandia National Laboratories (SNL), during the period 2 December through 11 December 1991.

The FEREX 4.021 Search Instrument was utilized to conduct this survey. The FEREX 4.021 (Mk 26 Ordnance Locator - military version) is an efficient, man-portable, battery-operated gradiometer used for the location of ferromagnetic items buried in the ground or underwater. It is capable of detecting a 20 mm projectile at 6 inches to the detection of a Mk 82, 500 lb bomb, at 15 feet.

Approximately 4.93 acres were surveyed during this operation. The survey area was separated into three distinct areas:

- Area 1: 1.04 acres located near the end of the sled track (see figure 1).
- Area 2: 1.32 acres located on the south side of the road perpendicular to the south side of the sled track, hereafter referred to as "S" Site (see figures 2 and 2A through 2A3).
- Area 3: 2.57 acres located on the north side of the road perpendicular to the south side of the sled track, hereafter referred to as "N" Site (see figures 2 and 2B through 2B2).

B. BACKGROUND

Environmental Restoration Site 26 encompasses an area around the Long Sled Track in the northwest section of TA-3. Located within this area are suspected Radiation Burial/Splatter locations.

Events leading to the performance of this survey included a personal interview that was conducted with a retired Sandia National Laboratories (SNL) employee. The SNL employee stated that potentially radioactive equipment was buried near the TA-3 salvage area, west of the Long Sled Track (NW TA-3) and approximately 500 ft SW of the Long Sled Track impact area. The waste material was buried approximately 20 years ago in unlined trenches and natural

depressions. Other SNL employee interviews revealed that radiation surveys were performed in the 1970's and 1980's. The surveys indicated that radiation levels on the surface soil were at or near background levels, however no documentation of these RAD surveys has been found.

In addition to the buried waste, U238 contamination is possible near and around the sled impact area. Larger depleted uranium sources were removed by the SNL Health physics Department, however, buried or smaller particulate forms of U238 may still be present. Depleted uranium is a low level alpha, beta, and gamma emitter and as such does not present an appreciable external hazard. The U238 does present an internal hazard upon inhalation or ingestion. Although U238 in a non-airborne state is being considered a low hazard, precautions for equipment and personnel contamination are being taken.

This survey was undertaken in an attempt to locate within the described areas any large concentrations of ferromagnetic material, which could indicate the presence of something such as burial pits or large chunks of debris.

C. TECHNOLOGY

The FEREX 4201 Search Instrument, military version - Mk 26 Ordnance Locator, is used to search for and locate magnetic objects which are buried in the ground or underwater. The following is a brief operating description of the FEREX 4201 Search Instrument.

A ferromagnetic object which is located within the earth's uniform magnetic field becomes magnetized. As a result, the object produces in its vicinity a magnetic interference field, which is superimposed on the earth's magnetic field. This interference field can be detected and measured with a difference field measuring device, hence, a gradiometer. The magnetic fields are measured with FORESTER probes. The field measurement procedures uses a core of a high-permeable material, which is surrounded by a coil energized with an alternating current, as its measuring element. The alternating current intensity used is so large that the iron core is magnetized to the saturation point. Voltages which are proportional to the external magnetic field are induced in a second coil which surrounds the core. Two such probes, which are arranged at a fixed distance from each other, are used in a difference field measuring device. If the magnetic field at these two points is different as a result of interference fields, the field difference is shown by a defined deflection on the instrument meter and an increase in volume and frequency of clicks. The instrument can be used to pin-point the center of the interference; the magnetic object.

D. FIELD SITE SURVEY

During the survey, there were numerous contact with the FEREX 4201 throughout all

three search areas. Contacts that were logged were deemed significant enough for recording for possible future exploitation. Each area will be explained individually as follows:

Area 1: This area of 1.04 acres was further divided into subareas A through E (Figure C-1). Scattered throughout the areas on the surface was a large amount of ferrous debris. The area was initially cleared by hand of all small and medium metallic pieces, enough to partially fill two (2) 55-gallon drums. The geological formations in the area and the residue of remaining smaller debris made surveying the area difficult. The first major anomaly was detected in the lower corner of Area B. It was revealed that the metallic object(s) were actually protruding out of the ground within the 25 ft diameter circle. The search instrument remained saturated throughout this circle. The second major anomaly was located extending from Area D into Area E in the form of a "dog-leg". This area also caused a complete saturation of the search instrument along the path indicated in the figure.

Area 2: This area, 1.32 acres, was located on the south side of the road that was perpendicular to the Sled Track. For the ease of definition, the area was further broken down into three sections; lower, middle, and upper (see figures C-2A through C-2A3). There were a total of 46 significant contacts within this area.

Area 3: This area, 2.57 acres, was located on the north side of the road that was perpendicular to the Sled Track. For the ease of definition, the area was further broken down into three sections; lower, middle, and upper (see figures C-2B through C-2B2). There were a total of 27 significant contacts within this area. There were not contacts within the upper section of this area.

Table C-1. Target Report from the Magnetic Survey of the "S/N" Site in TA-3.
Sandia "S/N" Site Contacts

Target #	X(m)	Y(m)	Section	Section
1	9.8	17.0	S Field	Lower
2	12.4	22.0	S Field	Lower
3	4.0	25.4	S Field	Lower
4	1.8	26.7	S Field	Lower
5	2.2	32.3	S Field	Lower
6	9.5	42.0	S Field	Lower
7	3.3	45.7	S Field	Lower
8	7.2	46.5	S Field	Lower
9	2.8	54.5	S Field	Lower
10	11.7	58.5	S Field	Lower
11	10.0	85.2	S Field	Lower
12	16.5	88.0	S Field	Lower
13	4.2	89.3	S Field	Lower
14	17.0	90.5	S Field	Lower
15	13.3	92.6	S Field	Lower
16	8.0	99.0	S Field	Lower
17	15.4	100.4	S Field	Middle
18	4.4	102.7	S Field	Middle
19	7.3	106.0	S Field	Middle
20	17.0	106.2	S Field	Middle
21	12.4	108.0	S Field	Middle
22	5.7	114.0	S Field	Middle
23	9.6	125.0	S Field	Middle
24	5.3	170.7	S Field	Middle
25	3.9	175.0	S Field	Middle
26	8.4	176.8	S Field	Middle
27	15.6	176.8	S Field	Middle
28	5.2	178.6	S Field	Middle
29	3.0	181.0	S Field	Middle
30	3.8	184.0	S Field	Middle
31	5.7	184.0	S Field	Middle
32	10.3	184.0	S Field	Middle
33	16.8	186.2	S Field	Middle
34	6.2	192.0	S Field	Middle

TABLE C-1 Sandia "S/N" Site Contacts - Continued

Target #	X(m)	Y(m)	Site	Section
35	4.0	193.0	S Field	Middle
36	1.6	194.0	S Field	Middle
37	3.4	196.8	S Field	Middle
38	2.0	202.2	S Field	Upper
39	12.8	203.9	S Field	Upper
40	17.0	203.9	S Field	Upper
41	4.4	207.5	S Field	Upper
42	2.7	208.0	S Field	Upper
43	1.9	209.8	S Field	Upper
44	1.4	208.0	S Field	Upper
45	6.3	208.0	S Field	Upper
46	5.5	230.0	S Field	Upper
47	23.5	2.0	N Field	Lower
48	37.5	6.0	N Field	Lower
49	23.0	16.0	N Field	Lower
50	42.0	18.0	N Field	Lower
51	34.0	21.0	N Field	Lower
52	26.5	23.0	N Field	Lower
53	26.5	26.0	N Field	Lower
54	22.5	40.0	N Field	Lower
55	36.0	40.0	N Field	Lower
56	26.0	64.5	N Field	Lower
57	34.0	64.5	N Field	Lower
58	23.0	84.0	N Field	Lower
59	31.0	84.0	N Field	Lower
60	56.1	84.0	N Field	Lower
61	31.9	96.6	N Field	Lower
62	56.0	97.0	N Field	Lower
63	56.0	107.0	N Field	Middle
64	55.5	110.0	N Field	Middle
65	34.5	122.0	N Field	Middle
66	32.0	132.5	N Field	Middle
67	29.5	145.0	N Field	Middle
68	31.5	149.0	N Field	Middle

TABLE C-1 Sandia "S/N" Site Contacts - Continued

Target #	X(m)	Y(m)	Site	Section
69	31.8	157.0	N Field	Middle
70	30.0	171.0	N Field	Middle
71	31.0	177.0	N Field	Middle
72	29.5	181.0	N Field	Middle
73	29.5	186.0	N Field	Middle

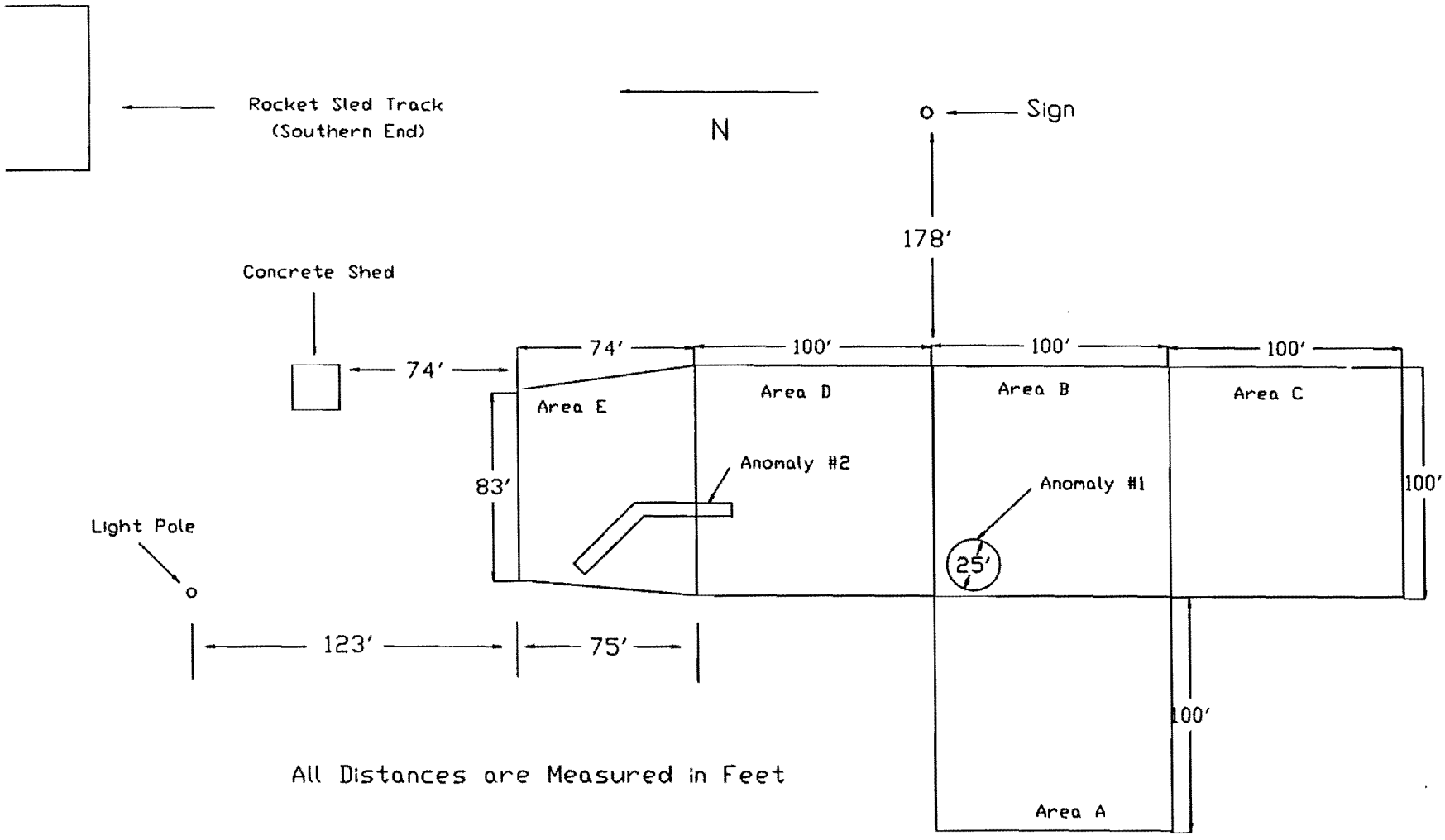

Figure C-1. The Survey area at the south end of the Sled Track. Shown are local landmarks and the five quadrants set up for the survey. Two extended targets are labeled as Anomaly #1 and Anomaly #2. Measurements are given in feet.

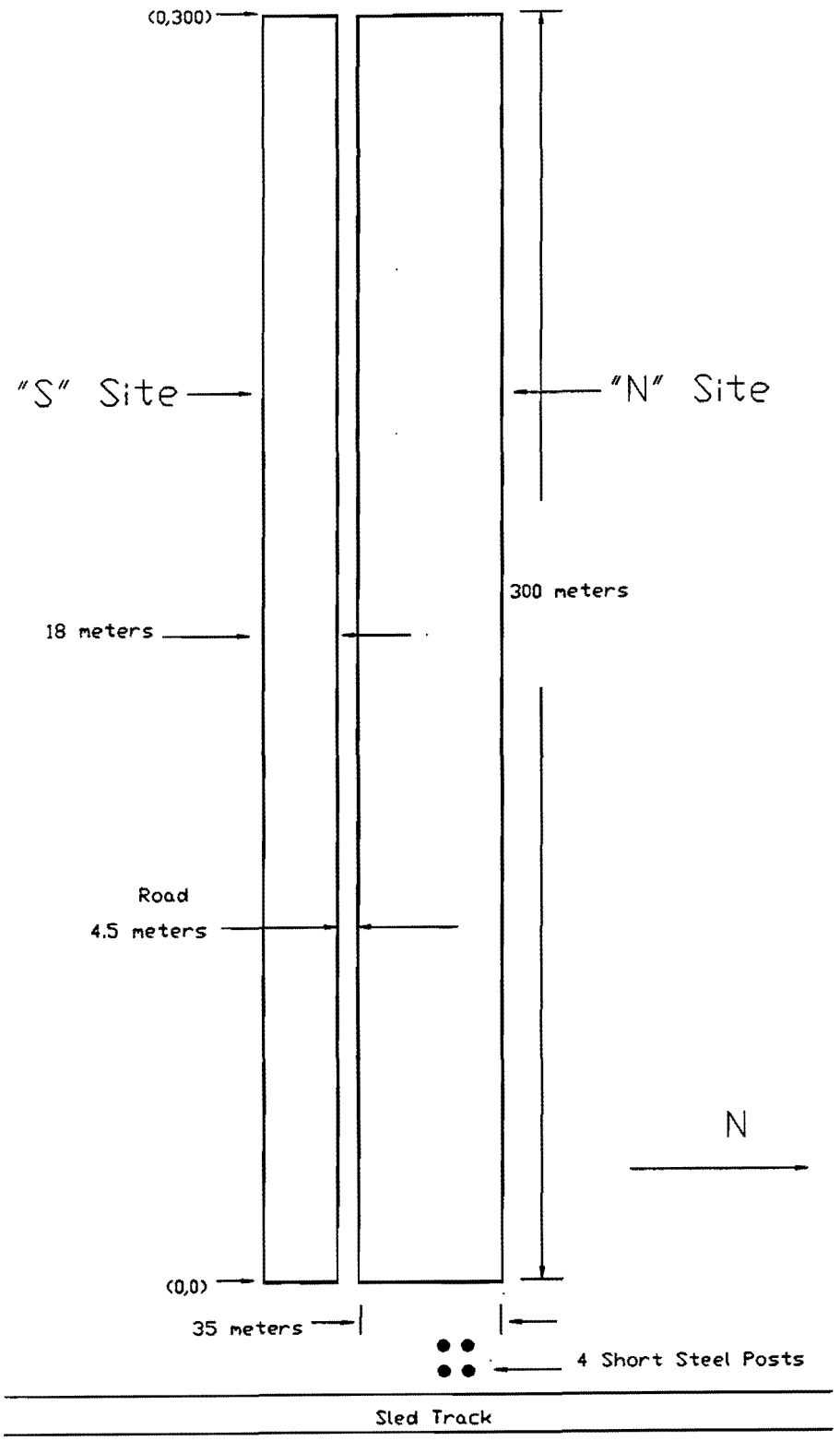

Figure C-2. The Survey Area at the midpoint of the Sled Track in TA-3. The site is divided into missions north of the road ("N" Site) and south of the road ("S" Site).

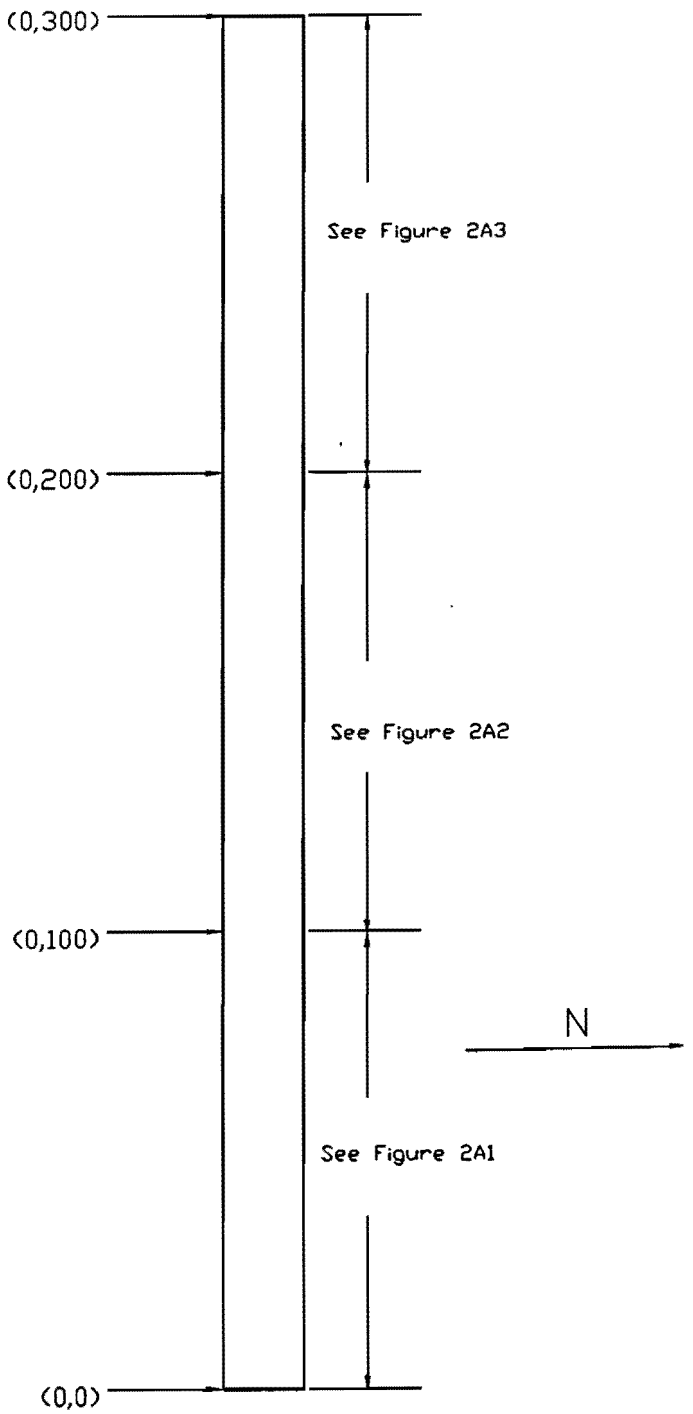

Figure C-3. Sketch of the "S" site Mission shown in Fig. 2 The Mission is broken into three quadrants identified as 2A1, 2A2 and 2A3.

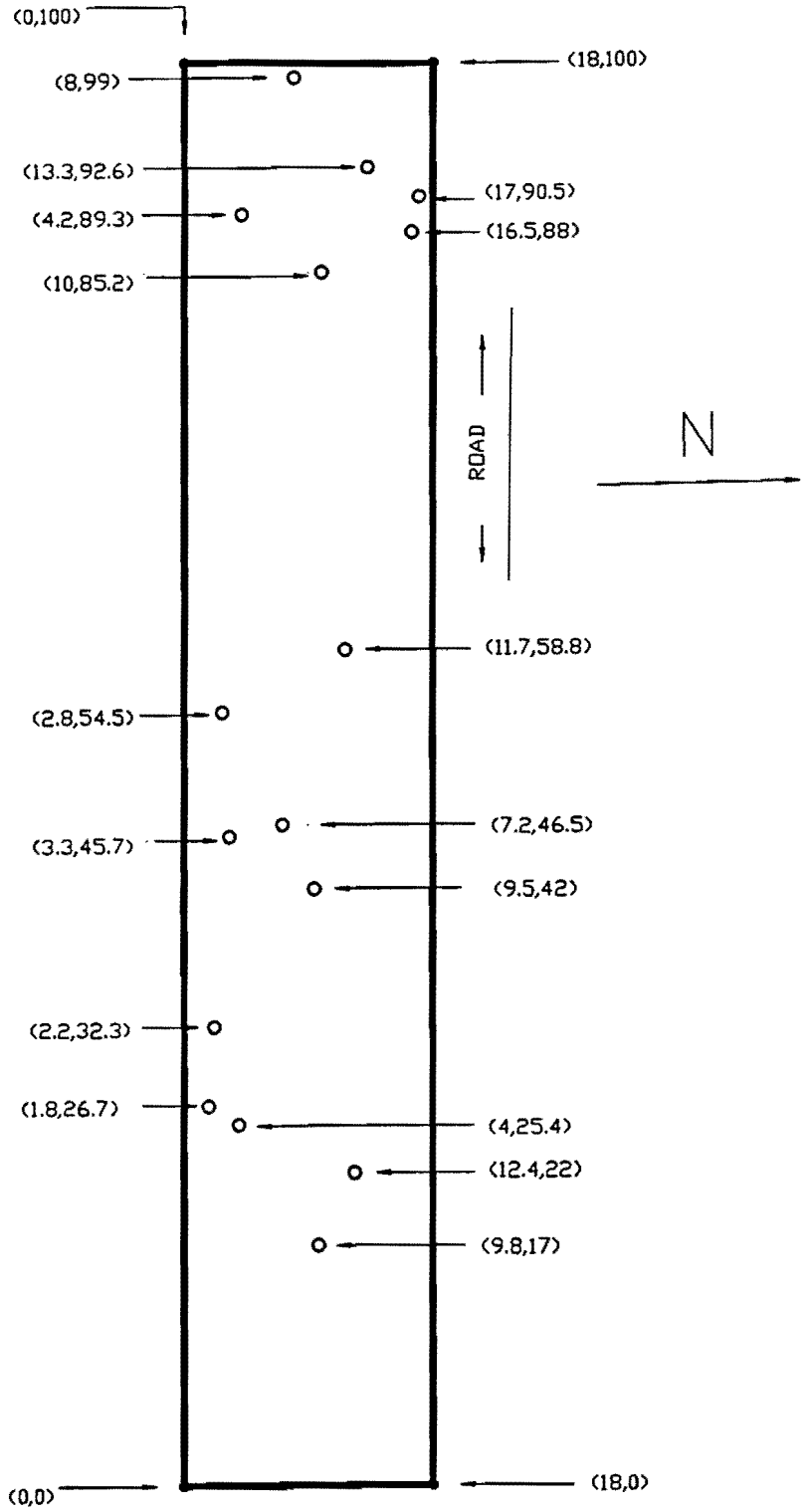

Figure C-4. Quadrant 2A1 from the "S" site Mission. See Fig. C-2 and C-3 which define the site. Targets are identified and their coordinates in meters are noted.

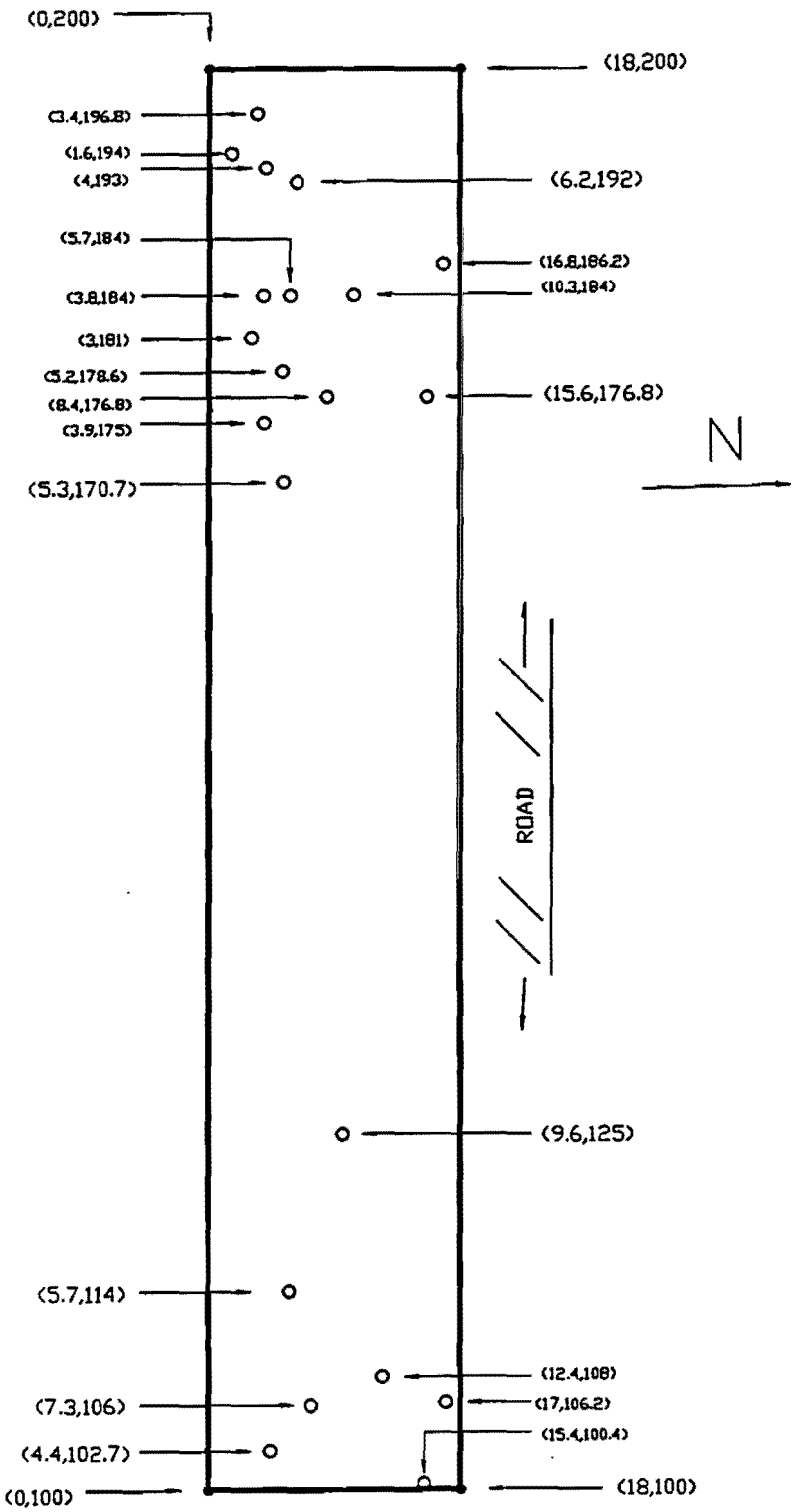

Figure C-5. Quadrant 2A2 from the "S" site Mission. See Fig. C-2 and C-3 which define the site. Targets are identified and their coordinates in meters are noted.

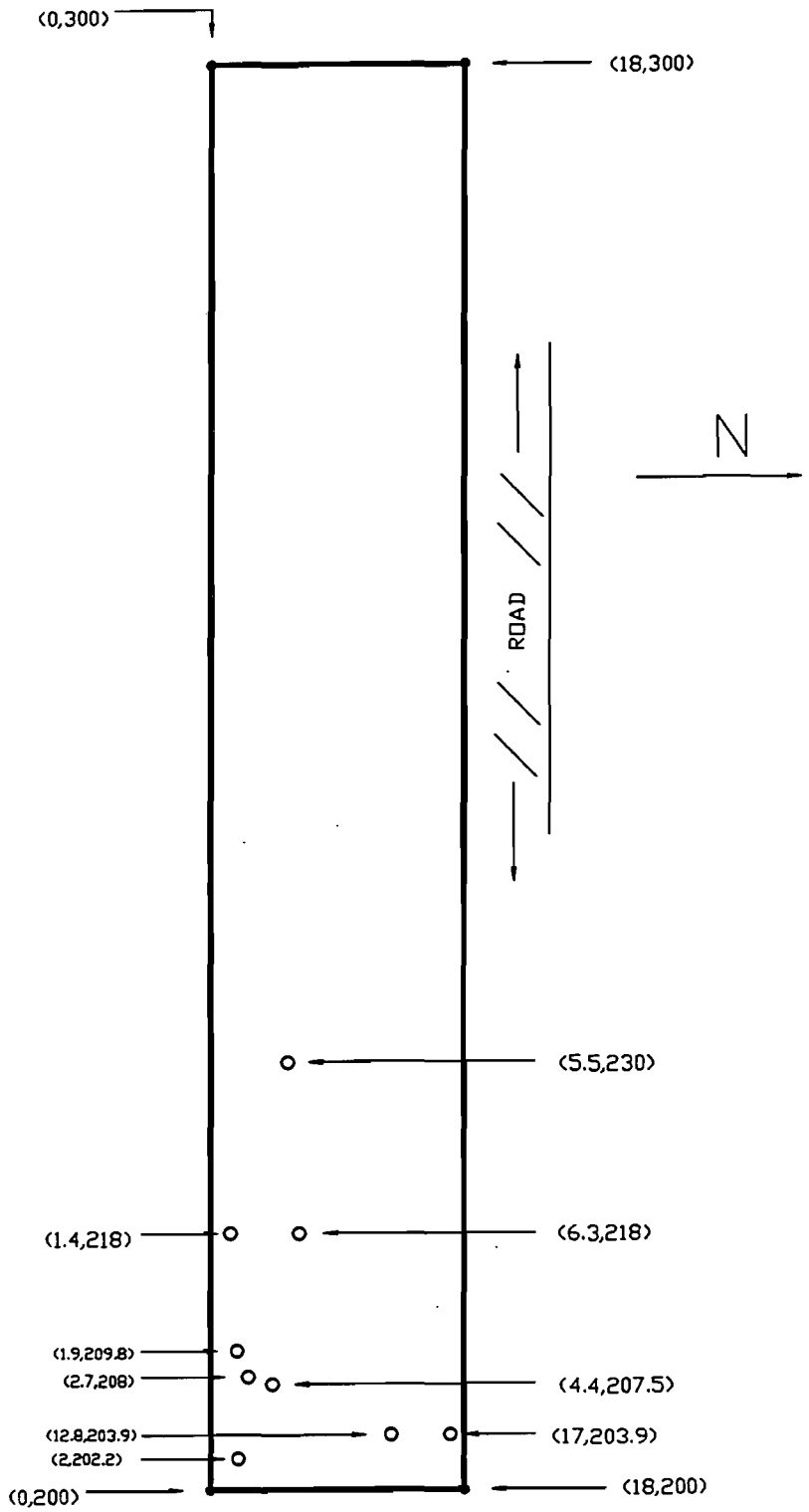

Figure C-6. Quadrant 2A3 from the "S" site Mission. See Fig. C-2 and C-3 which define the site. Targets are identified and their coordinates in meters are noted.

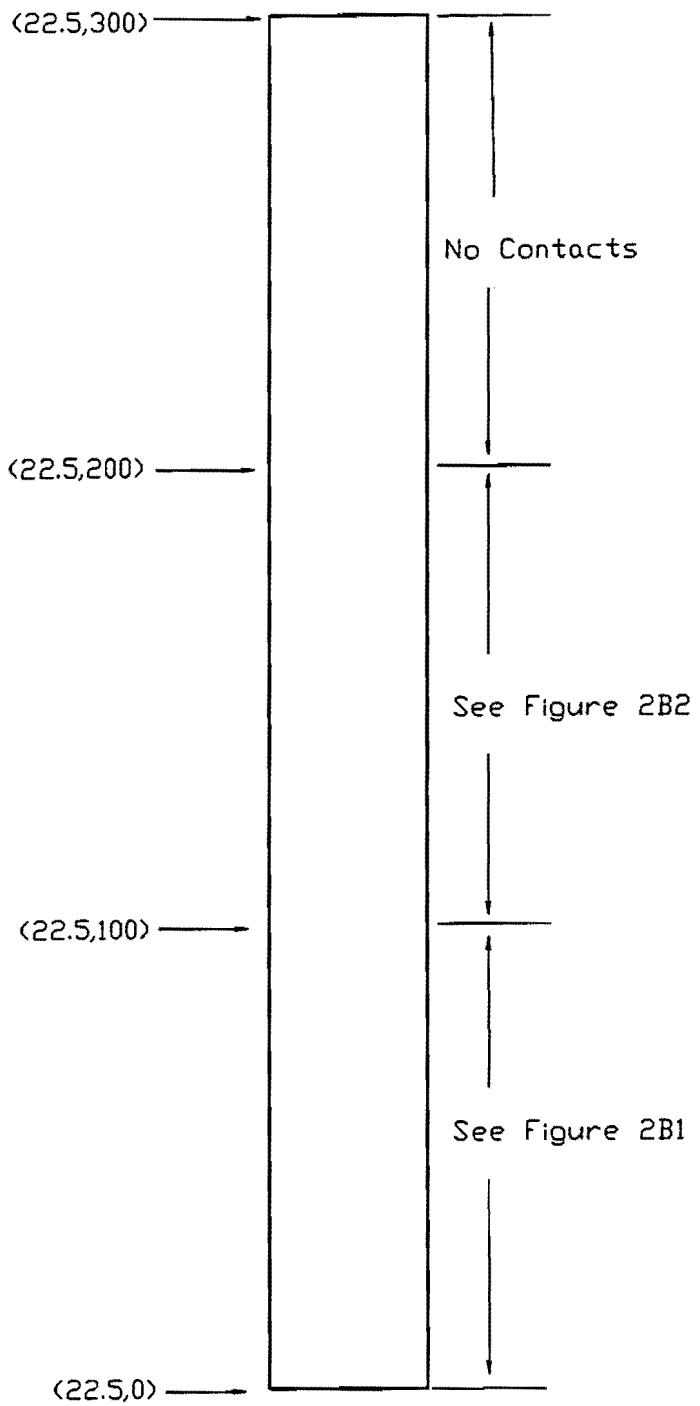

Figure C-7. Sketch of the "N" site Mission Shown in Fig. C-2 and C-3 which define the site. Coordinates are in meters.

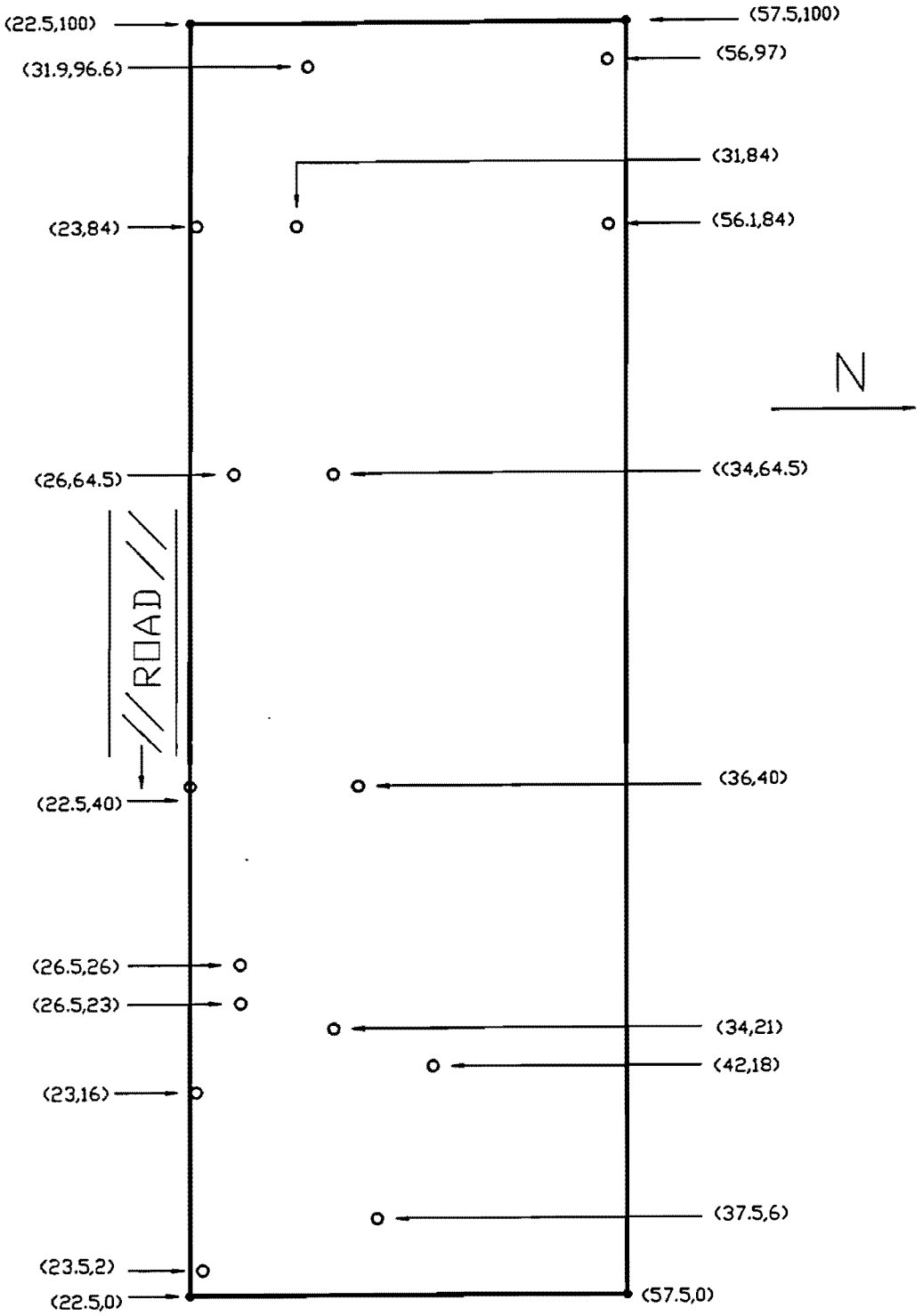

Figure C-8. Quadrant 2B1 from the "N" site Mission. See Fig. C-2 and C-3 which define the site. Targets are identified and their coordinates are noted.

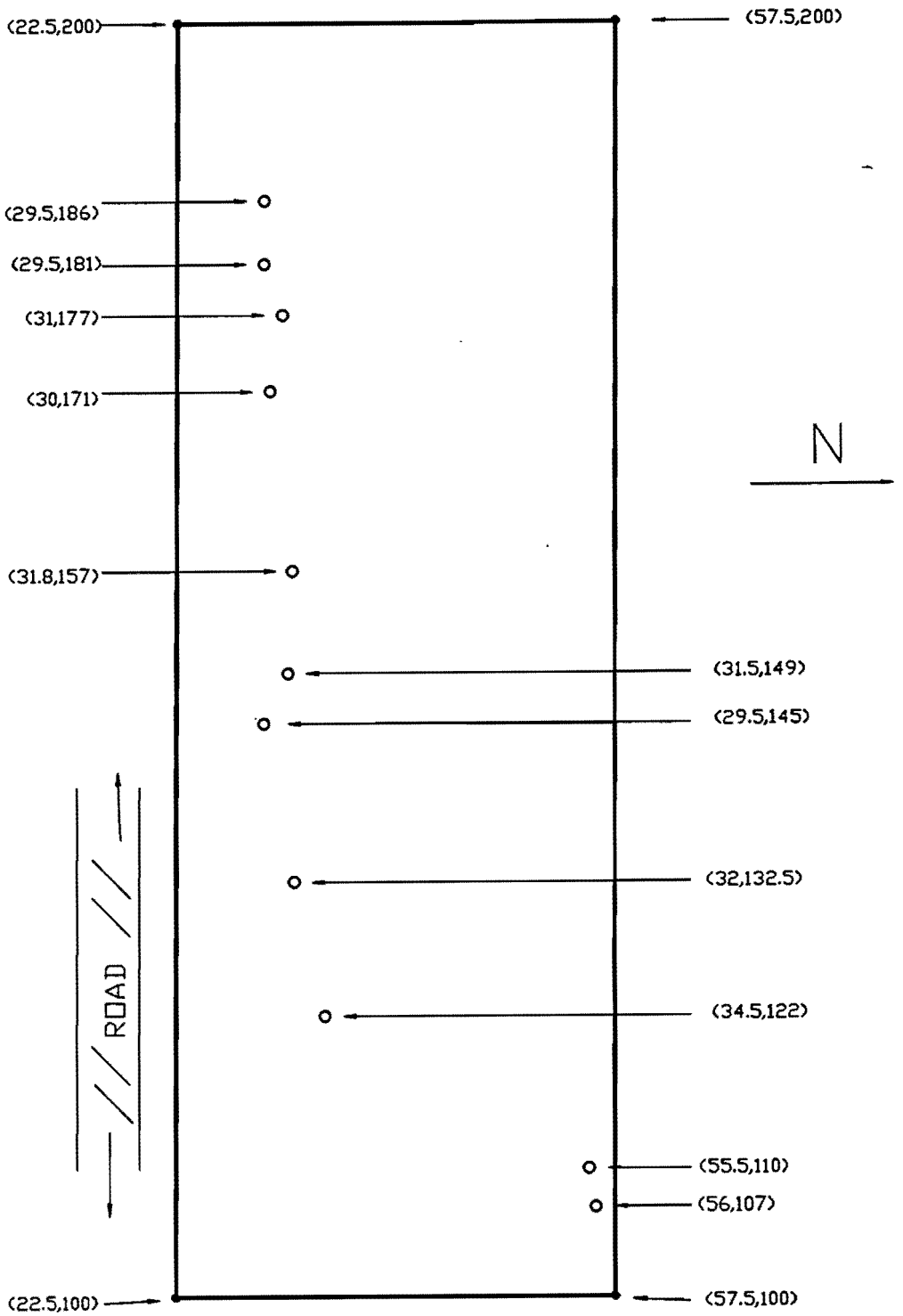

Figure C-9. Quadrant 2B2 from the "N" site Mission. See Fig. C-2 and C-3 which define the site. Targets are identified and their coordinates in meters are noted.

MAGNETIC AND ELECTROMAGNETIC SURVEYS OF SITE 26: BURIAL SITE TECHNICAL AREA III SANDIA NATIONAL LABORATORIES

Task Authorization Number
12-0939-B.058

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

November 1994

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Albuquerque, NM 87110
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FAX: (505) 884-7689

LAMB ASSOCIATES INC.

Magnetic and Electromagnetic Surveys of Environmental Restoration Site 26 (Burial Site) Technical Area III

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

Task Order:
12-0939-B.058

David A. Hyndman
Wayne S. McKenna

November 1994

Summary

Magnetic and electromagnetic metal detection surveys have been conducted over approximately 150 acres at Environmental Restoration Site 26 (Burial Site) located in Technical Area III at Sandia National Laboratories. The surveys were conducted in order to map any significant burials of potentially hazardous material.

The surveys were successful in identifying two areas containing significant buried metal. The survey failed to define the boundaries of one burial site.

Introduction

Magnetic and electromagnetic surveys have been conducted over approximately 150 acres at the Sandia National Laboratories, New Mexico (SNL/NM) Environmental Restoration (ER) Site 26 in Technical Area III (TA-III). The surveys were conducted in order to locate possible burial sites to the west and south of the Long Sled Track.

Survey activities were accomplished in two phases covering two areas of Site 26, each area having different survey objectives. The surveys were successful in identifying several buried objects. This report documents the survey activities and presents the results.

Background

Description of Site. SNL/NM ER Site 26 (Burial Site) is a rectangular area located along the western boundary TA-III, in between the Long Sled Track and the perimeter fence. The northern boundary is approximately 150 m to the north of Building 6741, and the southern boundary is approximately 300 m to the south of the end of the Long Sled Track (Building 6742). The area has fairly even terrain with a vegetation cover approaching waist high in places. Most of the area is clear of surface objects and building, although experimental apparatus and debris are present, particularly in the southern portion of the site.

Prior Site Usage. ER Site 26 has not been used for SNL/NM experimental activities per se, rather as a buffer zone and storage area adjacent to the Long Sled Track. Interview data and aerial photograph analysis have revealed three primary areas with possible burials, termed "possible storage area," an "area of disturbed soil," and "the area of concern" (*Technical Areas 3 and 5, RCRA Facility Investigation Work Plan*, Sandia National Laboratories, March, 1993). The "possible storage area" and "area of disturbed soil" are not considered to be likely to contain buried material of immediate environmental concern. The "area of concern" has potential to contain buried radioactive equipment.

The large area to be covered and the different levels of concern over possible burials at Site 26 prompted the division of the area into two separate geophysical surveys, denoted as Survey A and Survey B. ER Site 26, the three suspect burial sites, and the two geophysical survey areas are shown in Figure 1.

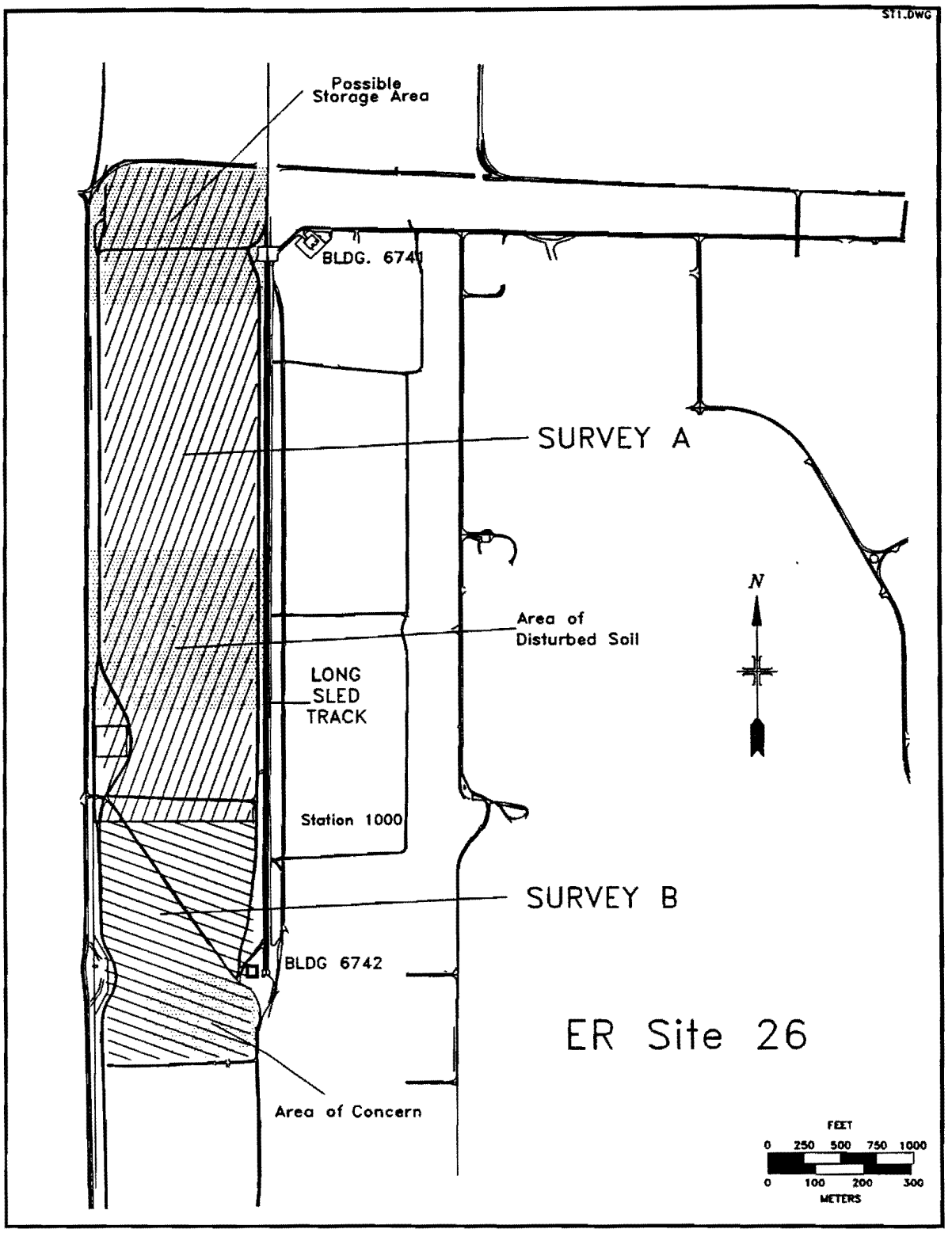


Figure 1. ER Site 26 (Burial Site) Geophysical Surveys

Geophysical Surveys

General. Survey A covered the larger portion of Site 26, extending from the northern border to Station 1000 of the Long Sled Track. This survey encompassed approximately 120 acres and included the "possible storage area" and "area of disturbed soil".

Survey B started at Station 1000 and extended 510 m to the south, covering approximately 30 acres, including the "area of concern". Survey B encompassed three areas which contained significant surface metal that precluded data acquisition. One area contained numerous apparatus from past experimental activities, including large steel beams, reenforced concrete forms, and stacks of metal parts. A second area contained several armored vehicles. The third area included Building 6742 with several reenforced concrete aprons.

Electromagnetic ground conductivity and magnetic gradient surveys were selected as most capable of accurately mapping buried objects at Site 26. Survey methodology was essentially the same for Survey A and Survey B, although the different objectives for the two surveys dictated slightly different procedures.

A separate data grid was established for each survey, with a common north-south baseline (Y = 0) and a tie between the two surveys at Long Sled Track Station 1000.

Survey A

Objective. The Survey A objective was to locate and map any buried objects equivalent or larger than two 55 gal drums buried at a depth of 1.5 m (5 ft). The survey was intended as a reconnaissance effort, covering a large area (approximately 120 acres) fairly quickly at the expense of fine detail.

Instrumentation. The Geonics EM-31 ground conductivity meter was used for acquiring electromagnetic data. The EM-31 was deployed in the vertical dipole mode, and both the ground conductivity and in-phase response were recorded.

A Geometrics G-856-AX proton precession gradiometer was used to obtain vertical magnetic gradient measurements. Two magnetic sensors were mounted on the same vertical staff, with the bottom sensor 1.4 m above the ground and the second sensor positioned 2.1 m above the ground.

Survey Grid. The Survey A area was gridded on a 5 m by 5 m increment, with a north-south baseline (Y = 0) along the dirt road to the west of and parallel to the Long Sled Track. The origin for the grid (X = 0, Y = 0) was placed at Long Sled Track Station 1000, with X increasing to the north and Y increasing to the west. A course grid was established with wooden stakes every 50 m, then filled with plastic pin flags to every 5 m. The origin of the grid (X = 0, Y = 0) and the start of the last traverse (X = 1400, Y = 0) were semi-permanently marked by driving steel rods into the ground. These markers were driven several cm below the soil, and can easily be located with a magnetic locator in the event the survey grid must be recreated. The Survey A area is shown in detail in Figure 2.

Data Acquisition. Magnetic and electromagnetic data were acquired at each node on the 5 m grid. Data were taken along tie-lines at the start of each day and when acquisition was interrupted by a change in instrument operator. The EM-31 data were recorded with an Omidata Polycorder. The magnetic data were recorded in the internal memory of the magnetometer.

Field notes detailing survey conditions and the location of surface objects likely to interfere with the geophysical data were taken during data acquisition. Occasional interference with the proper functioning of the magnetometer was noticed, probably due to the nearby airport or electromagnetic pulse (EMP) facilities. Questionable data were repeated when observed.

Data Reduction. The magnetic and electromagnetic data were transferred to a personal computer for reduction and processing. The EM-31 data were reduced using the DAT31 program (Geonics Ltd.), the magnetic data were reduced with the MAGLOC program (TerraSense Inc.). The data were then processed and imaged using the Geosoft Mapping and Processing System (Geosoft Inc.). Tie-line corrections were applied to the data. No special processing enhancements or filters were applied to the data other than the filtering inherent to creating a gridded image from discrete data.

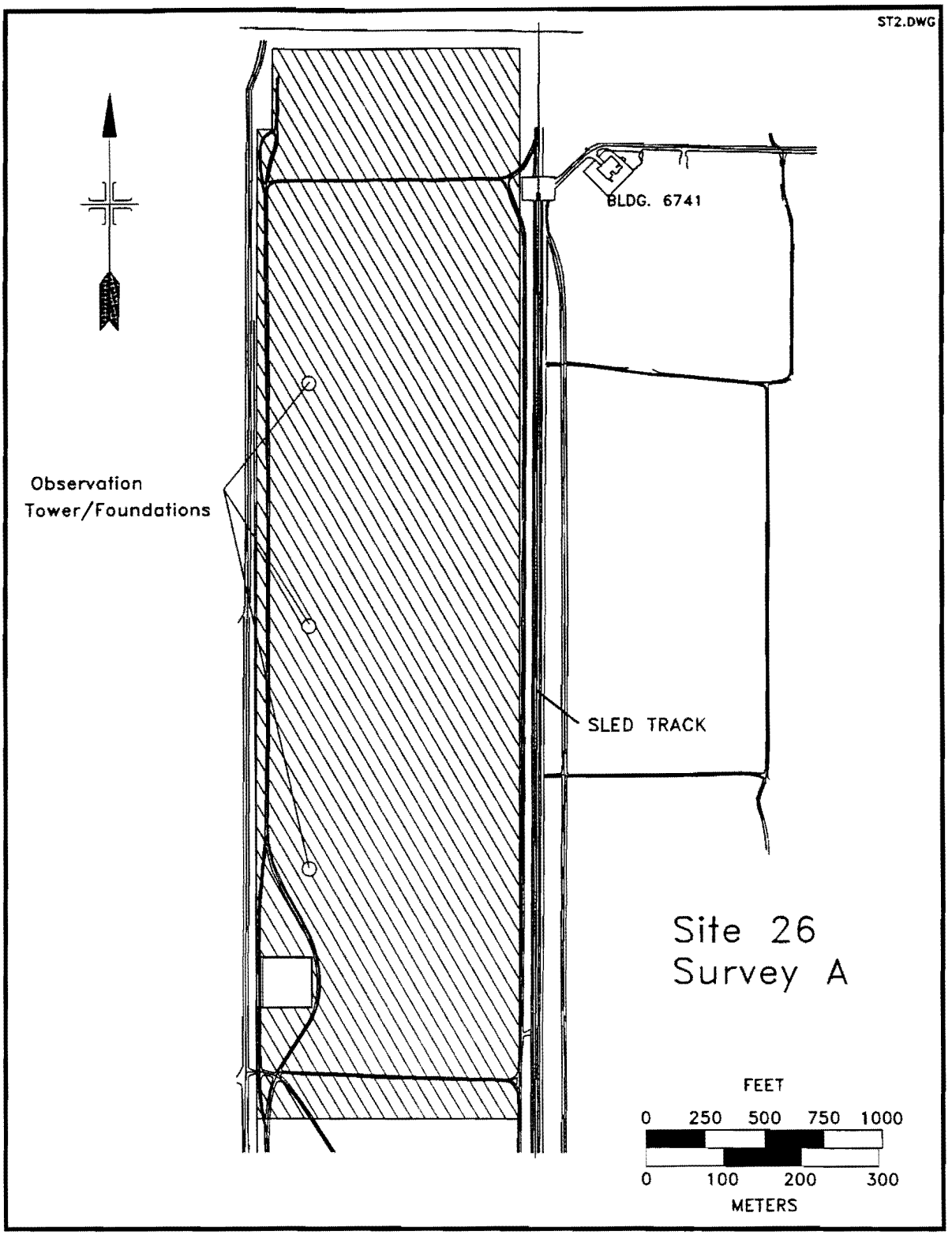


Figure 2. Geophysical Survey A Coverage.

Survey A Results

General. The narrow dimensions of the survey (1400 m by 345 m) forced breaking the survey results into northern and southern parts for presentation. The vertical magnetic gradient data are depicted in Figure 3a and 3b. The gradient data are given in nanoTesla per meter (nT/m), with background levels established between -30 to 30 nT/m.

The EM-31 ground conductivity and in-phase response are presented in Figure 4(a & b) and Figure 5 (a & b) respectively. The ground conductivity is given in units of milliSeimen per meter (mS/m) and the in-phase response in units of parts per thousand (ppt). An in-phase background level of -.75 to .75 ppt is used.

Known Objects. There are several known objects which were identified during the data acquisition activities and which generate a significant response. These objects are annotated on the survey results by number.

1) Observation tower/foundation

2) Scrap metal/debris

3) Reenforced concrete

4) Sign post/picket/rebar marker

5) Metal post/benchmark/experimental apparatus

6) Drum(s)

Unknown Features. There remain several electromagnetic and magnetic anomalies after accounting for the known metallic objects. The positions of these unidentified anomalies are given in Figure 6 (a & b). The anomalies labeled A, B, and C are coincident with observable surface scrap, but the magnitudes of the anomalies are significantly greater than expected from observed surface sources.

There are several unidentified anomalies throughout the "possible storage area," indicating that significant buried metal is present. The "area of disturbed soil" appears as a conductivity contrast in Figure 4a, which displays conductivity highs to the south (labeled A) and lows to the north (labeled B). This contrast is fairly mild, and no indication of buried metal is seen.

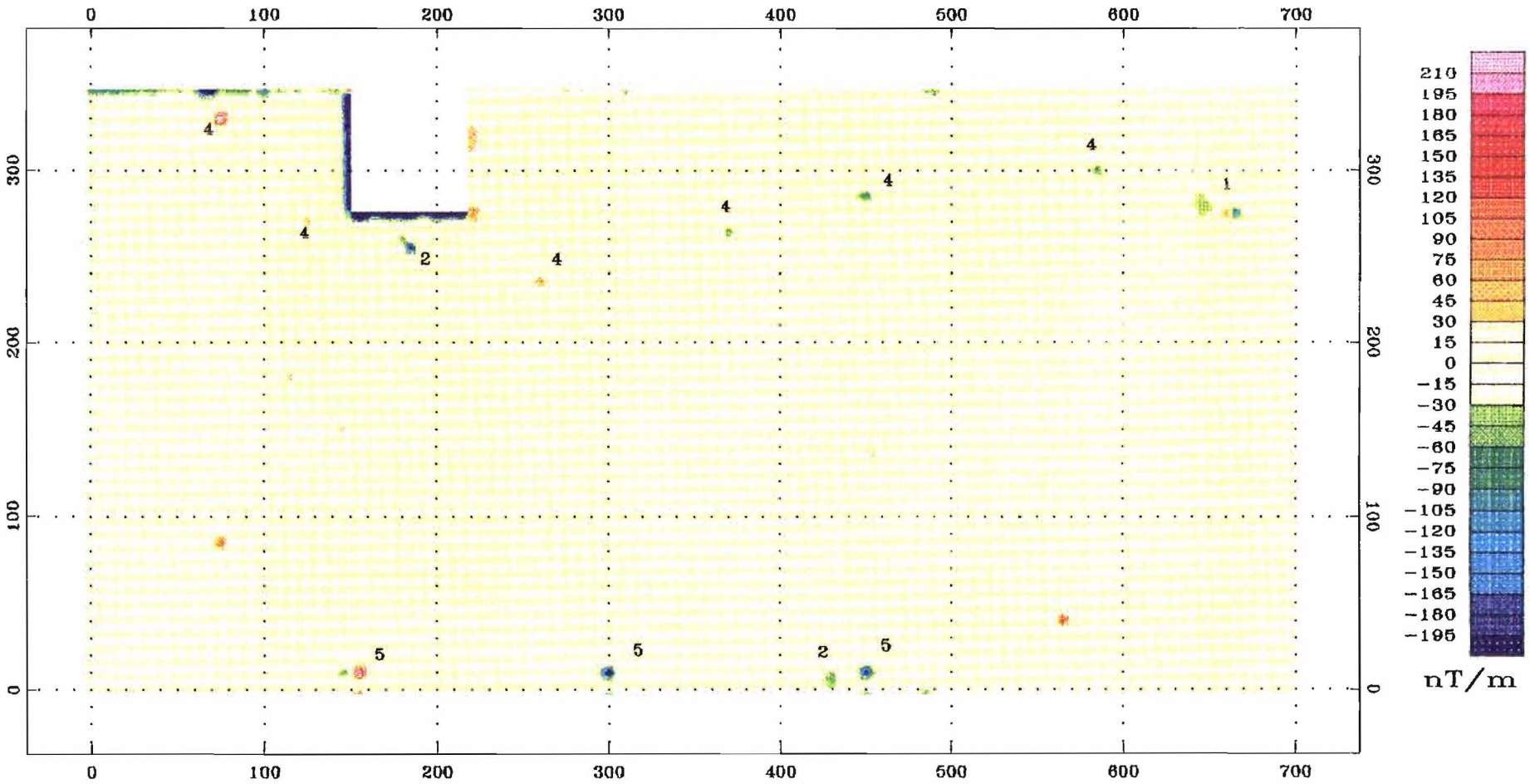


Figure 3a. ER Site 26, Survey A

Vertical Magnetic Gradient

50 0 50 100
(meters)

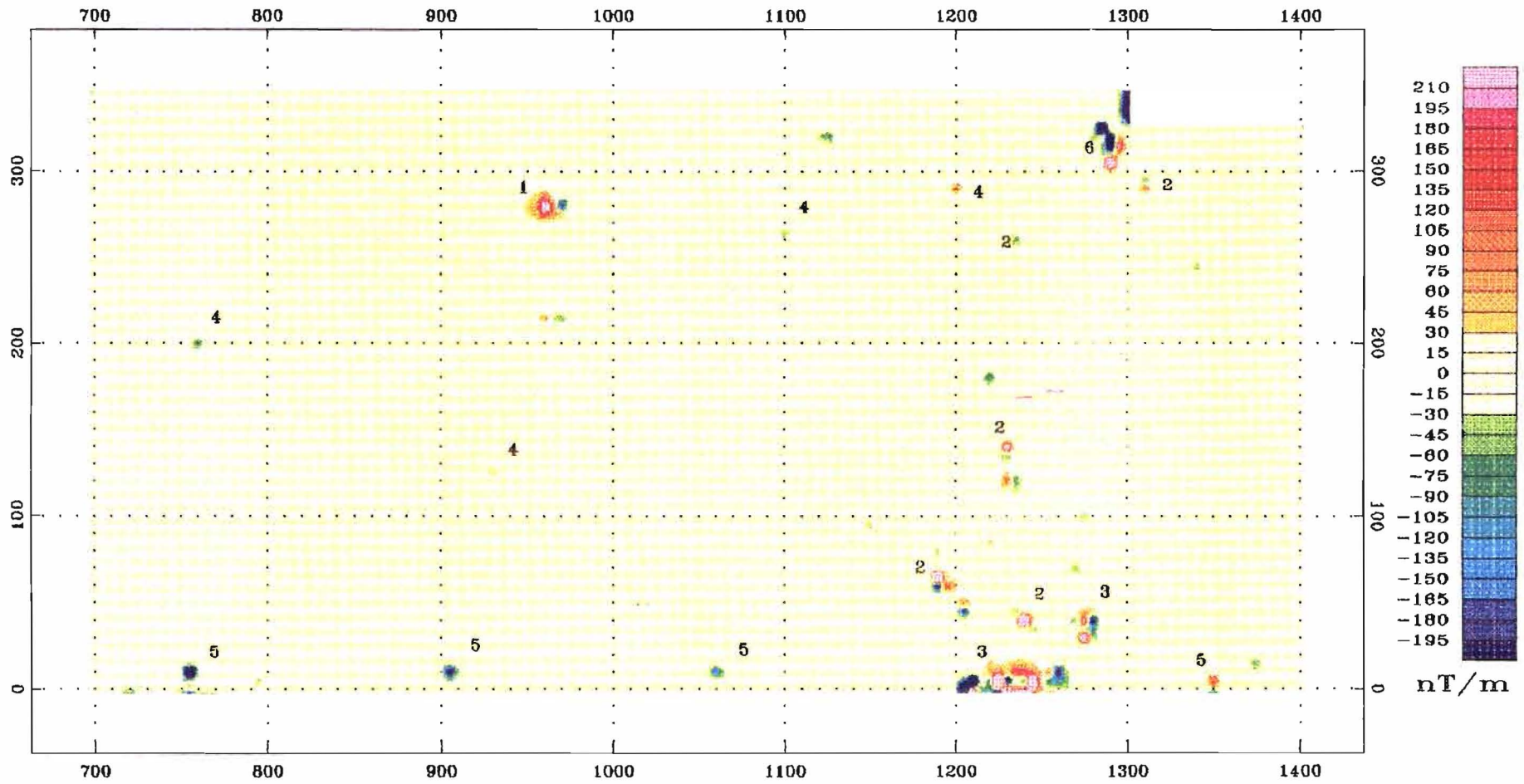


Figure 3b. ER Site 26, Survey A

Vertical Magnetic Gradient

50 0 50 100
(meters)

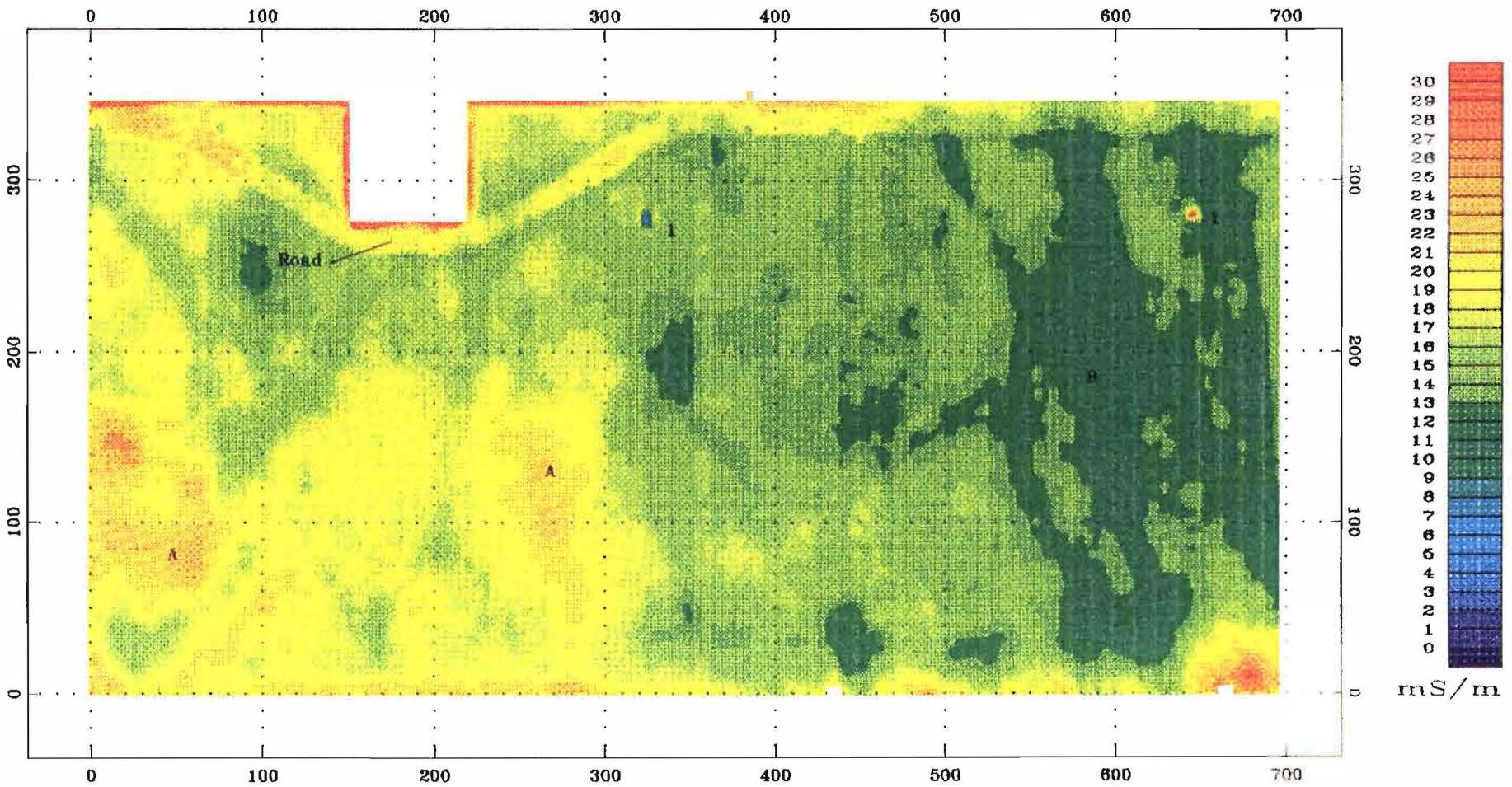


Figure 4a. ER Site 26, Survey A

Ground Conductivity

50 0 50 100
(meters)

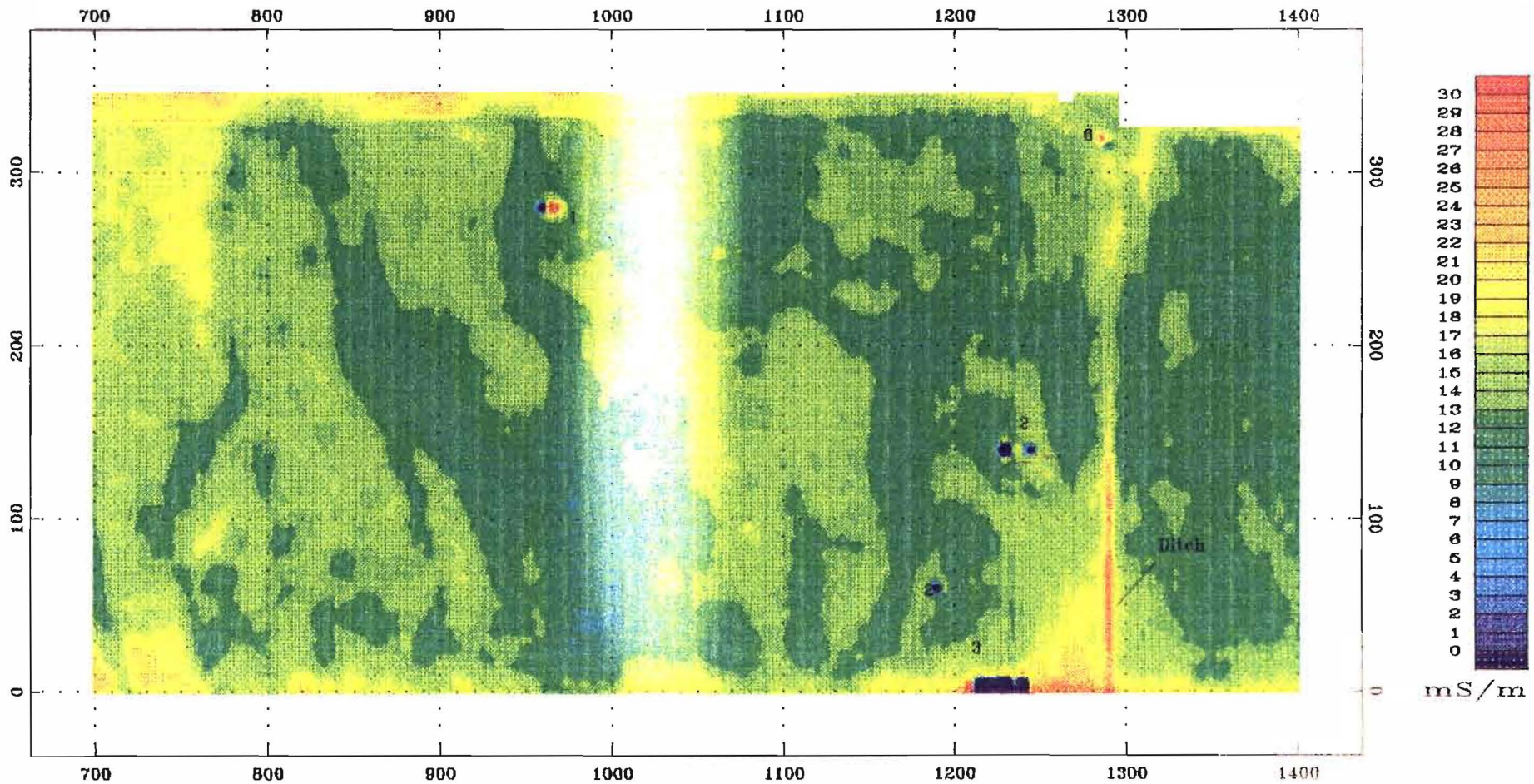


Figure 4b. ER Site 26, Survey A

Ground Conductivity

50 0 50 100
(meters)

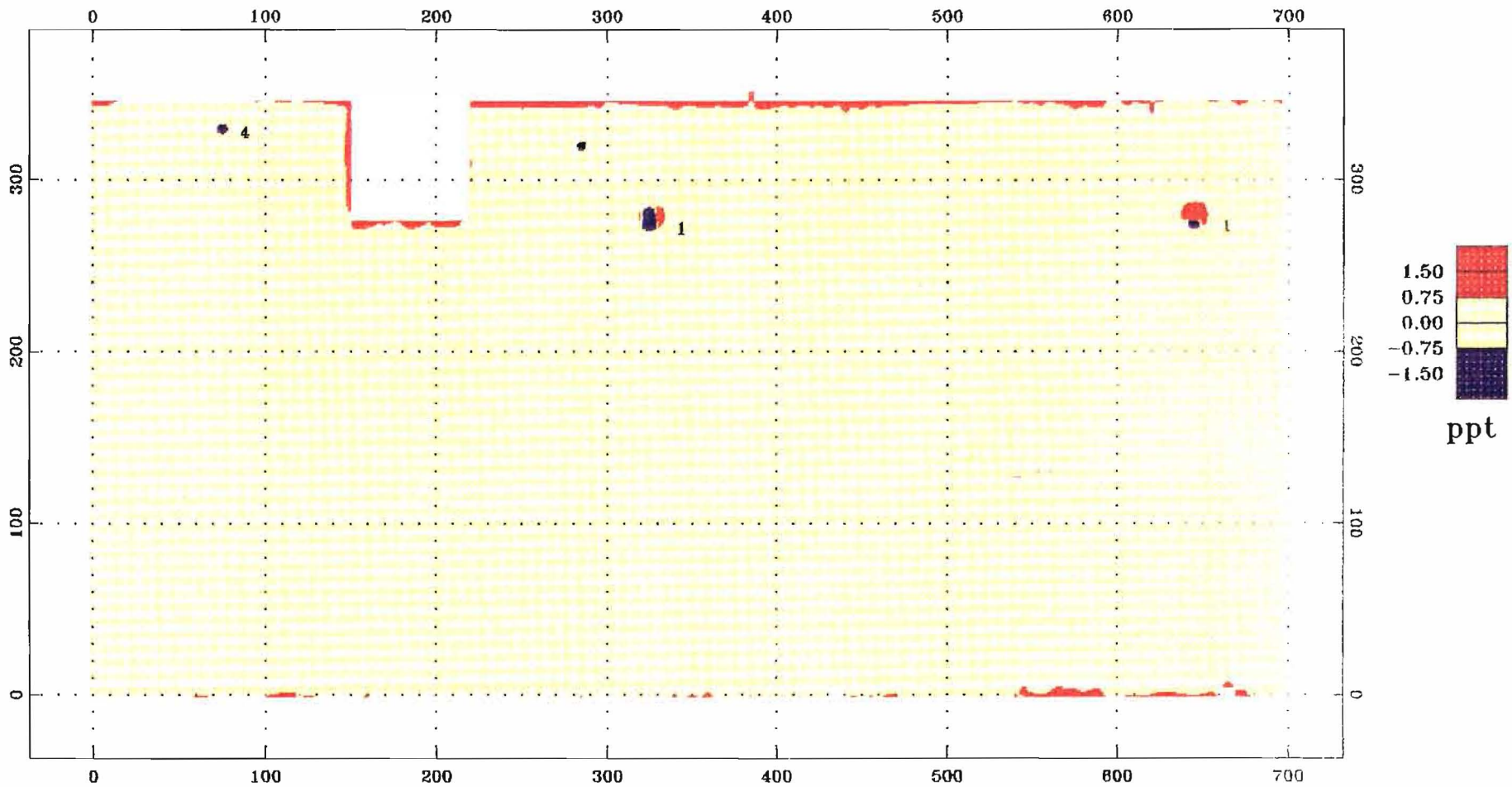
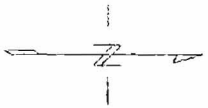


Figure 5a. ER Site 26, Survey A

In-Phase Response



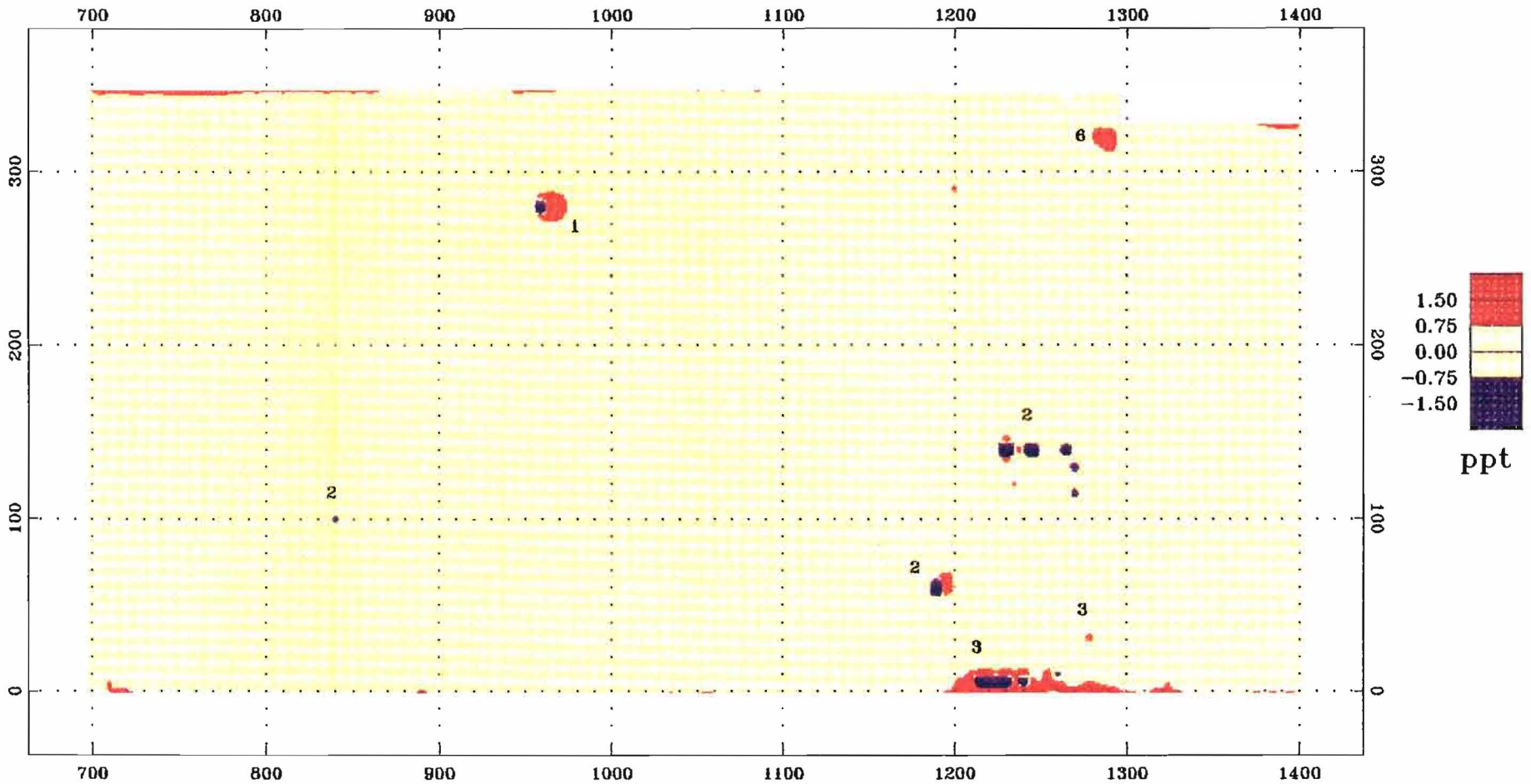


Figure 5b. ER Site 26, Survey A

In-Phase Response

50 0 50 100
(meters)

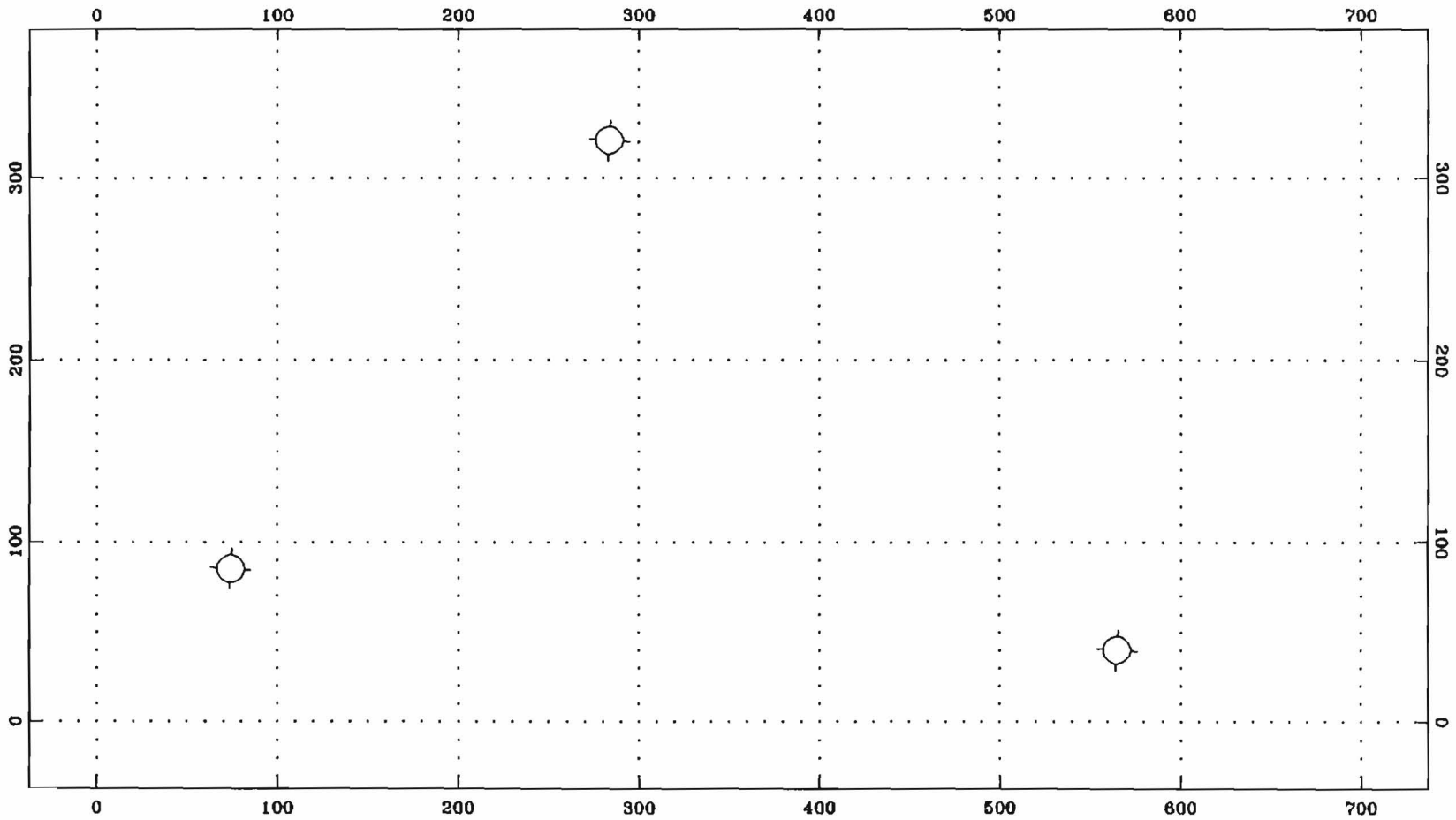


Figure 6a. ER Site 26, Survey A

Unidentified Anomalies

50 0 50 100
(meters)

N

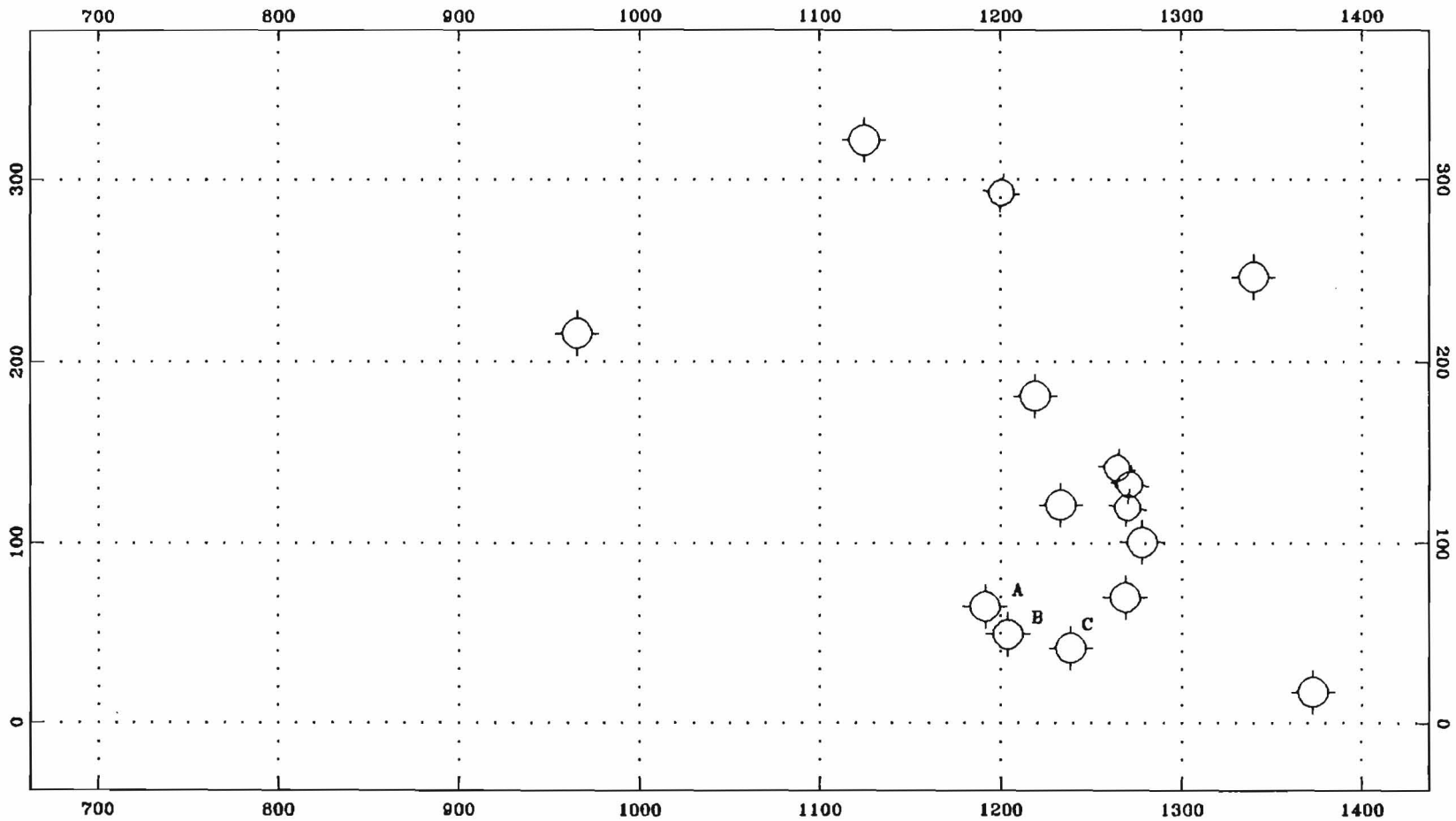
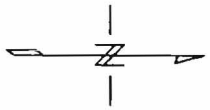


Figure 6b. ER Site 26, Survey A

Unidentified Anomalies



Survey B

Objective. Survey B was designed to achieve the objective of locating any buried object equivalent of larger than a single 55 gal drum buried at a depth of 1.5 m (5 ft). This survey was also intended to be primarily a reconnaissance survey covering a large area (approximately 30 acres), but with greater resolution than Survey A.

Instrumentation. The Geonics EM-31 ground conductivity meter was deployed in the vertical dipole mode with both the conductivity and in-phase response being recorded.

A GEM Systems GSM-19 Overhauser gradiometer was used to obtain vertical magnetic gradient data. Two magnetic sensors with a vertical separation of .5 m were mounted on a frame worn by the equipment operator.

Survey Grid. The north-south baseline (Y = 0) established for Survey A was extended 510 m to the south. The survey area gridded on a 30 m by 30 m increment and marked with wooden stakes. Each north-south line was filled with plastic pin flags at a 3 m increment, allowing east-west traverses separated by 3 m. The Survey B area is shown in Figure 7. The grid was not extended into three areas containing significant concentrations of metal. The area around Building 6742 was avoided due to reenforced concrete aprons and utilities. A small area in the southeast corner of the survey contained several armored vehicles. An area in the center of the survey was covered with large metal and concrete objects and stacks of metal parts.

Data Acquisition. Survey B magnetic and electromagnetic data were acquired in the "walking mode," utilizing internal timers in the instruments or recorders to acquire data at a set time increment while the instrument operator maintained an even pace along the survey traverses. Fiducial markers were recorded as the instrument operator passed marked stations along the survey traverse, typically every 30 m. Fiducial markers in the data files allowed linear interpolation of the data point position between the known stations. In practice, the magnetic and electromagnetic data were acquired approximately every 1.5 m along the traverses separated by 3 m.

Data were taken along tie-lines at the start of each day and when acquisition was interrupted by a change in instrument operator. The EM-31 data were recorded with an Omidata Polycorder. The magnetic data were stored recorded in the internal memory of the magnetometer. Field notes detailing the location of surface objects likely to interfere with the geophysical data were taken during data acquisition.

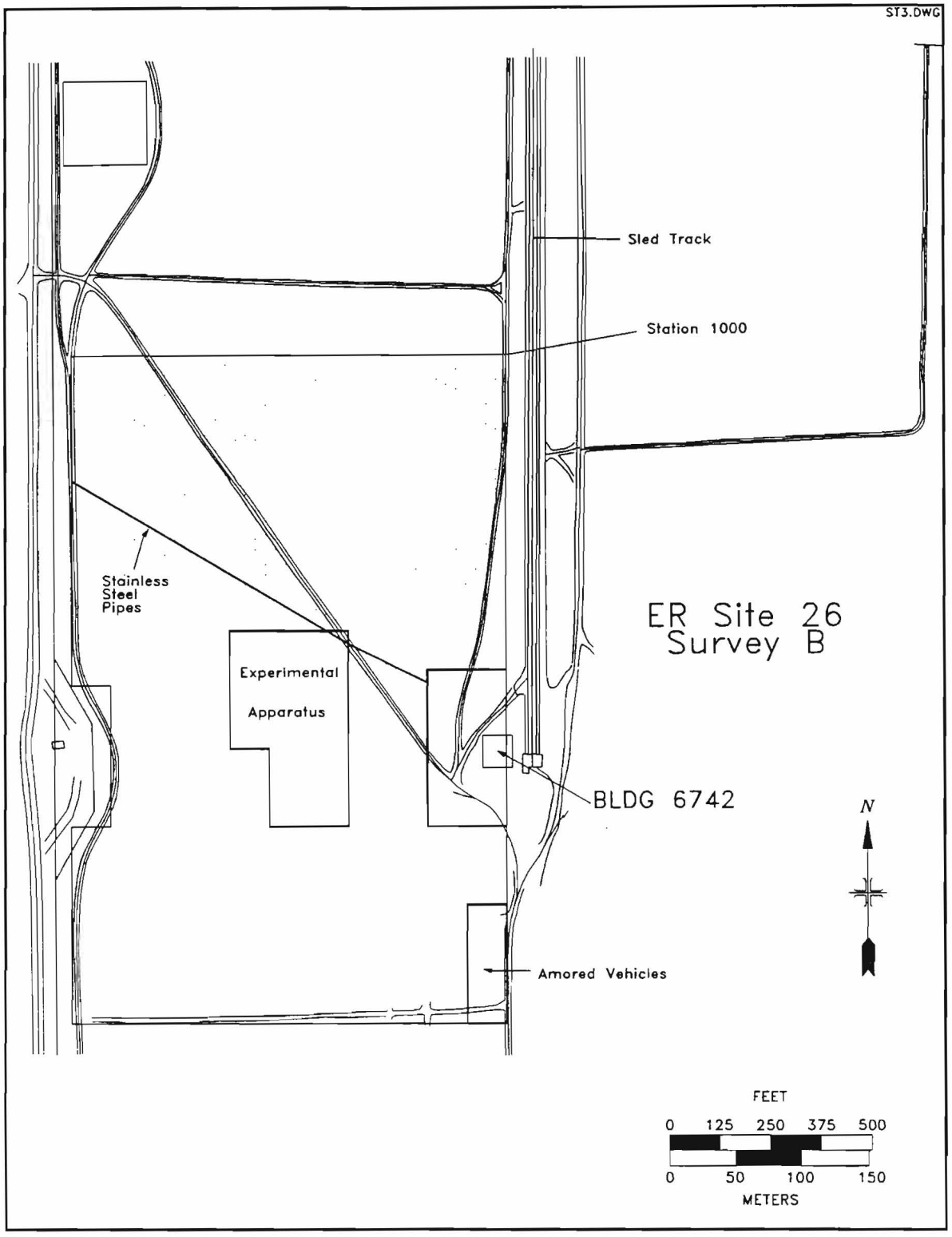


Figure 7. Geophysical Survey B Coverage

Data Reduction. The magnetic and electromagnetic data were transferred to a personal computer for reduction and processing. The EM-31 data were reduced using the DAT31 program (Geonics Ltd.), the magnetic data were reduced with the GEM programs (GEM Systems Ltd.). The data were then processed and imaged using the Geosoft Mapping and Processing System (Geosoft Inc.).

Tie-line corrections were applied to the data. The data were splined to form a uniform 3 m by 3 m spatial density prior to gridding. No special processing enhancements or filters were applied to the data other than the filtering inherent to splining and creating a gridded image from discrete data.

Survey B Results

General. The vertical magnetic gradient data are depicted in Figure 8. The gradient data are given in nanoTesla per meter (nT/m), with background levels established between -30 to 30 nT/m.

The EM-31 ground conductivity and in-phase response are presented in Figure 9 and Figure 10 respectively. The ground conductivity is given in units of milliSeimen per meter (mS/m) and the in-phase response in units of parts per thousand (ppt). An in-phase background level of -.75 to .75 ppt is used.

Known Objects. There are several known objects which were identified during the data acquisition activities and which generate a significant response. These objects are annotated on the survey results by number.

1) Observation tower/foundation

2) Scrap metal/debris

3) Reenforced concrete

4) Sign post/picket/rebar marker

5) Metal post/benchmark/experimental apparatus

6) Drum(s)

7) Scattered metallic debris

Unknown Features. There remain several magnetic and electromagnetic anomalies remaining after accounting for the known metallic objects. The position of these unidentified anomalies is given in Figure 11.

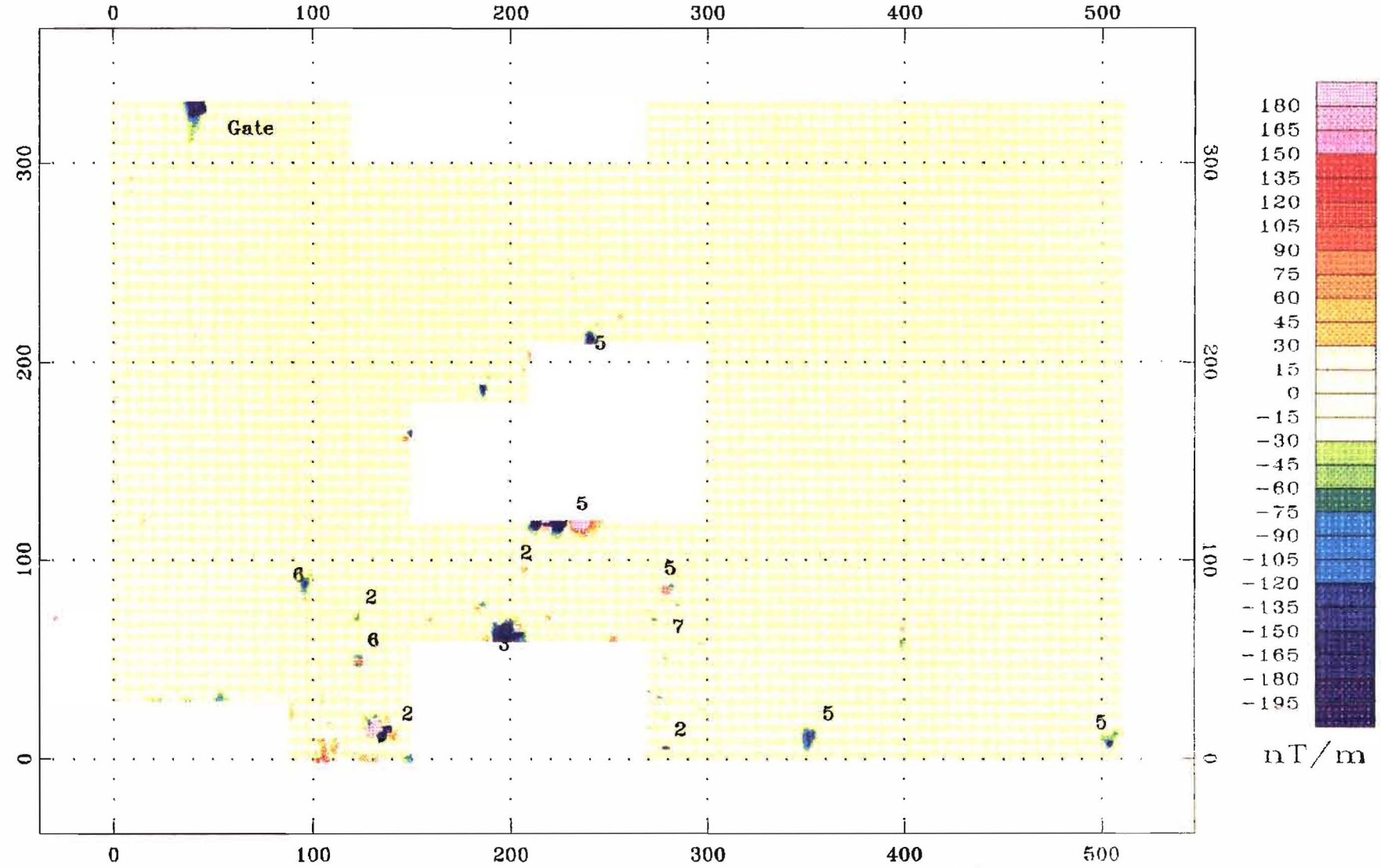
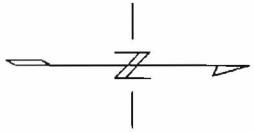


Figure 8. ER Site 26, Survey B

Vertical Magnetic Gradient



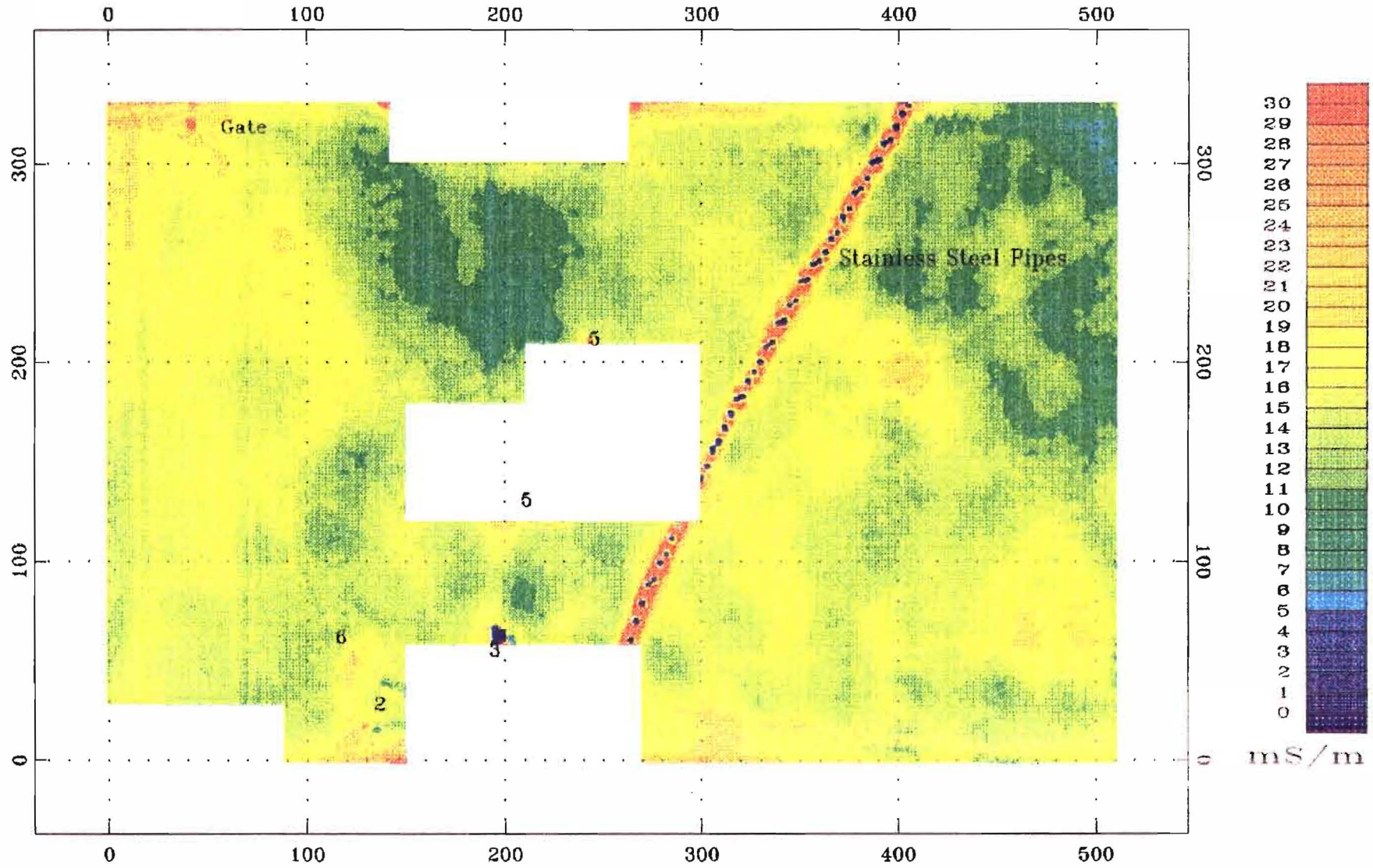


Figure 9. ER Site 26, Survey B

Ground Conductivity

50 0 50 100
(meters)

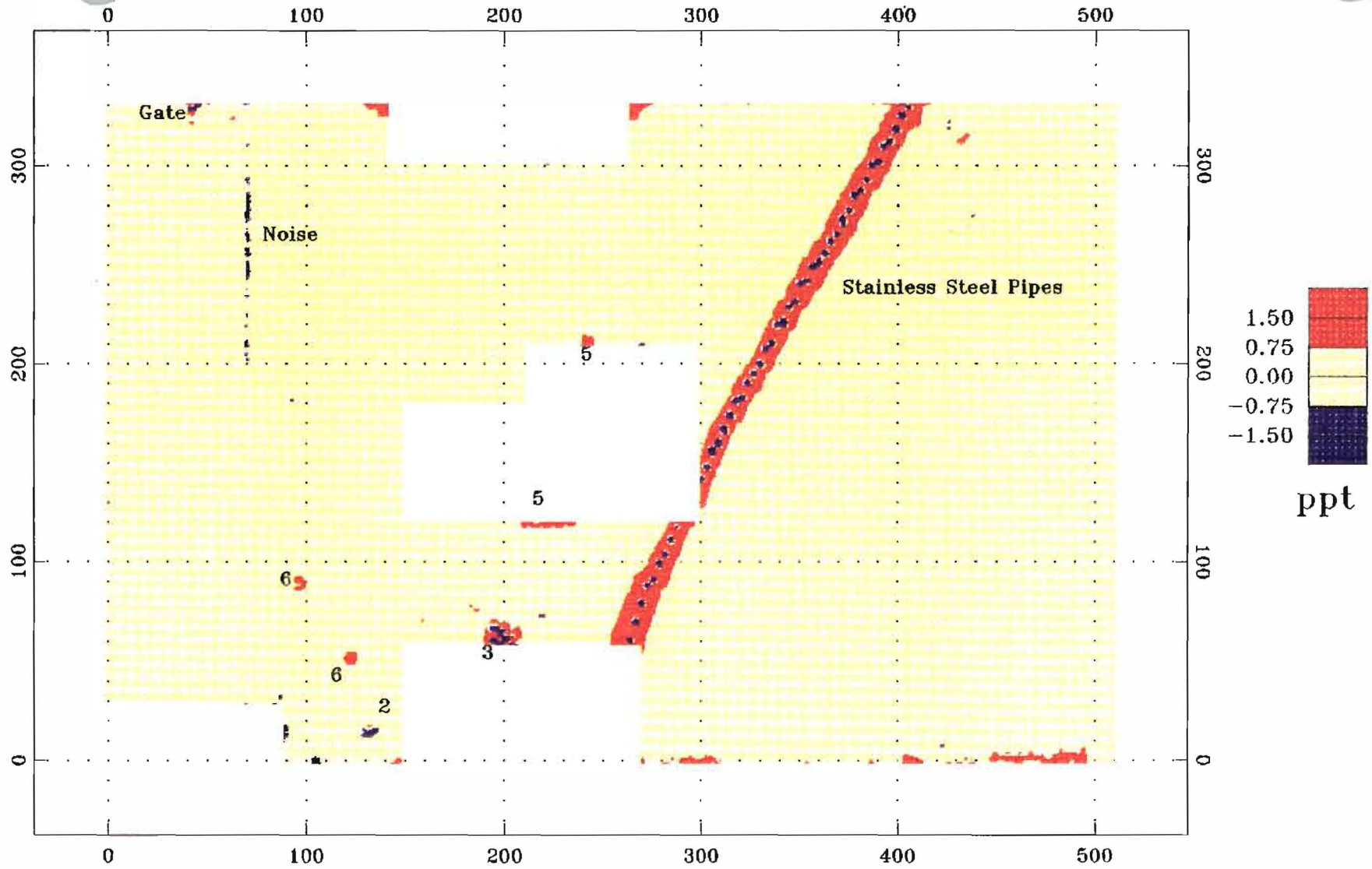
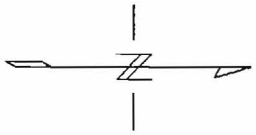


Figure 10. ER Site 26, Survey B

In-Phase Response



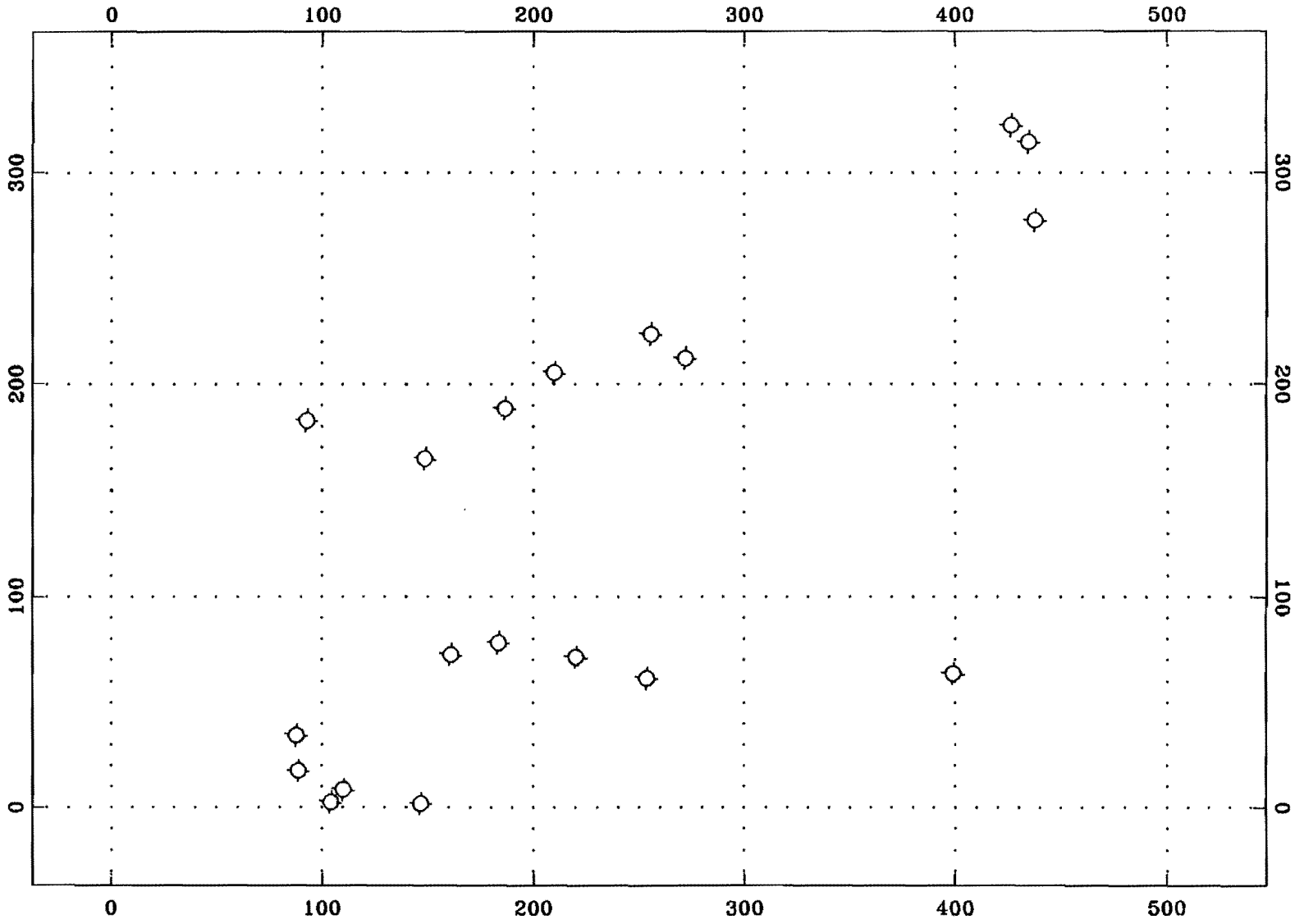
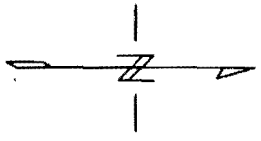


Figure 11. ER Site 26, Survey B

Unidentified Anomalies



There are several significant unidentified anomalies in the "area of concern." Unfortunately, these anomalies appear to be clustered around the three areas excluded due to the presence of surface metal. It is likely that significant buried metal can be found in those areas.

Conclusions and Recommendations

The geophysical surveys were successful in identifying two areas containing significant buried metal objects. The "possible storage area" located at the northern extreme of Survey A contains several buried objects. If these objects are the same as the scrap on the surface, the buried objects are innocuous concentrations of construction debris.

The "area of concern" in Survey B also contains several buried objects. Unfortunately, the survey does not appear to have constrained the area containing buried metal. The areas omitted due to surface metal probably contain further buried objects.

It is recommended that more detailed investigations be conducted prior to any excavation of these buried objects. The relatively sparse sampling during these reconnaissance surveys limits spatial resolution to a few meters. Higher resolution surveys over only the small portions of the site having burials seem prudent.

The failure to put bounds on the portion of the "area of concern" containing burials can be mitigated by conducting small, fill-in surveys near the surface metal. Eventually, the armored vehicles and experimental apparatus may have to be moved to enable a complete investigation.

Attachment 31-1

Laboratory Analytical Results for ER Site 31

Laboratory QA/QC – copied from laboratory reports

ER Site 31: TA3/5 RFI Analytical Results for Surface Soil Samples ; Polychlorinated Biphenyls (PCBs) and Total Petroleum Hydrocarbons (TPH)

ER Sample ID	Sample Date	Sample Depth (feet)	Units	EPA Method 8080 (PCBs) and EPA Method 3550/418.1 (TPH)							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	TPH
TA3/5-31-SS-01	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
TA3/5-31-SS-02	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	27.8
TA3/5-31-SS-03	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
TA3/5-31-SS-04	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
TA3/5-31-SS-05	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	53.6
TA3/5-31-SS-06	29-MAR-94	0 - 1	mg/kg	ND	ND	ND	ND	ND	ND	27 J	ND
TA3/5-31-SS-06D	29-MAR-94	0 - 1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-31-SS-07	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
TA3/5-31-SS-08	29-MAR-94	0 - 1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-31-SS-09	29-MAR-94	0 - 1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-31-SS-10	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
TA3/5-31-SS-11	29-MAR-94	0 - 1	mg/kg	na	na	na	na	na	na	na	ND
		Detection Limit	mg/kg	33	33	33	33	33	33	33	20
Quality Assurrance/Quality Control Samples											
TA3/5-31-SS-FBA	27-APR-94	na	mg/l	ND	ND	ND	ND	ND	ND	ND	5.3
TA3/5-31-SS-RBA	27-APR-94	na	mg/l	ND	ND	ND	ND	ND	ND	ND	2.6
		Detection Limit	mg/l	1	1	1	1	1	1	1	2

na = not applicable/not analyzed
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

SNL/NM Environmental Programs
Sample Collection and Analytical Data Routing Form
instructions on bac[illegible] of form

Project Name: TA III Centrifu[illegible] Site 31 Centrifuge

Project/Case Number: 3617.300

SNL/NM Task Leader: P. Slavin Dep[illegible] Phone Number: 848-0334

Sampling Task Leader:

Samples Collected by: Schofield/Slavin/Young Date: 3/29/94

Date Received by SMO:	Signature:	ARCOC Number	Laboratory and SDG Number	Number of Samples
4/29/94	[signature]	508732	Ensco 34587	
		508733	"	

Date Preliminary Notification:	Signature:

DUE DATE

For Review: 5/23/94

(Determined by Task Leader)

Date Assigned to Review/Validate:	Signature:
5/17/94	[signature]

TO: W. Bother

Date Review Completed/Returned to Task Leader:	Signature:
5-23-94	MB Garcia
5-23-94	[signature]

DUE DATE

For Transmittal:

(Three weeks from Date Received by SMO or as determined by Task Leader)

Date of Final Transmittal:	Signature:

Comments:

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 5-19-94
CASE NO 3617.300
PROJECT NAME TA III Centrifuge
LABORATORY Enseco
CHECKED BY MB GARCIA
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG										COCs AND RFAs				LAB REPORT												DATA QUALITY						
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SNL/NM 015350-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
349-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
348-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
347-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
346-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
345-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
343-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
342-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
341-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
340-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
QUALITY CONTROL SAMPLES																																			
SNL/NM 015344-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
015338-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
-2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
015337-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A

DDITIONAL COMMENTS:

ALIDATION RANKING U UNUSABLE DATA A ACCEPTABLE C CONDITIONALLY ACCEPTABLE

REV 1 91

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 5/19/94
CASE NO 3617.300
PROJECT NAME TA III CENTRIFUGE
LABORATORY ENSECO
CHECKED BY MB GARCIA
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG															COCs AND RFAs					LAB REPORT										DATA QUALITY							
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SNL/NM 015339-1	Y	Y	Y	Y	Y	NA	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
QUALITY CONTROL SAMPLES																																						
SNL/NM 015337-2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A

ADDITIONAL COMMENTS:

VALIDATION RANKING U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

REV 1/91

Rocky Mountain Analytical Laboratory
4955 Yarrow Street, Arvada, CO 80002 (303) 421-6611

A DIVISION OF
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INCORPORATED

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IT CORP.-ALBUQUERQUE
mu 301455.147

04/01/94

Jim Fish
Sandia National Laboratory - Department 7576
PO Box 5800
Albuquerque, NM 871851305

Dear Mr. Fish:

This letter acknowledges the acceptance of 18 samples at Rocky Mountain Analytical Laboratory (RMAL) which have been assigned to project number 034587. Attached are the Sample Description Information form, cross-referencing the RMAL sample numbers to client descriptions, and a copy of the signed Chain of Custody.

If you have any questions or need additional information, please contact me at (303)421-6611. Thank you.

Sincerely,

Ellen LaRiviere

Ellen La Riviere
Program Administrator

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508732

Page 1 of 2

Department No: 7582
Project/Task Manager: CHRIS ANS/P. SLAVIN
Project Name: TA3/5 SITE 31
Sample Team Members: S. YOUNG, D. SCHOFIELD, P. SLAVIN, E. VINSANT, E. Helser

Date Samples Shipped: 3/30/94
Carrier/Waybill No: [illegible]
Lab Destination: ENSECO-RMAL
Lab Contact: E. LA RIVIERE
SMO Contact/Phone: 262-6800
Send Report to SMO: MARK LYON
SMO Reference No:

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: 62-9736B
Case No: 3617.300
SMO Authorization: D. Mc[illegible]

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
SNL/NM015350-1	SOIL	3/29/94 11:35	G	250ml	4°C	TPH (418.1)	N	31587 01	
015349-1	"	" 11:45	"	"	"	TPH (418.1)	N	02	
015348-1	"	" 1200	"	"	"	TPH (418.1)	N	03	
015347-1	"	" 1220	"	"	"	TPH (418.1)	N	04	
015346-1	"	" 1240	"	"	"	TPH (418.1)	N	05	
015345-1	"	" 1250	"	"	"	TPH (418.1); PCB (8080)	N	06	
015344-1	"	" 1258	"	"	"	TPH (418.1); PCB (8080)	N	07	
015343-1	"	" 1310	"	"	"	TPH (418.1)	N	08	
015342-1	"	" 1324	"	"	"	TPH (418.1); PCB (8080)	N	09	
015341-1	"	" 1340	"	"	"	TPH (418.1); PCB (8080)	N	10	
015340-1	"	" 1350	"	"	"	TPH (418.1)	N	11	

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☒ TRANSFORMER OIL

Turnaround Time
Normal ☒ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☒ Archive Until

Special Instructions/QC Requirements

1. Relinquished by [signature]	Org 7532	Date 3/29/94	Time 1500	4. Relinquished by	Org	Date	Time
1. Received by [signature]	Org 7584	Date 3/29/94	Time 1500	4. Received by	Org	Date	Time
2. Relinquished by [signature]	Org 7584	Date 3/30/94	Time 12:09	5. Relinquished by	Org	Date	Time
2. Received by [signature]	Org [illegible]	Date 3/30/94	Time [illegible]	5. Received by	Org	Date	Time
3. Relinquished by [signature]	Org [illegible]	Date 3/31/94	Time [illegible]	6. Relinquished by	Org	Date	Time
3. Received by [signature]	Org	Date 3/31/94	Time 10:30	6. Received by	Org	Date	Time

White-To Accompany Samples, Laboratory Copy Blue-To Accompany Samples, Return to SMO Pink-Field/Purchasing Copy Rev 0 10/92

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508733

Page 1 of 2

Department No: 7582
Project/Task Manager: CHRISS AAS / P. SLAVIN
Project Name: IA 3/5 SITE 31
Sample Team Members: S. YOUNG, D. SCHOFIELD, P. SLAVIN, E. VINSANT, E. HELSEL

Date Samples Shipped: 3/30/94
Carrier/Waybill No: AYCIOII
Lab Destination: ENSECO-RMAL
Lab Contact: E. [illegible]
SMO Contact/Phone: 262-8800
Send Report to SMO: Mark Lyon
SMO Reference No:

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: [illegible]
Case No: [illegible]
SMO Authorization: D. Mclaughlin

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
015339-1	SOIL	3/29/94	G	250 gm	ICE 4°C	TPH (1.3.1)		345572	
015338-1	WATER	3/30/94 11:26	G	1 L	H_2SO_4	TPH	N	13	
~~015338-2~~	~~WATER~~	~~" 11:28~~	~~G~~	~~2 L~~	~~ICE~~	~~PCB~~ 3/30/94	N	~~14~~	
~~015337-1~~	~~WATER~~	~~" 11:35~~	~~G~~	~~1 L~~	~~H_2SO_4~~	~~TPH~~ 3/30/94	N	~~15~~	
~~015337-2~~	~~WATER~~	~~" 11:35~~	~~G~~	~~2 L~~	~~ICE~~	~~PCB~~ 3/30/94	N	~~16~~	
015338-2	WATER	" 11:28	G	2X1L 3/30/94	ICE 4°C	PCB	N	14 TT	
015337-1	WATER	" 11:35	G	1 L	H_2SO_4	TPH	N	15 TT	
015337-2	WATER	" 11:35	G	2 x 1L	ICE 4°C 3/30/94	PCB	N	16 TT	

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☒ TRANSFORMER OIL

Special Instructions/QC Requirements

Turnaround Time
Normal ☒ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☒ Archive Until

1. Relinquished by [illegible]	Org 7532	Date 3/29/94	Time 1500	4. Relinquished by	Org	Date	Time
1. Received by [illegible]	Org 7584	Date 3/29/94	Time 1500	4. Received by	Org	Date	Time
2. Relinquished by [illegible]	Org 7584	Date 3/30/94	Time 12:09	5. Relinquished by	Org	Date	Time
2. Received by [illegible]	Org [illegible]	Date [illegible]	Time [illegible]	5. Received by	Org	Date	Time
3. Relinquished by [illegible]	Org [illegible]	Date [illegible]	Time [illegible]	6. Relinquished by	Org	Date	Time
3. Received by [illegible]	Org	Date 3/4/94	Time [illegible]	6. Received by	Org	Date	Time

White-To Accompany Samples, Laboratory Copy *Blue-To Accompany Samples, Return to SMO* *Pink-Field/Purchasing Copy* *Rev 0 10/92*

Rocky Mountain Analytical Laboratory

04/01/94

SAMPLE DESCRIPTION INFORMATION

for

Sandia National Laboratory

mple No.	Sample Description	Sample Type	Date Sampled	Time Sampled	Date Received
34587-0001-SA	SNL/NM015350-1	SOIL	03/29/94	11:35	03/31/94
34587-0002-SA	SNL/NM015349-1	SOIL	03/29/94	11:45	03/31/94
34587-0003-SA	SNL/NM015348-1	SOIL	03/29/94	12:00	03/31/94
34587-0004-SA	SNL/NM015347-1	SOIL	03/29/94	12:20	03/31/94
34587-0005-SA	SNL/NM015346-1	SOIL	03/29/94	12:40	03/31/94
34587-0006-SA	SNL/NM015345-1	SOIL	03/29/94	12:50	03/31/94
34587-0007-SA	SNL/NM015344-1	SOIL	03/29/94	12:58	03/31/94
34587-0008-SA	SNL/NM015343-1	SOIL	03/29/94	13:10	03/31/94
34587-0009-SA	SNL/NM015342-1	SOIL	03/29/94	13:24	03/31/94
34587-0010-SA	SNL/NM015341-1	SOIL	03/29/94	13:40	03/31/94
34587-0011-SA	SNL/NM015340-1	SOIL	03/29/94	13:50	03/31/94
34587-0012-SA	SNL/NM015339-1	SOIL	03/29/94	14:00	03/31/94
34587-0012-MS	SNL/NM015339-1	SOIL	03/29/94	14:00	03/31/94
34587-0012-SD	SNL/NM015339-1	SOIL	03/29/94	14:00	03/31/94
34587-0013-SA	SNL/NM015338-1	AQUEOUS	03/30/94	11:28	03/31/94
34587-0014-SA	SNL/NM015338-2	AQUEOUS	03/30/94	11:28	03/31/94
34587-0015-SA	SNL/NM015337-1	AQUEOUS	03/30/94	11:35	03/31/94
34587-0016-SA	SNL/NM015337-2	AQUEOUS	03/30/94	11:35	03/31/94

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 01817

AR/COC No.: AR/COC- 508732, 508733

PAGE 2 OF 2

GENERAL INFORMATION

DATE: 3/29/94 WEATHER: CLEAR COOL, (50°F)

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL W/SPADE - TA 3/5 RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: DON SCHOFIELD ORG. 7584 PHONE 845-3041

AREA: III LOCATION: CENTRIFUGE

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH (418.1)	PCB (8080)						
015342-1	1324	31-55-08		G	N	X	X						
015341-1	1340	31-55-09		G	N	X	X						
015340-1	1350	31-55-10		G	N	X							
015339-1	1400	31-55-11	SNL/NM 015339 ; 2 BOTTLES FOR ANALYSIS + MATRIX SPIKE, MATRIX SPIKE DUP	G	N/Y	X							
015338-1+2 (PA 3-29-94)	11:28	31-55-FBA	FIELD BLANK water SPLIT 1 = TPH; SPLIT 2 = PCB	G	Y	X	X						
015337-1+2	11:35	31-55-RBA	RINSATE BLANK water SPLIT 1 = TPH; SPLIT 2 = PCB	G	Y	X	X						
3/30/94													

PROJECT

PROJECT NAME: TA 3/5 CASE NUMBER: 3617.300 PROJECT CONTACT: PAULA SLAVIN ORG. 7582 PHONE 845-0334

ADDITIONAL INFORMATION: (Log Book Ref. #)

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. DON SCHOFIELD		DS	SNL/7584
2. PAULA SLAVIN		PS	SNL/7582
3. FRED HELSEL		FH	SNL/7584

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Enseco

TRANSPORTED BY: A44011

SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 3/30/94

DATA ENTERED (MM-DD-YY): 4/3/94 BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 01815

AR/COC No.: AR/COC- 508732

PAGE 1 OF 2

GENERAL INFORMATION

DATE: 3/29/94 WEATHER: CLEAR, COOL, STILL (~50°F)

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL WITH SPADE / TA3/5 RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: DON SCHOFIELD ORG: 7584 PHONE: 845-3041

AREA: III LOCATION: CENTRIFUGE

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp	QC Sample (Y/N)	ANALYSES: TPH (418.1)	ANALYSES: PCB (8080)
015350-1	11:35	31-SS-01	5FT WEST OF NE Pad Corner; 6" DEEP	G	N	X	
015349-1	11:45	31-SS-02		G	N	X	
015348-1	1200	31-SS-03		G	N	X	
015347-1	1220	31-SS-04		G	N	X	
015346-1	1240	31-SS-05		G	N	X	
015345-1	1250	31-SS-06		G	N	X	X
015344-1	1258	31-SS-06D	DUPLICATE OF 31-SS-06	G	Y	X	X
015343-1	1310	31-SS-07		G	N	X	

PROJECT

PROJECT NAME: TA3/5 CASE NUMBER: 3617.300 PROJECT CONTACT: PAULA SLAVIN ORG: 7582 PHONE: 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #)

FROM NE CORNER OF PAD; SAMPLE 31-SS-01 5FT WEST. CONTINUE COUNTER CLOCKWISE AT 5 FT INTERVALS ACCORDING TO MAP IN SAP

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. DON SCHOFIELD	[signature]	DPS	SNL/7584
2. PAULA SLAVIN	[signature]	PLS	SNL/7582
3. SHARISSA YOUNG	[signature]	SY	SNL/7584

SAMPLE TRACKING

SAMPLE DISTRIBUTION: Enseco

TRANSPORTED BY: [signature] A44011

SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 3/30/94

DATA ENTERED (MM-DD-YY): 4/3/94

BY: [signature]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508732

Department No: 7582
Project/Task Manager: CHRIS AMS/P. SLAVIN
Project Name: TA3/5 SITE 31
Sample Team Members: S. YOUNG, D. SCHOFIELD, P. SLAVIN, E. VINSANT, E. LEKER JR

Date Samples Shipped: 3/30/94
Carrier/Waybill No: 4445 11
Lab Destination: ENSECO-RMAL
Lab Contact: E. LAFLIURE
SMO Contact/Phone: 262-6800
Send Report to SMO: MARK LYON
SMO Reference No:

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: 62-9736B
Case No: 3617.300
SMO Authorization: D. McFarlane

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
SNL/NM 015350-1	SOIL	3/29/94 11:35	G	250ml	4°C	TPH (418.1)	N		
015349-1	"	" 11:45	"	"	"	TPH (418.1)	N		
015348-1	"	" 1200	"	"	"	TPH (418.1)	N		
015347-1	"	" 1220	"	"	"	TPH (418.1)	N		
015346-1	"	" 1240	"	"	"	TPH (418.1)	N		
015345-1	"	" 1250	"	"	"	TPH (418.1); PCB (8080)	N		
015344-1	"	" 1258	"	"	"	TPH (418.1); PCB (8080)	N		
015343-1	"	" 1310	"	"	"	TPH (418.1)	N		
015342-1	"	" 1324	"	"	"	TPH (418.1), PCB (8080)	N		
015341-1	"	" 1340	"	"	"	TPH (418.1); PCB (8080)	N		
015340-1	"	" 1350	"	"	"	TPH (418.1)	N		

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☒ TRANSFORMER OIL

Special Instructions/QC Requirements

Turnaround Time
Normal ☒ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☒ Archive Until

1. Relinquished by	Org 7532	Date 3/29/94	Time 1500	4. Relinquished by	Org	Date	Time
1. Received by	Org 7584	Date 3/29/94	Time 1500	4. Received by	Org	Date	Time
2. Relinquished by	Org 7584	Date 3/30/94	Time 12:09	5. Relinquished by	Org	Date	Time
2. Received by	Org [illegible]	Date 3/30/94	Time [illegible]	5. Received by	Org	Date	Time
3. Relinquished by	Org [illegible]	Date 3/30/94	Time [illegible]	6. Relinquished by	Org	Date	Time
3. Received by	Org	Date	Time	6. Received by	Org	Date	Time

White-To Accompany Samples, Laboratory Copy *Blue-To Accompany Samples, Return to SMO* *Pink-Field/Purchasing Copy* *Rev 0 10/92*

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

No: 508755

Page 2 of 2

Department No: 7582
Project/Task Manager: CHRISS AAS / P. SLAVIN
Project Name: TA 3/5 SITE 31
Sample Team Members: S. YOUNG, D. SCHOFIELD, P. SLAVIN, E. VINSANT, E. HEISEL

Date Samples Shipped: 3/30/94
Carrier/Waybill No: AYLOU
Lab Destination: ENSECO-RMAL
Lab Contact: C. LA BOUVE
SMO Contact/Phone: 262-8800
Send Report to SMO: MARK LYON
SMO Reference No:

Bill to: Sandia National Laboratories, Supplier Services Department 0154, P.O. Box 5800, Albuquerque, NM 87185
Contract No: 67-9736B
Case No: 3617.300
SMO Authorization: D. McDaniel

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
015335-1	SOIL	3/29/94	G	250 ml	ICE 4°C 3/30/94	TPH (11.1)	N		
015333-1	WATER	3/30/94 11:28	G	1 L	H_2SO_4	TPH	N		
~~015339-2~~	~~WATER~~	" 11:28	G	~~2L~~	~~ICE~~	~~PCB~~ 3/30/94	N		
~~015336-1~~	~~WATER~~	" 11:35	G	~~1L~~	~~H_2SO_4~~	~~TPH~~ 3/30/94	N		
~~015337-2~~	~~WATER~~	" 11:35	G	~~2L~~	~~ICE~~	~~PCB~~ 3/30/94	N		
015339-2	WATER	" 11:28	G	2X1L	ICE 4°C 3/30/94	PCB	N		
015337-1	WATER	" 11:35	G	1 L	H_2SO_4	TPH	N		
015337-2	WATER	" 11:35	G	2 x 1L	ICE 4°C 3/30/94	PCB	N		

Possible Hazard Identification
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Other ☒ TRANSFORMER OIL

Turnaround Time
Normal ☒ Rush ☐ Required Report Date

Sample Disposal
Return to Client ☐ Disposal by Lab ☒ Archive Until

Special Instructions/QC Requirements

1. Relinquished by	Org 7532	Date 3/29/94	Time 1500	4. Relinquished by	Org	Date	Time
1. Received by	Org 7584	Date 3/29/94	Time 1500	4. Received by	Org	Date	Time
2. Relinquished by	Org 7584	Date 3/30/94	Time 12:09	5. Relinquished by	Org	Date	Time
2. Received by	Org 7576	Date 3/30/94	Time 12:09	5. Received by	Org	Date	Time
3. Relinquished by	Org 7576	Date 3/30/94	Time 15:00	6. Relinquished by	Org	Date	Time
3. Received by	Org	Date	Time	6. Received by	Org	Date	Time

White-To Accompany Samples, Laboratory Copy *Blue-To Accompany Samples, Return to SMO* *Pink-Field/Purchasing Copy* *Rev 0 10/92*

FAX TRANSMITTAL	# of Pages 1 of 1
To Pam Puissant	From Ellen LaRiviere
Co. Sandia	Co. RMAL
Fax # (505) 848-0998	Phone 303-421-6611 Fax 303-431-7171

ENSECO-ROCKY MOUNTAIN ANALYTICAL
CHANGE ORDER

Client Name Sandia
RMAL Project Number 034587
Date of Request 03/31/94
Change Order Submitted to Client
Date 3/31/94

Program Name/Lims Number 001429
TA3/5 Site 31
Contact Ellen LaRiviere
Authorized Client Representative
Mark Lyon / Pam Puissant

TYPE OF CHANGE

Method ____ Sample Del. Schedule ____ SDA Criteria ____ Matrix ____ QC Change X
Bottles Received ____ Deliverable ____ C of C Discrepancies ____

PROGRAM CHANGE ____ **PROJECT CHANGE** X

DESCRIPTION OF MODIFICATION/CHANGE/DISCREPANCY/NOTIFICATION An extra sample container was received for SNL/NM015339-1. An MS/MSD was not requested on the chain of custody but should be analyzed - per a telephone conversation with Pam Puissant on 3/31/94

Date change is to be implemented _____

APPROVED BY: CLIENT REP _____ ENSECO REP eml

Follow-up required: N/A ___ Yes _____

SHIPPER

11-AE(1-83)

Sandia National Laboratories

1 [X] New Mexico [ ] California [ ] Other

TO: *Typed or neatly printed*

2 Enseco Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
Attn: Ms. Ellen La Riviere
Contract No. 67-9736B

AR/COC # 508732/508733

Gate Exit Time & Date 3

Highest Material Security Class. 4: U

Page 1 of 1

Date to be Returned 5: [X] No Return

Document No.: A 44011

Shipping Code: 02

Shipment Register No.: 47051

Due at Destination 6: 3/31/94 (Date) [X] Firm (Premium transportation authorized) [ ] Flex (Most economical transportation)

Originator of Form 9: D.L. McLaughlin | Org. 7576 | Phone 4-0941

Date Prepared 10: 3/30/94

FROM: 11 Site: TAI | Bldg.: 870B | Room: 1 | Org.: 7576

Requester's E No. 12: 03319 | Requester's Name (Write "Same" if also originator): Same | Org.: Same | Phone:

Case No. 13: 4298.3000

Material Billing 14: [ ] Charge [X] No Charge

Freight Billing 15: [X] Prepaid [ ] Collect *If collect, carrier & acct no. (if known)*

Reason for Shipment 16: EPA Regulatory Compliance

Authority for Shipment 17: ~~67-9736B~~ N/A

Item No. 18	Sec. Class. 19	Quantity 20	Unit 21	Haz. Mat'l. 22	Property Tag No. And/Or MID No. 23	Description 24	Unit Value 25	$ Total 26
1	U	1	ea	N	N/A	Environmental Water & Soil Samples	N/A	N/A

Last Item

IMPORTANT: SANDIA TRAFFIC ANALYST, PLEASE FAX COPY OF COMPLETED SHIPPER AND WAYBILL TO SMO FACILITY, FAX # 844-4976, IMMEDIATELY UPON SHIPMENT.

Grand Total 27 $

3/30/94 9:05

DOE Transportation Safeguards Div. Courier Required? 28: [ ] YES [X] NO

Service Clerk 29: [signature]

Property Mgmt. Rep. 30: N/A

Date Shipped or Hand Carried 31: 3/30/94

Routing 32: Dave Ott

B/L No. 33: 77711

No. of Boxes 34: 1

Weight 35: 64 lbs

Total Cubic Feet/Dimensions 36: 4.4 / 30x16x16

Authorizing Signature 37: Jim D. Fish, 7576 [signature] for JDFish

Signature of manager above typed or printed name and Org.

I certify that the material being offered for shipment is nonhazardous unless noted as hazardous in block 22 and required information is being provided.

Special Approval 38: Name | Org.

Special Approval: Name | Org.

Bearer's Signature

40 Receipt Acknowledged: Recipient's Signature/Company | Date

Contract or PEL/MEL Rep. 41: [ ] External Loan | Name | Org.

The listed material and accompanying information has been examined and the hazardous material designations and all preparations for shipment are certified correct. 42: Hazardous Material Consultant

43: [signature] Packed by

Ply 1:
Corporate File - Retained by the Traffic Organization after shipper is complete and items are ready for shipment.

Sandia National Laboratories

ALBUQUERQUE, NEW MEXICO 8
LIVERMORE, CALIFORNIA 9

STRAIGHT BILL OF LADING - DOMESTIC - ORIGINAL - NOT NEGOTIABLE

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western, and Illinois Freight Classifica in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification of tariff if this is a motor carrier shipment.

Shipper hereby certifies it is familiar with all the terms and conditions of the said of lading, including those on the back thereof set forth in the classification or tari which governs the transportation of this shipment, and the said terms and condit are hereby agreed to by the shipper and accepted for itself and its assigns.

Transportation Company Tendered to: BURLINGTON AIR EXPRESS

Traffic Control No. 77711

Consignee: ENSECO ROCKY MOUNTAIN ANALYTICAL LAB
4955 YARROW STREET
ATTN: MS. ELLEN LA RIVIERE
CONTRACT #67-9736B AR/COC# 508732/508733

From: US/DOE SANDIA NATIONAL LABORATORIES
1515 EUBANK BLVD. SE
ALBUQUERQUE, NM 87123

Date B/L Issued: 3-30-94

Full Name of Shipper: SANDIA NATIONAL LABORATORIES

Destination: ARVADA, CO 80002

State of:

Marks: 7576/42983000/C47051

VIA: BURL-OVERNITE

Charges to be Billed To:
- [ ] Consignee
- [x] Sandia National Laboratories

Mail Bills To:
- [x] Sandia Traffic, P.O. Box 5800, Albuquerque, NM 87185
- [ ] Sandia Traffic, P.O. Box 969, Livermore, CA 94551

PACKAGES No.	PACKAGES Kind	HM	DESCRIPTION OF MATERIALS (Use of Carriers' Classification or Tariff Description if Possible. Otherwise a clear Nontechnical Description.)	WEIGHTS *	RATE	CHARGES
1	COOLER		SAMPLES 30X16X16	64		

Subject to Section 7 of conditions of applicable bill lading, if this shipment is to be delivered to the consigne without recourse on the consignor, the consignor sha sign the following statemen

The carrier shall not mak delivery of this shipment without payment of freigh and all other lawful charg

Per _____ (Signature of Consigno

FREIGHT CHARGES
- [ ] Collect
- [x] Prepaid

This shipment is consigned t Sandia National Laboratorie for the U.S. Department of Energy which will assume th freight charges, and is subje to the same terms and conditions set forth in the standard form of the U.S. Government bill of lading an to any special rate or charge

If the charges are $10,000 or more, except as otherwise provided therein, the clauses contained in Executive Order No. 11246 as amended by Executive Order No. 11375 relative to employment opportunity for all persons without regard to race, color, religion, sex, or national origin and the implementing rules and regulations prescribed by the Secretary of Labor are incorporated herein.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." Show also cubic measurements for shipments via air, truck, or water carrier where required.

TARIFF OR SPECIAL RATE AUTHORITIES

* Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Car or Vehicle Initials and No.

Date of Receipt of Shipment

Initial Carrier's Agent, by signature below, certifies he received the original Bill of Lading (Indicated by Check) [ ] Yes

Signature of Agent _____ Per _____

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

MARGIE LOVATO 3-30-94

Enseco

RECEIVED

APR 29 1994

IT CORP.-ALBUQUERQUE

April 28, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for twelve soil samples and four aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on March 31, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #034587

DATA REVIEWED

MB Garcia Date: 5-19-94

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 034587

APRIL 28, 1994

Enseco

RECEIVED

APR 2 9 1994

IT CORP.-ALB

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On March 31, 1994, Enseco-Rocky Mountain Analytical Laboratory received twelve soil samples and four aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Rocky Mountain Analytical Laboratory sample 034587-0013-SA was diluted for total petroleum hydrocarbon analysis due to the concentration of target analytes present in the sample.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
034587-0001-SA	SNL/NM015350-1	SOIL	29 MAR 94	11:35	31 MAR 94
034587-0002-SA	SNL/NM015349-1	SOIL	29 MAR 94	11:45	31 MAR 94
034587-0003-SA	SNL/NM015348-1	SOIL	29 MAR 94	12:00	31 MAR 94
034587-0004-SA	SNL/NM015347-1	SOIL	29 MAR 94	12:20	31 MAR 94
034587-0005-SA	SNL/NM015346-1	SOIL	29 MAR 94	12:40	31 MAR 94
034587-0006-SA	SNL/NM015345-1	SOIL	29 MAR 94	12:50	31 MAR 94
034587-0007-SA	SNL/NM015344-1	SOIL	29 MAR 94	12:58	31 MAR 94
034587-0008-SA	SNL/NM015343-1	SOIL	29 MAR 94	13:10	31 MAR 94
034587-0009-SA	SNL/NM015342-1	SOIL	29 MAR 94	13:24	31 MAR 94
034587-0010-SA	SNL/NM015341-1	SOIL	29 MAR 94	13:40	31 MAR 94
034587-0011-SA	SNL/NM015340-1	SOIL	29 MAR 94	13:50	31 MAR 94
034587-0012-SA	SNL/NM015339-1	SOIL	29 MAR 94	14:00	31 MAR 94
034587-0012-MS	SNL/NM015339-1	SOIL	29 MAR 94	14:00	31 MAR 94
034587-0012-SD	SNL/NM015339-1	SOIL	29 MAR 94	14:00	31 MAR 94
034587-0013-SA	SNL/NM015338-1	AQUEOUS	30 MAR 94	11:28	31 MAR 94
034587-0014-SA	SNL/NM015338-2	AQUEOUS	30 MAR 94	11:28	31 MAR 94
034587-0015-SA	SNL/NM015337-1	AQUEOUS	30 MAR 94	11:35	31 MAR 94
034587-0016-SA	SNL/NM015337-2	AQUEOUS	30 MAR 94	11:35	31 MAR 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 034587	Group Code	Analysis Description	Custom Test?
0001 - 0005, 0008 , 0011, 0012	A	Total Petroleum Hydrocarbons (TPH), IR	N
0006 - 0007, 0009 - 0010	B	Total Petroleum Hydrocarbons (TPH), IR	N
		PCBs	N
		Prep - PCBs by GC	N
0013 , 0015	C	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0014 , 0016	D	PCBs	N
		Prep - PCB by GC	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
034587-0006-SA	SOIL	PCB-S	07 APR 94-N1	07 APR 94-N1
034587-0007-SA	SOIL	PCB-S	07 APR 94-N1	07 APR 94-N1
034587-0009-SA	SOIL	PCB-S	07 APR 94-N1	07 APR 94-N1
034587-0010-SA	SOIL	PCB-S	07 APR 94-N1	07 APR 94-N1
034587-0014-SA	AQUEOUS	PCB-A	01 APR 94-N1	01 APR 94-N1
034587-0016-SA	AQUEOUS	PCB-A	01 APR 94-N1	01 APR 94-N1

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PCB-S Matrix: SOIL QC Lot: 07 APR 94-N1 Concentration Units: ug/kg								
Aroclor 1254	33.3	31.3	33.9	32.6	98	49-130	8.0	20
Category: PCB-A Matrix: AQUEOUS QC Lot: 01 APR 94-N1 Concentration Units: ug/L								
Aroclor 1254	1.00	0.995	0.904	0.950	95	46-130	9.6	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-S			
Matrix: SOIL			
QC Lot: 07 APR 94-N1 QC Run: 07 APR 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33
Test: 8080-PCB-A			
Matrix: AQUEOUS			
QC Lot: 01 APR 94-N1 QC Run: 01 APR 94-N1			
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
034587-0001-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0002-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0003-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0004-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0005-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0006-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0007-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0008-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0009-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0010-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0011-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0012-SA	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0012-MS	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0012-SD	SOIL	TPH-IR-S	22 APR 94-N1	22 APR 94-N1
034587-0013-SA	AQUEOUS	TPH-IR-A	19 APR 94-9D	19 APR 94-9D
034587-0015-SA	AQUEOUS	TPH-IR-A	19 APR 94-9D	19 APR 94-9D

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 22 APR 94-N1 Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1288	1420	1480	1450	112	75-123	3.9	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 19 APR 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	16.6	19.6	18.1	91	64-111	17	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S Matrix: SOIL QC Lot: 22 APR 94-N1 QC Run: 22 APR 94-N1			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-S Matrix: SOIL QC Lot: 22 APR 94-N1 QC Run: 22 APR 94-N1			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A Matrix: AQUEOUS QC Lot: 19 APR 94-9D QC Run: 19 APR 94-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	034587-0012-SD	22 APR 94-N1
MATRIX SPIKE	TPH-IR-S	034587-0012-MS	22 APR 94-N1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

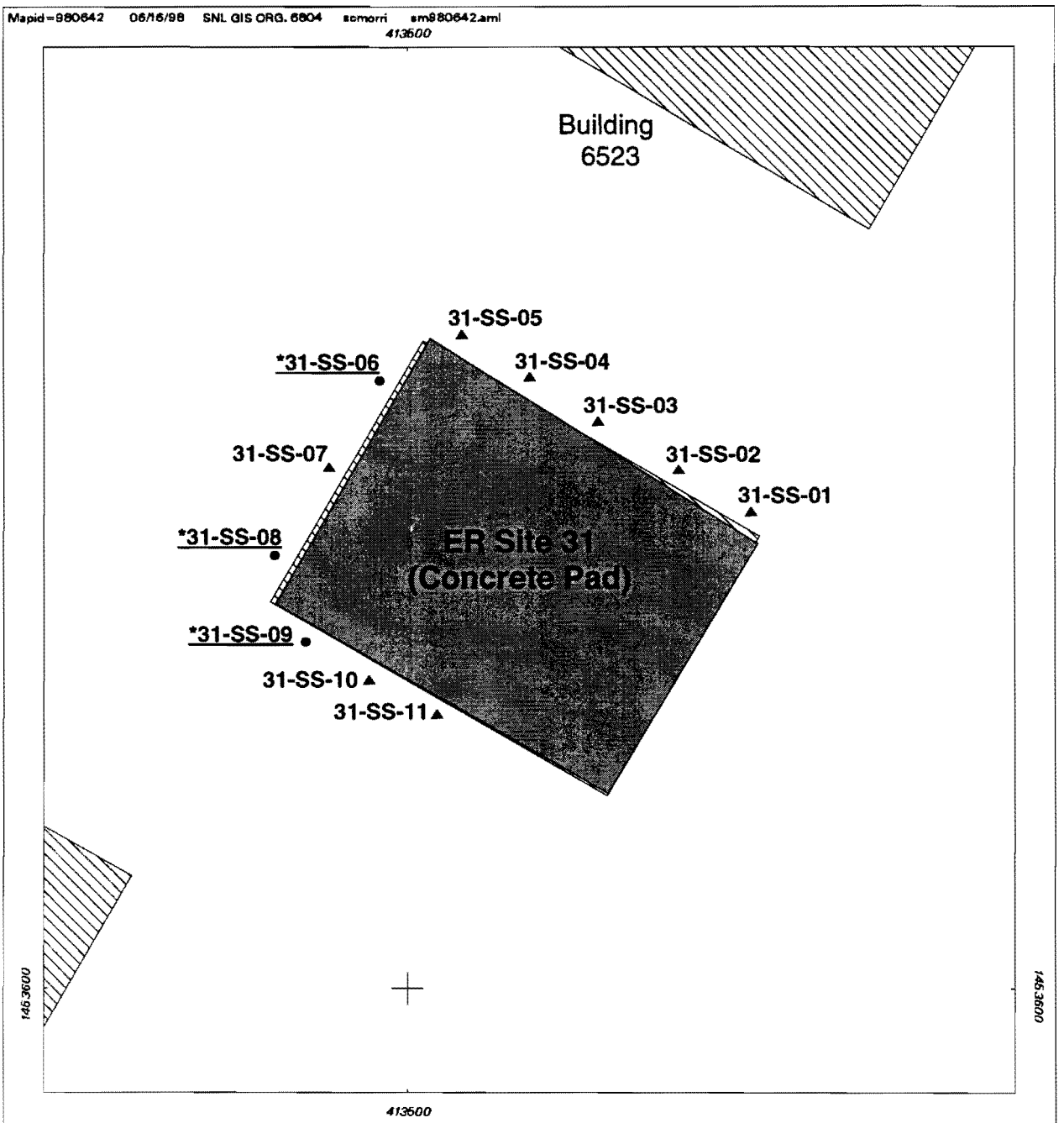
Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: TPH-IR-S								
Matrix SOIL								
Sample: 034587-0012								
Units: mg/kg								
Total Petroleum Hydrocarbons	ND	216	217	250	250	86	87	1

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

Attachment 31-2

Figure 5-2: ER Site 31, Location of Surface Soil Samples, TA-III



Legend

31-SS-04 ▲ Surface Soil Samples

*31-SS-09 ● Analyzed for TPH and PCBs (field screened & offsite lab for PCBs)

Roads

Buildings

ER Site 31

Figure 5-2
ER Site 31 Location of Surface Soil Samples, TA III

0 5 10
Scale in Feet

0 1.2 2.4
Scale in Meters

N

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Attachment 34-1

Laboratory Analytical Results for ER Site 34

Laboratory QA/QC – copied from laboratory reports

ER Site 34 Analytical Results
Analytical Lab: Analytical Technologies Inc., Albuquerque

Test Method	Analyte	Sample ID	Sample Depth (ft)	Sample Date	Result	Units	MDL	Qualifier
418.1	Total Petroleum Hydrocarbons	TA3-34-G-01-10	10	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-01-15	15	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-01-30	30	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-02-10	10	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-02-15	15	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-02-25	25	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-03-10	10	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-03-15	15	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-03-30	30	05/20/95	ND	mg/kg	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-03-30D	30	05/20/95	ND	mg/kg	20	U

ER Site 34 QA/QC Results

Analytical Lab: Analytical Technologies Inc., Albuquerque

Test Method	Analyte	Sample ID	Sample Depth (ft)	Sample Date	Result	Units	Detection Limits	Qualifier
418.1	Total Petroleum Hydrocarbons	TA3-34-G-01-RBA	0	05/20/95	ND	mg/L	20	U
418.1	Total Petroleum Hydrocarbons	TA3-34-G-02-FBA	0	05/20/95	ND	mg/L	20	U

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **505389**

June 1, 1995

Sandia National Laboratories
P.O. Box 5800-MS1347
Albuquerque, NM 87185-1347

Project Name/Number: SITE 34

Attention: Paula Slavin

On **05/25/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous and non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SANDIA NATIONAL LABS	DATE RECEIVED	: 05/25/95
PROJECT #	: (NONE)		
PROJECT NAME	: SITE 34	REPORT DATE	: 06/01/95

ATI ID: 505389

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	TA3-34-G-01-30	NON-AQ	05/20/95
02	TA3-34-G-01-RBA	AQUEOUS	05/20/95
03	TA3-34-G-02-15	NON-AQ	05/20/95
04	TA3-34-G-02-FBA	AQUEOUS	05/20/95
05	TA3-34-G-02-25	NON-AQ	05/20/95
06	TA3-34-G-03-30	NON-AQ	05/20/95
07	TA3-34-G-03-30D	NON-AQ	05/20/95
08	TA3-34-G-02-10	NON-AQ	05/20/95
09	TA3-34-G-03-15	NON-AQ	05/20/95
10	TA3-34-G-01-10	NON-AQ	05/20/95
11	TA3-34-G-03-10	NON-AQ	05/20/95
12	TA3-34-G-01-15	NON-AQ	05/20/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	2
NON-AQ	10

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/26/95

PARAMETER	UNITS	02	04
PETROLEUM HYDROCARBONS, IR	MG/L	<1	<1

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: SITE 34	UNITS	: MG/L

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	052695	<1	<1	NA	12	12	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	01	03	05	06
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	07	08	09	10
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	01	03	05	06
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: SITE 34	UNITS	: MG/KG

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	50538906	<20	<20	NA	170	150	113

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 5/25/95 PAGE 1 OF 2

ATI LAB I.D. 505389

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: PAULA SLAVIN

COMPANY: Sandia Nat'l Laboratories
ADDRESS: P.O. Box 5800 - MS 1347
Albuquerque, NM 87185-1347
PHONE: 505 - 848 - 0334
FAX: 505 - 848 - 0398

BILL TO:
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
TA3-34-G-01-30	5/20/95	1040	Soil	01	X																												1
TA3-34-G-01-RBA		1050	Water	02	X																												2
TA3-34-G-02-15		1142	Soil	03	X																												1
TA3-34-G-02-FBA		1150	Water	04	X																												1
TA3-34-G-02-25		1340	Soil	05	X																												1
TA3-34-G-03-30		1545	Soil	06	X																												1
TA3-34-G-03-30D		1545	Soil	07	X																												1
TA3-34-G-02-10		1137	Soil	08	X																												1
TA3-34-G-03-15		1410	Soil	09	X																												1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	9
PROJ. NAME: Site 34		CUSTODY SEALS	Y / N / NA
P.O. NO.: AM - 0949		RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Jan McCurtis Time: 1310	Signature: Time:	Signature: Time:
Printed Name: JAN Curtis Date: 5/25/95	Printed Name: Date:	Printed Name: Date:
Company: Weston Phone: 848-0345	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1310
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: 5/25/95
Company:	Company:	Analytical Technologies, Inc.

Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 5/25/95 PAGE 2 OF 2

ATI LAB I.D. 505389

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: PAULA SLAVIN

COMPANY: Sandia Nat'L Laboratories
ADDRESS: P.O. Box 5800 – MS 1317
Albuquerque, NM 87185-1347
PHONE: 505 – 848-0334
FAX: 505 – 848-0398

BILL TO:
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
TA3-34-G-01-10	5/20/95	0945	Soil	10	X																												1
TA3-34-G-03-10	↓	1405	Soil	11	X																												1
TA3-34-G-01-15	↓	1000	Soil	12	X																												1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	3
PROJ. NAME:	Site 34	CUSTODY SEALS	(Y) / N / NA
P.O. NO.:	AM – 0949	RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:

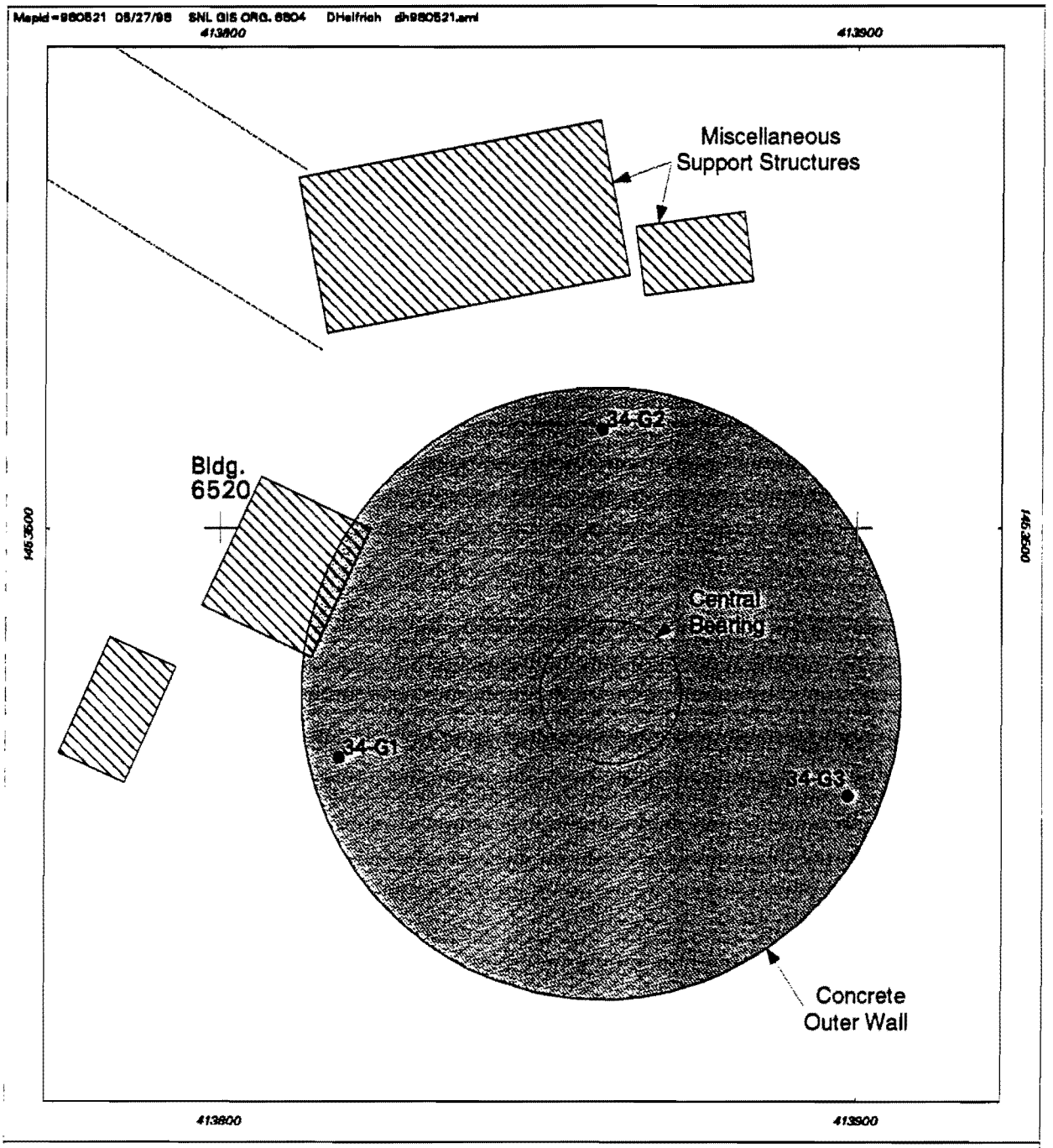
SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: JAN Curtis Time: 1310	Signature: Time:	Signature: Time:
Printed Name: JAN Curtis Date: 5/25/95	Printed Name: Date:	Printed Name: Date:
Company: Weston Phone: 848-0345	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1310
Printed Name: Date:	Printed Name: Date:	Printed Name: Diane Curtis Date: 5/25/95
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI Pink - ORIGINATOR

Attachment 34-2

Figure showing ER Site 34, Centrifuge Oil Spill Sample Location



Legend

- Sample Location
- Road
- Building / Structure
- ER Site 34

ER Site 34
Centrifuge Oil Spill
Sample Locations

0 12.5 25
Scale in Feet

0 3 6
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Attachment 35-1

Laboratory Analytical Results for ER Site 31

Laboratory QA/QC – copied from laboratory reports

ER Site 35 RFI Analytical Results for Soil Samples; Total Petroleum Hydrocarbons (EPA Method 3550/418.1)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Units	Amount Detected	QC Flag	Material Description
TA3/5-35-B1-3	SNL0130412	F	29-JUN-94	4	mg/kg	<20	U	SOIL
TA3/5-35-B1-13	SNL0130414	F	29-JUN-94	14	mg/kg	<20	U	SOIL
TA3/5-35-B2-13	SNL0130415	F	29-JUN-94	14	mg/kg	<20	U	SOIL
TA3/5-35-B3-3	SNL0130418	F	29-JUN-94	4	mg/kg	58.3		SOIL
TA3/5-35-B3-13	SNL0130420	F	29-JUN-94	14	mg/kg	<20	U	SOIL
TA3/5-35-B4-13	SNL0130423	F	29-JUN-94	16	mg/kg	<20	U	SOIL
TA3/5-35-B4-13D	SNL0130424	D	29-JUN-94	16	mg/kg	<20	U	SOIL
TA3/5-35-SS-01	SNL0130034	F	15-APR-94	0.5	mg/kg	5710		SOIL
TA3/5-35-SS-02	SNL0130033	F	15-APR-94	0.5	mg/kg	7200		SOIL
TA3/5-35-SS-02D	SNL0130032	D	15-APR-94	0.5	mg/kg	6710		SOIL
TA3/5-35-SS-03	SNL0130031	F	15-APR-94	0.5	mg/kg	968		SOIL
TA3/5-35-RBA-1	SNL0130422	EB	29-JUN-94	0	mg/L	<1	U	WATER
TA3/5-35-SS-RBA	SNL0130029	EB	15-APR-94	0	mg/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130417	FB	29-JUN-94	0	mg/L	<1	U	WATER
TA3/5-35-SS-FBA	SNL0130030	FB	15-APR-94	0	mg/L	<1	U	WATER
TA3/5-35-B3-13	SNL/NM016490-1	SD	29-JUN-94	14	mg/kg	269		SOIL
TA3/5-35-SS-02	SNL/NM015321-1	SD	15-APR-94	0.5	mg/kg	7560		SOIL

ER Site 35 RFI Analytical Results for Soil Samples; PCBs (EPA Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1016	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1221	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1232	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1242	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1248	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1254	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1260	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1016	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1221	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1232	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1242	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1248	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1254	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1260	8080	ug/Kg	<33	U	SOIL
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1016	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1221	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1232	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1242	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1248	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1254	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1260	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1016	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1221	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1232	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1242	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1248	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1254	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1260	8080	ug/L	<1	U	WATER

[redacted]

ER Site 35 RFI Analytical Results for Soil Samples; PCBs (EPA Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1016	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1221	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1232	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1242	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1248	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1254	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B1-3	SNL0130413	F	4	Aroclor 1260	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1016	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1221	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1232	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1242	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1248	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1254	8080	ug/Kg	<33	U	SOIL
TA3/5-35-B3-3	SNL0130419	F	4	Aroclor 1260	8080	ug/Kg	<33	U	SOIL
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1016	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1221	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1232	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1242	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1248	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1254	8080	ug/L	<1	U	WATER
TA3/5-35-FBA-1	SNL0130416	FB	0	Aroclor 1260	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1016	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1221	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1232	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1242	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1248	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1254	8080	ug/L	<1	U	WATER
TA3/5-35-RBA-1	SNL0130421	EB	0	Aroclor 1260	8080	ug/L	<1	U	WATER

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 08626

AR/COC No.: AR/COC- 00352

PAGE 1 OF ____

GENERAL INFORMATION	DATE: 6-29-94	WEATHER: PARTLY CLOUDY, 90'S -100'S	SAMPLING INFORMATION	ON-SITE CONTACT: PAULA SLAVIN	ORG: 7582 / PHONE: 848-0334
	SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP			AREA: TA 3	LOCATION: SITE 35 - VIBRATION FACILITY
	PURPOSE OF SAMPLING: PHASE 1 RFI				

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER ____

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER ____

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	TPH (418.1)	PCB (8080)						
016481-1	1015	35-B1-3	2'-4' (2)	G	N	X	X						
016482-1	1030	35-B1-8	7'-9' (1)	G	N	X							
016483-1	1040	35-B1-13	12-14' (2)	G	N	X							
016484-1	1115	35-B2-3	2'-4' (1)	G	N	X							
016485-1	1125	35-B2-8	7'-9' (1)	G	N	X							
016486-1	1140	35-B2-13	12'-14' (2)	G	N	X							
016487-1	1145	35-FBA-1	FIELD BLANK (2)	G	Y		X						
016488-1	1145	35-FBA-1	FIELD BLANK (2)	G	Y	X							

PROJECT	PROJECT NAME	CASE NUMBER	PROJECT CONTACT	ORG	PHONE
	TA 3/5 - SITE 35	3617.300	PAULA SLAVIN	7582	848-0334

*ADDITIONAL INFORMATION: (1) SAMPLES ARCHIVED AT TA3, BUILDING 6540 (2) SAMPLES SENT TO ENSECO/RMAL

(Log Book Ref. #) PROJ. NO: 301455.152.02

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
	1. Tim Jackson	Tim Jackson	TJ	IT CORP
	2.			
	3.			

SAMPLE TRACKING			
	SAMPLE DISTRIBUTION: ENSECO / RMAL	TRANSPORTED BY: A 44370	SPECIAL HANDLING:
	DATE SHIPPED (MM-DD-YY): 6/30/94	DATA ENTERED (MM-DD-YY): 7/6/94	BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCC (4-94)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 00626

AR/COC No.: AR/COC- 0035X

PAGE 2 OF 2

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TPH (418.1)	ANALYSES: PCBs (8082)						
016488-1	1311	35-B3-3	2'-4' ②	G	N	X	X						
016489-1	1315	35-B3-8	7-9' ①	G	N	X							
016490-1	1325	35-B3-13	12'-14' ② MS/MSD	G	Y	X							
016491-1	1340	35-RBA-1	EQUIPMENT BLANK, WATER MATRIX ②	G	Y		X						
016491-2	1340	35-RBA-1	↓ ↓ ②	G	Y	X							
016492-1	1412	35-B4-2	2'-4' ①	G	N	X							
016493-1	1415	35-B4-8	7'-9' ①	G	N	X							
016494-1	1435	35-B4-13	12'-16' ②	G	N	X							
016495-1	1445	35-B4-13D	12'-16' DUPLICATE OF SNL/NM 016494-1 ②	G	Y	X							

WHITE - To Sample Management Office PINK - Originator

Rocky Mountain
Analytical Laboratory

Enseco

RECEIVED
AUG 16 1994
SNL/SMO

August 12, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for seven soil samples and four aqueous samples received at Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) on July 1, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere
Program Administrator

EL
Enclosures

Quanterra #036605

DATA REVIEWED

By: MS Garcia Date: 8-31-94

Checked: _____

Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA ENVIRONMENTAL SERVICES, DENVER

PROJECT NUMBER 036605

AUGUST 12, 1994

Enseco

RECEIVED
AUG 16 1994
SNL/SMO

DATA REVIEWED

By: MS Garcia Date: 8-31-94

Checked: _____

Approved: _____

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On July 1, 1994, Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) received seven soil samples and four aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra Environmental Services, Denver is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036605-0001-SA	SNL/NM016481-1	SOIL	29 JUN 94	10:15	01 JUL 94
036605-0002-SA	SNL/NM016483-1	SOIL	29 JUN 94	10:40	01 JUL 94
036605-0003-SA	SNL/NM016487-1	AQUEOUS	29 JUN 94	11:45	01 JUL 94
036605-0004-SA	SNL/NM016487-2	AQUEOUS	29 JUN 94	11:45	01 JUL 94
036605-0005-SA	SNL/NM016486-1	SOIL	29 JUN 94	11:40	01 JUL 94
036605-0006-SA	SNL/NM016488-1	SOIL	29 JUN 94	13:11	01 JUL 94
036605-0007-SA	SNL/NM016490-1	SOIL	29 JUN 94	13:25	01 JUL 94
036605-0007-MS	SNL/NM016490-1	SOIL	29 JUN 94	13:25	01 JUL 94
036605-0007-SD	SNL/NM016490-1	SOIL	29 JUN 94	13:25	01 JUL 94
036605-0008-SA	SNL/NM016491-1	AQUEOUS	29 JUN 94	13:40	01 JUL 94
036605-0009-SA	SNL/NM016491-2	AQUEOUS	29 JUN 94	13:40	01 JUL 94
036605-0010-SA	SNL/NM016494-1	SOIL	29 JUN 94	14:35	01 JUL 94
036605-0011-SA	SNL/NM016495-1	SOIL	29 JUN 94	14:45	01 JUL 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036605	Group Code	Analysis Description	Custom Test?
0001 , 0006	A	PCBs	N
		Prep - PCBs by GC	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0002 , 0005, 0007 , 0010, 0011	B	Total Petroleum Hydrocarbons (TPH), IR	N
0003 , 0008	C	PCBs	N
		Prep - PCB by GC	N
0004 , 0009	D	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Quanterra reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

Quanterra's QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036605-0001-SA	SOIL	PCB-S	07 JUL 94-N1	07 JUL 94-N1
036605-0003-SA	AQUEOUS	PCB-A	05 JUL 94-N1	05 JUL 94-N1
036605-0006-SA	SOIL	PCB-S	07 JUL 94-N1	07 JUL 94-N1
036605-0008-SA	AQUEOUS	PCB-A	05 JUL 94-N1	05 JUL 94-N1

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PCB-S Matrix: SOIL QC Lot: 07 JUL 94-N1 Concentration Units: ug/kg								
Aroclor 1254	33.3	29.4	30.7	30.0	90	49-130	4.3	20
Category: PCB-A Matrix: AQUEOUS QC Lot: 05 JUL 94-N1 Concentration Units: ug/L								
Aroclor 1254	1.00	1.09	1.03	1.06	106	46-130	5.7	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-SAN-S			
Matrix: SOIL			
QC Lot: 07 JUL 94-N1 QC Run: 07 JUL 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33
Test: 8080-PCB-SAN-A			
Matrix: AQUEOUS			
QC Lot: 05 JUL 94-N1 QC Run: 05 JUL 94-N1			
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036605-0001-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0002-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0004-SA	AQUEOUS	TPH-IR-A	05 JUL 94-9D	05 JUL 94-9D
036605-0005-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0006-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0007-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0007-MS	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0007-SD	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0009-SA	AQUEOUS	TPH-IR-A	05 JUL 94-9D	05 JUL 94-9D
036605-0010-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A
036605-0011-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 06 JUL 94-6A Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1450	1390	1410	1400	97	75-123	1.1	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 05 JUL 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	18.6	18.6	18.6	93	64-111	0.0	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S Matrix: SOIL QC Lot: 06 JUL 94-6A QC Run: 06 JUL 94-6A			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-S Matrix: SOIL QC Lot: 06 JUL 94-6A QC Run: 06 JUL 94-6A			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A Matrix: AQUEOUS QC Lot: 05 JUL 94-9D QC Run: 05 JUL 94-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0
Test: TPH-IR-S Matrix: SOIL QC Lot: 06 JUL 94-6A QC Run: 06 JUL 94-6A			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0

Enseco

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	036605-0007-SD	06 JUL 94-6A
MATRIX SPIKE	TPH-IR-S	036605-0007-MS	06 JUL 94-6A

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: TPH-IR-S Matrix SOIL Sample: 036605-0007 Units: mg/kg								
Total Petroleum Hydrocarbons	ND	259	269	250	250	104	107	4

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

Sandia National Laboratories

2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 01818

AR/COC No.: AR/COC- 508734

PAGE 1 OF 1

GENERAL INFORMATION

DATE: 3-31-94 | WEATHER: CLEAR, WARM, STILL (~60°F)

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL WITH SPADE – TA-III/II RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: DON SCHOFIELD | ORG.: 7584 | PHONE: 845-3041

AREA: III | LOCATION: VIBRATION FACILITY

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

Sample Number - Fraction	Time	3-31-94 LOCATION	3-31-94 COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TPH 418.1							
(L/NM 015336-1	0935	35-55-01 FBA	6' ~~NORTH OF UT~~ FIELD BLANK (LIQUID)	G	Y	X							
' 015335-1	0945	35-55-01	6' NORTH OF UTIL. POLE, 2½' EOF FENCE	G	N	X							
015334-1	0955	35-55-02	6' SOUTH " " " " "	G	N	X							
'015333-1	1005	35-55-02D	Duplicate of 35-55-02	G	N	X							
'015332-1	1030	35-55-03	Next to UTIL. POLE, 2½' W OF FENCE	G	N	X							
015331-1	1040	35-55-RBA	RINSATE BLANK (LIQUID)	G	Y	X							

PROJECT

PROJECT NAME: TA-III/II | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG.: 7582 | PHONE: 848-0334

ADDITIONAL INFORMATION: (Log Book Ref. #) LOGBOOK 0079. THREE SOIL SAMPLES COLLECTED FROM AREA ADJACENT TO UTILITY POLE

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. DON SCHOFIELD	Don Schofield	DS	SNL/7584
2. ERNE VINSANT	Ernest G. Vinsant	EGV	SNL/7584
3. PAULA SLAVIN	Paula Slavin	PS	SNL/7582

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO-RMAL-X | TRANSPORTED BY: | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 3/31/94 | DATA ENTERED (MM-DD-YY) | BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator ☐ TO BE COMPLETED BY SMO

Enseco

RECEIVED
MAY 13 1994
IT CORP.-ALBUQUERQUE

May 12, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for four soil samples and two aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on April 19, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #034885

DATA REVIEWED

MB Garcia Date: 5-26-94

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 034885

MAY 12, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

0000001

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On April 19, 1994, Enseco-Rocky Mountain Analytical Laboratory received four soil samples and two aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Wet Chemistry Data Review

Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Rocky Mountain Analytical Laboratory (RMAL) samples 034885-0001-SA, -0002-SA, -0003-SA and -0004-SA were analyzed at a dilution for total petroleum hydrocarbon (TPH) analysis due to the concentration of the target analyte present in the samples.

For matrix spike analyses, the project specific quality control results contain the analytical results from both analyses along with the spike level and percent recovery. The percent recovery calculation is not performed if the spike level is less than or equal to 25 percent of the value of the sample. The percent recovery and relative percent difference (RPD) for RMAL samples 034885-0002-MS and -0002-SD are reported as not calculated for TPH analysis due to the concentration of the target analyte present in the sample.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
034885-0001-SA	SNL/NM015322-1	SOIL	15 APR 94	12:50	19 APR 94
034885-0002-SA	SNL/NM015321-1	SOIL	15 APR 94	13:00	19 APR 94
034885-0002-MS	SNL/NM015321-1	SOIL	15 APR 94	13:00	19 APR 94
034885-0002-SD	SNL/NM015321-1	SOIL	15 APR 94	13:00	19 APR 94
034885-0003-SA	SNL/NM015320-1	SOIL	15 APR 94	13:05	19 APR 94
034885-0004-SA	SNL/NM015319-1	SOIL	15 APR 94	13:10	19 APR 94
034885-0005-SA	SNL/NM015318-1	AQUEOUS	15 APR 94	13:15	19 APR 94
034885-0006-SA	SNL/NM015317-1	AQUEOUS	15 APR 94	13:20	19 APR 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 034885	Group Code	Analysis Description	Custom Test?
0001 - 0004	A	Total Petroleum Hydrocarbons (TPH), IR	N
0005 - 0006	B	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
let Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
034885-0001-SA	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0002-SA	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0002-MS	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0002-SD	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0003-SA	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0004-SA	SOIL	TPH-IR-S	23 APR 94-9D	23 APR 94-9D
034885-0005-SA	AQUEOUS	TPH-IR-A	02 MAY 94-9D	02 MAY 94-9D
034885-0006-SA	AQUEOUS	TPH-IR-A	02 MAY 94-9D	02 MAY 94-9D

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 23 APR 94-9D Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1288	1260	1290	1280	99	75-123	2.4	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 02 MAY 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	18.9	20.4	19.6	98	64-111	7.6	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S			
Matrix: SOIL			
QC Lot: 23 APR 94-9D QC Run: 23 APR 94-9D			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A			
Matrix: AQUEOUS			
QC Lot: 02 MAY 94-9D QC Run: 02 MAY 94-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	034885-0002-SD	23 APR 94-9D
MATRIX SPIKE	TPH-IR-S	034885-0002-MS	23 APR 94-9D

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: TPH-IR-S Matrix SOIL Sample: 034885-0002 Units: mg/kg								
Total Petroleum Hydrocarbons	7200	9250	7560	250	250	NC	NC	NC

All calculations are performed before rounding to avoid round-off errors in calculated results.

SHIPPER

SF 8951-AE(1-83)

Sandia National Laboratories

1 [XX] New Mexico [ ] California [ ] Other

SHIP TO: *Typed or neatly printed*
2
Enseco Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
Attn: Ms. Ellen La Riviere
Contract No. 67-9736B

AR/COC # 508743/508744

Gate Exit Time & Date 3
Highest Material Security Class. 4: U
Page 1 Of 1
Date to be Returned 5
Document No.: A 44198
Shipping Code 6: C
Shipment Register No. 7: 47693
Due at Destination 8: 4/19/94 (Date)
[X] Firm (Premium transportation authorized)
[ ] Flex (Most economical transportation)
Originator of Form 9: R. L. McLaughlin
Org.: 7576
Phone: 4-0941
Date Prepared 10: 4/18/94

FROM: 11

Site	Bldg.	Room	Org.	Requester's E No. 12	Requester's Name (Write "Same" if also originator)	Org.	Phone	Case No. 13
TAI	870B	1	7576	03319	Same			6987.200 ~~4298.3000~~

Material Billing 14: [ ] Charge [XX] No Charge
Freight Billing 15: [X] Prepaid [ ] Collect *If collect, carrier & acct no. (if known)*
Reason for Shipment 16: Lab Analysis of Environmental Samples
Authority for Shipment 17: n/a

Item No. 18	Sec. Class. 19	Quantity 20	Unit 21	Haz. Mat'l. 22	Property Tag No. And/Or MID No. 23	Description 24	Unit Value 25	$ Total 26
1	U	1	ea	N	N/A	ENVIRONMENTAL SOIL/WATER SAMPLES TA III 5.to.8335	N/A	N/A

LAST ITEM

IMPORTANT: SANDIA TRAFFIC ANALYST, PLEASE FAX COPY OF COMPLETED SHIPPER AND WAYBILL TO SMO FACILITY, FAX # 844-4976, IMMEDIATELY UPON SHIPMENT.

4/18/94 .45 Grand Total 27 $

DOE Transportation Safeguards Div. Courier Required? 28: [ ] YES [XX] NO
Service Clerk 29
Property Mgmt. Rep. 30

Date Shipped or Hand-carried 31	Routing 32	B/L No. 33	No. of Boxes 34	Weight 35	Total Cubic Feet/Dimensions 36
FEDERAL EX APR 18 1994		332 4381 435		55	4.0 / 12x15x17"

Authorizing Signature 37
Jim D. Fish, 7576
Signature of manager above typed or printed name and Org.
I certify that the material being offered for shipment is nonhazardous unless noted as hazardous in block 22 and required information is being provided.

Special Approval 38: Name Org.
Special Approval: Name Org.

39 Bearer's Signature
40 Receipt Acknowledged: Recipient's Signature/Company Date
Contract or PEL/MEL Rep. 41: [ ] External Loan: Name Org.

The listed material and accompanying information has been examined and the hazardous material designations and all preparations for shipment are certified correct. 42
Hazardous Material Consultant
43
Packed by

Ply 1:
Corporate File - Retained by the Traffic Organization after shipper is complete and items are ready for shipment.

Attachment 36-1

Figures from HERMES II UST Removal Closure Report, October 1991 and On-Site Investigation Report, February 1992

INTERNATIONAL TECHNOLOGY CORPORATION

October 31, 1991

Project No. 301182.50.01

Mr. Robert F. Helgesen
Project Leader, UST Program
Sandia National Laboratories, Albuquerque
Division 7721
P.O. Box 5800
Albuquerque, New Mexico 87185-5800

HERMES II UST Removal Closure Report, Final Version,
Technical Area V,
Sandia National Laboratories, Albuquerque, New Mexico

Dear Bob:

Please find enclosed four (4) copies of the final version of the formal report entitled "HERMES II UST Removal Closure Report, Sandia National Laboratories, Technical Area V, October, 1991". Your review comments have been incorporated into this final report. If you have any questions regarding the report or the work that was done, please contact me at (505) 262-8922.

Sincerely,

IT CORPORATION

Randy Dubiskas

Richard A. "Randy" Dubiskas
Assistant Project Scientist

RAD
Enclosure

AL/7-91/TM/SC-RAD.041

HERMES II UST REMOVAL CLOSURE REPORT
SANDIA NATIONAL LABORATORIES
TECHNICAL AREA V
OCTOBER 1991

Prepared by:

International Technology Corporation
5301 Central Avenue NE
Suite 700
Albuquerque, New Mexico 87108

Report Contact: Richard A. Dubiskas
(505) 262-8800

Prepared by:

Richard A. Dubiskas
Project Hydrogeologist

Approved by:

Michael G. Schulz
Project Manager

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2.0 Background Information 1
3.0 UST Removal Activities 2
4.0 Summary 3

Appendix A - Job Logs Prepared by IT Observers

List of Figures

Figure	Title
1	Map of Tech Area V Showing Area of Underground Storage Tanks at HERMES II
2	Surface Features and Contamination, HERMES II Underground Storage Tanks, Tech Area V
3	Excavated HERMES II Underground Storage Tanks, Technical Area V

1.0 Introduction

On July 29, 1991, International Technology Corporation (IT) mobilized for a prejob construction meeting conducted to familiarize all parties involved with the tank removal activities associated with the closure of the five underground storage tanks (UST) numbered 6595-1 through 6595-5, Technical Area V (TA V), Sandia National Laboratories (SNL), Albuquerque, New Mexico (Figure 1). IT's responsibilities in the UST closure activities included field observation and documentation of surface and subsurface soil contamination during the excavation, field observations of tank and piping condition, and documentation of SNL sampling activities. IT observers were on site intermittently during the excavation and tank-removal phases of work from the July 29, 1991, meeting through the day of actual tank removal on August 22, 1991. Observations were documented and are presented in Appendix A.

2.0 Background Information

Communications with SNL staff indicated that the five USTs designated 6595-1, 6595-2, 6595-3, 6595-4, and 6595-5 were used to store dielectric oil for use in the High Energy Radiation Megavolt Electron Source (HERMES II) facility housed in Building 6596, TA V, SNL. Anecdotal information indicates that these tanks were installed in 1961, although other information indicates an installation date circa 1970. These tanks were operationally closed in July 1990.

Surface pumps circulated the dielectric oil contained in the USTs through underground piping to the HERMES II system in Building 6596. Surface contamination resulting from leakage of the finishing pump on 6595-2 is shown in Figure 2 along with contamination from other releases from this system visible on the ground surface.

The tanks each had a 34,120-gallon capacity and measured approximately 48 feet long and 11 feet in diameter (Figure 3). A manhole located at the center of each tank extended from the ground surface to the top of the tank. The manhole on the easternmost tank (6596-5) was the location for the only fill point for the tank battery. A buried manifold along the southern end of the tanks facilitated equalization of fluid levels between the tanks. A vertical vent line on the northern end of each tank extended from the top of the tank to 3 feet above grade.

Connections at the southern end of USTs Nos. 6595-1, 6595-2, and 6595-3 permitted circulation of the product to the HERMES II system through shallow buried piping.

Surface soils contaminated with dielectric oil from the tanks collected in February 1991 had been tested for Polychlorinated Biphenyls (PCB) and Toxicity Characteristic Leaching Procedure (TCLP) metals with results either nondetect or below regulatory concern (R. Helgesen, pers. comm., 1991).

3.0 UST Removal Activities

Prior to excavation, the five USTs at the HERMES II site were emptied of product, although the product lines were not purged. By August 2, 1991, the tank removal contractor (Henderson Construction Co.) had mobilized to the site and begun removal of surface features such as asphalt driveways. Also on this date, SNL Division 7221 personnel conducted surface soil sampling at the HERMES II UST site. Surface soil samples were collected from the vent area on tank number 6595-1 and around the finishing pump on tank number 6595-2. Sample Nos. SNLA 5705, 5706, 5707, and 5708 were collected 5 feet north, south, east, and west, respectively, from the 6595-1 vent. Sample Nos. SNLA 6176, 6178, 6180, and 6182 were collected 5 feet north, south, east, and west, respectively, from the 6595-1 finishing pump. Sample Nos. SNLA 6177, 6179, 6181, and 6183 were collected 10 feet north, south, east, and west, respectively, from the finishing pump.

Actual excavation of the soil around the USTs began on August 5, 1991. Hydrocarbon staining was observed in soils surrounding the manholes and vents on each tank from near the preexisting grade to the top of the tanks (Figure 3). The heaviest staining was observed around the manifold/pump area at the southern end of the tank battery. The stained soil around the westernmost (6595-1) tank vent hole was vertically extensive but confined laterally.

On August 16, 1991, a sample of oil (SNLA 5709) was collected from the unearthed manifold at the southern end of the excavation (Figure 3) for characterization purposes. At the writing of this report, the analysis of this sample was not available.

Approximately 400 additional gallons of product were removed from the tanks on August 19, 1991, in anticipation of removing the five USTs from the excavation. A sacrificial anode

attached to USTs Nos. 6595-1, 6595-3, and 6595-4 was recovered from the excavation on August 21. The tanks were inerted by placing dry ice within each of the tanks on this date. The manifold connecting the tanks at the southern end of the excavation was removed on August 22. Contaminated soil was found near the valve control connecting points with the manifold at the southern end of the tanks.

On August 22, all five of the tanks were removed from the excavation by crane and placed on a bermed pad to the west of Tech Area V. None of the tanks or piping were appreciably corroded nor had any visible holes. IT's observational duties were concluded on this date.

4.0 Summary

From July 29 to August 22, 1991, IT observed and documented the extent of contamination and tank removal activities at the HERMES II, UST site, TA V, SNL. Five 34,120-gallon capacity steel tanks and associated piping were removed from the excavation and examined for signs of leakage. All tanks and piping were found to be free of visible signs of corrosion or damage; however, extensive soil contamination was observed during the excavation. This contamination probably resulted from overfill and operational spillage of the HERMES II system.

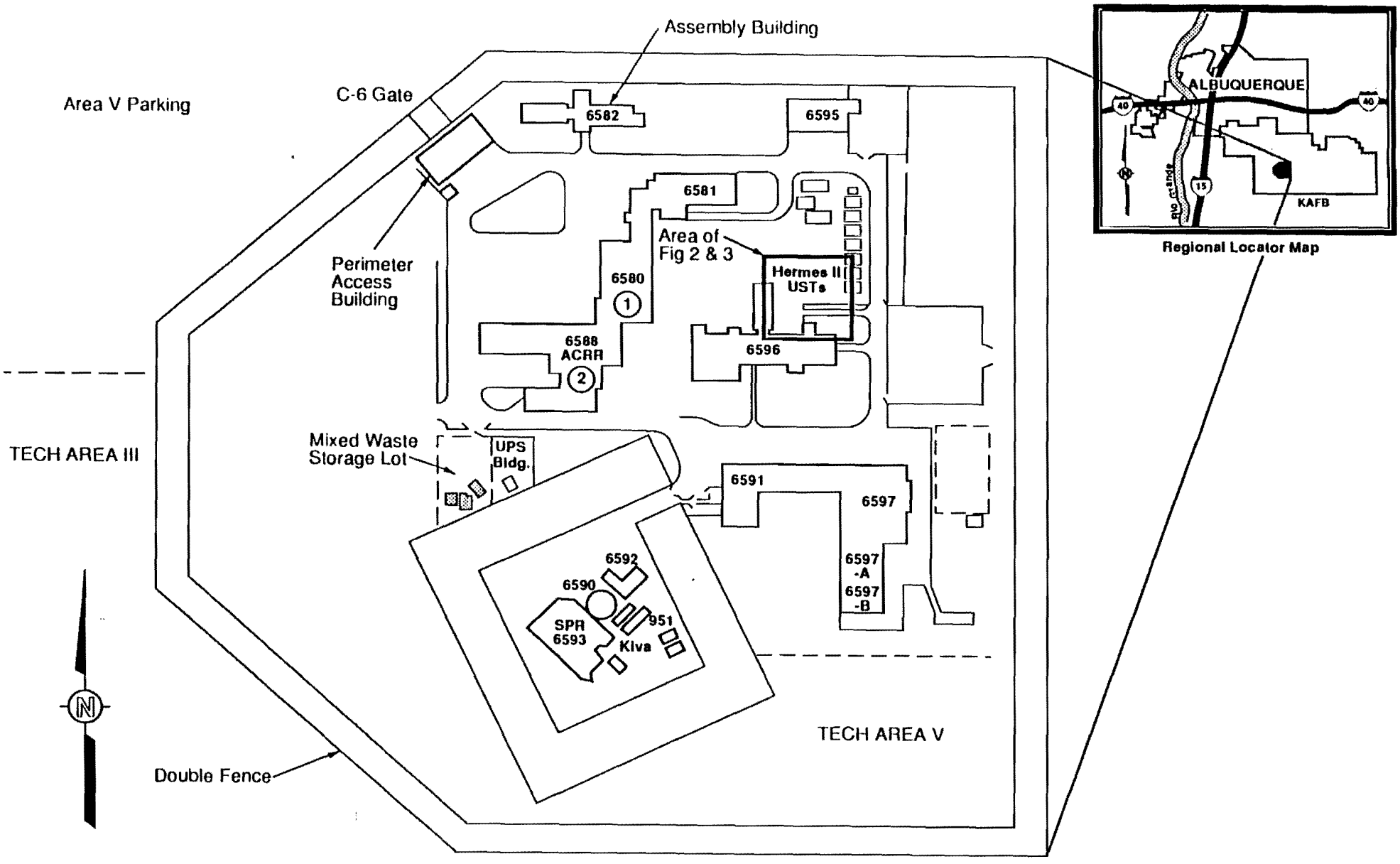


Figure 1
Map of Tech Area V Showing Area of Underground Storage Tanks at Hermes II

3011182.50.01 A1

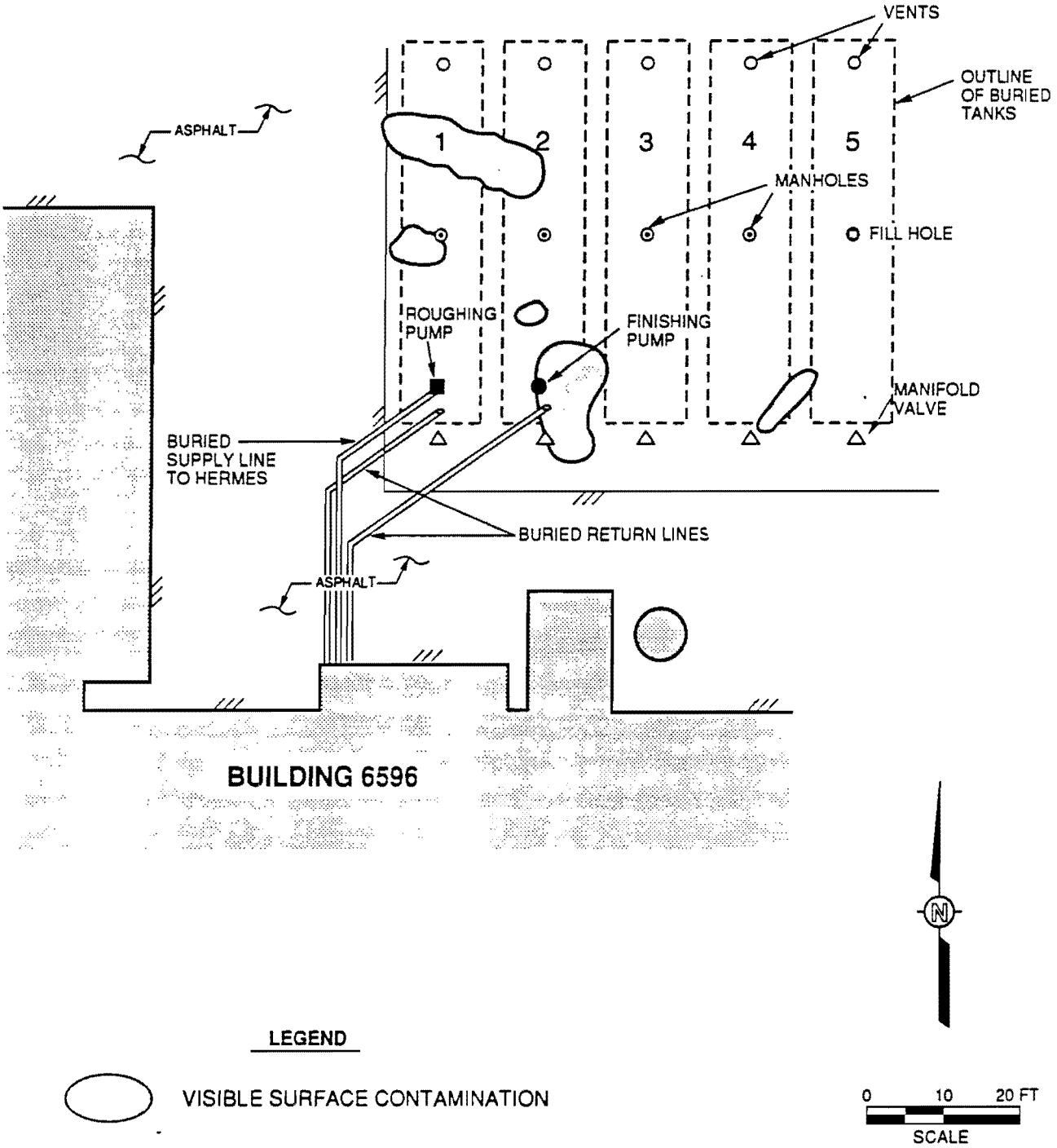
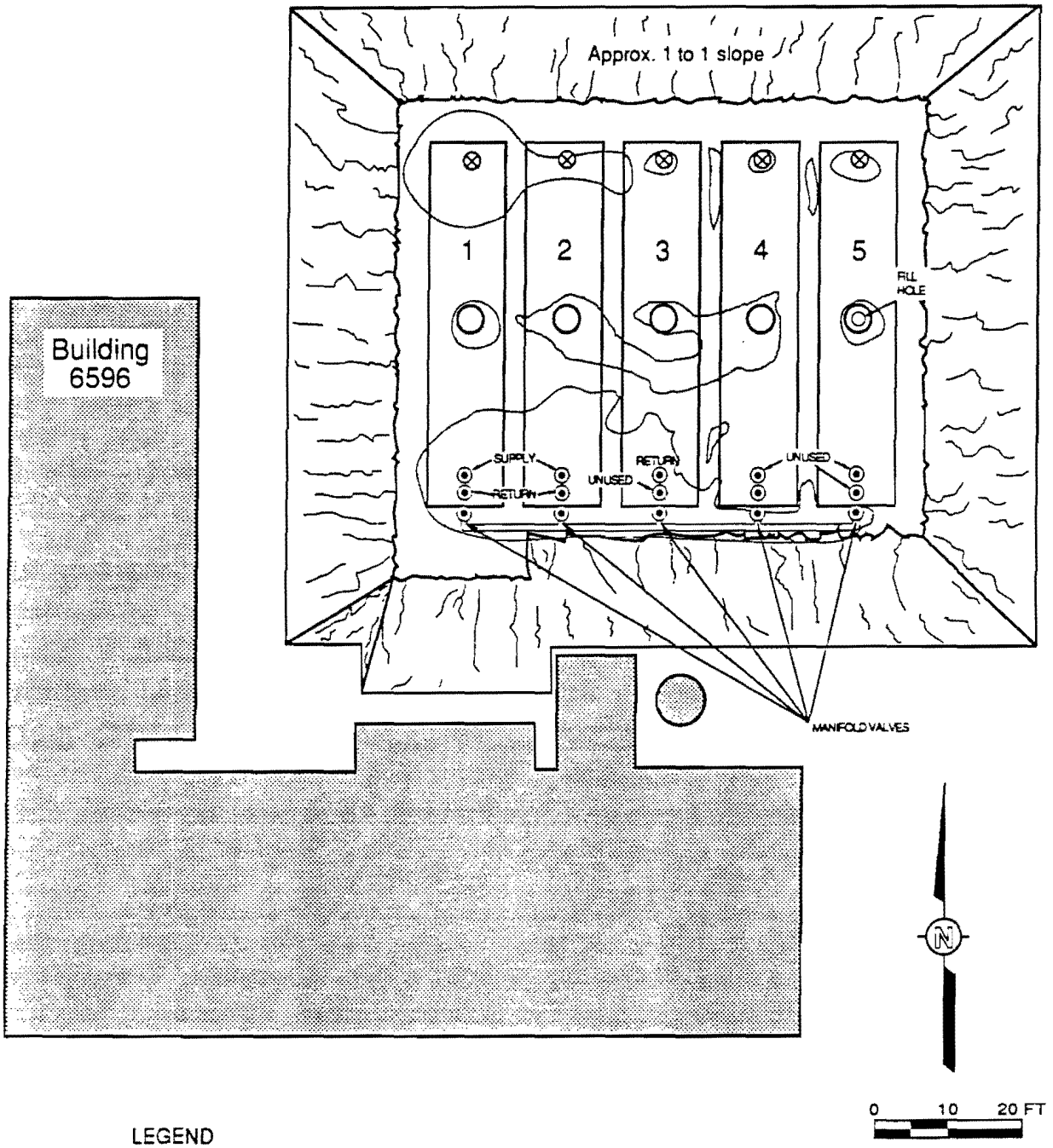


Figure 2

Surface Features and Contamination
HERMES II Underground Storage Tanks, Technical Area 5,
Sandia National Laboratories, Albuquerque

301182.50.01 A2



LEGEND

VISIBLE CONTAMINATION

MANHOLE

VENT

Figure 3.

Excavated HERMES II
Underground Storage Tanks
Technical Area 5
Sandia National Laboratories, Albuquerque

ER1306A 36

On-Site Investigation at
Former Underground Storage Tank Nos. 6595-1
Through 6595-5 HERMES II Site
Sandia National Laboratories,
Technical Area V
February 1992

Prepared by:

International Technology Corporation
5301 Central Avenue, N.E., Suite 700
Albuquerque, New Mexico 87108

Report Contact: Richard A. Dubiskas

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Project Hydrogeologist

Reviewed by:

Richard Deshler
Technical Reviewer

Approved for issuance by:

Michael G. Schulz
Project Manager

301182.50.02 A50

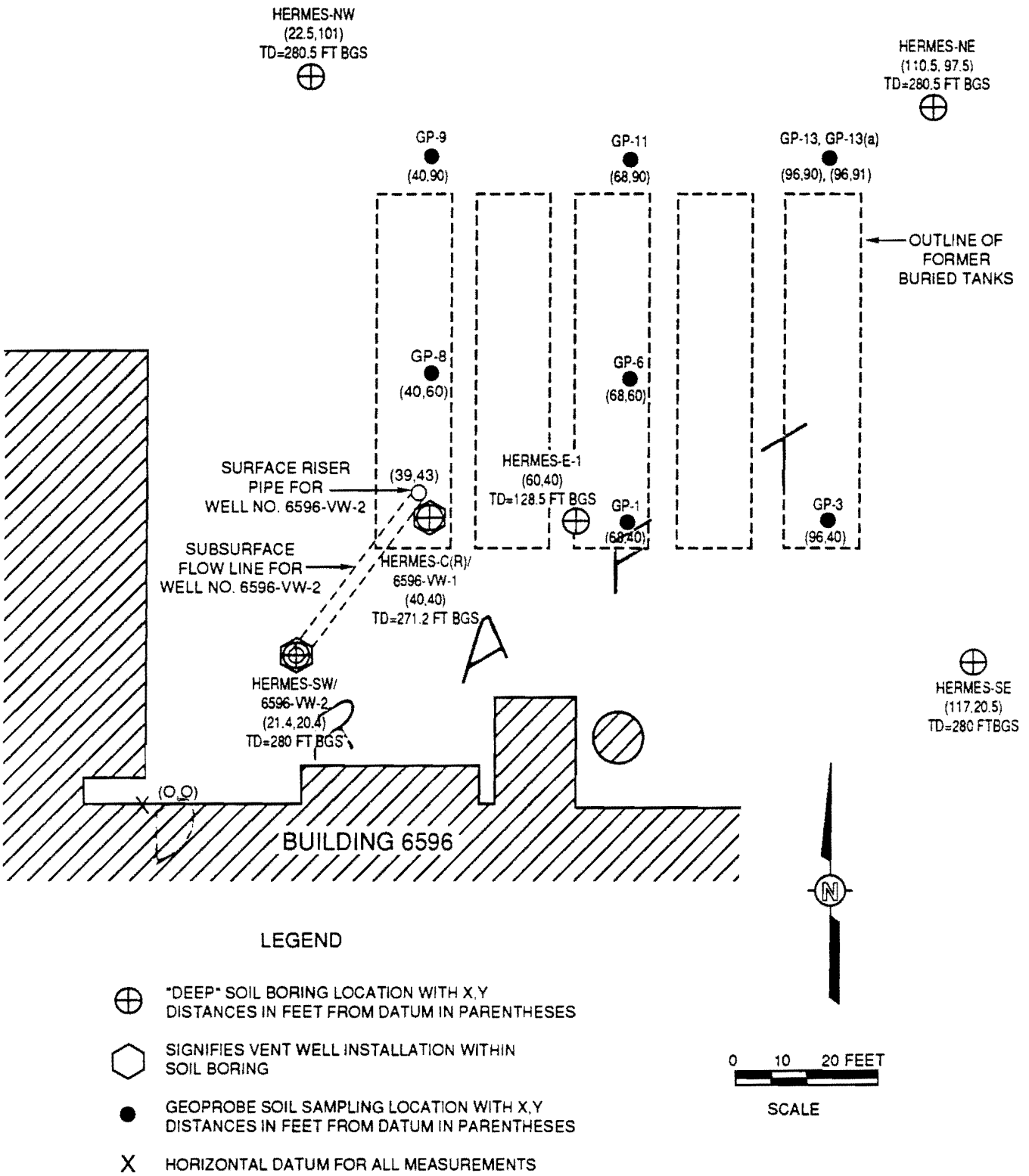
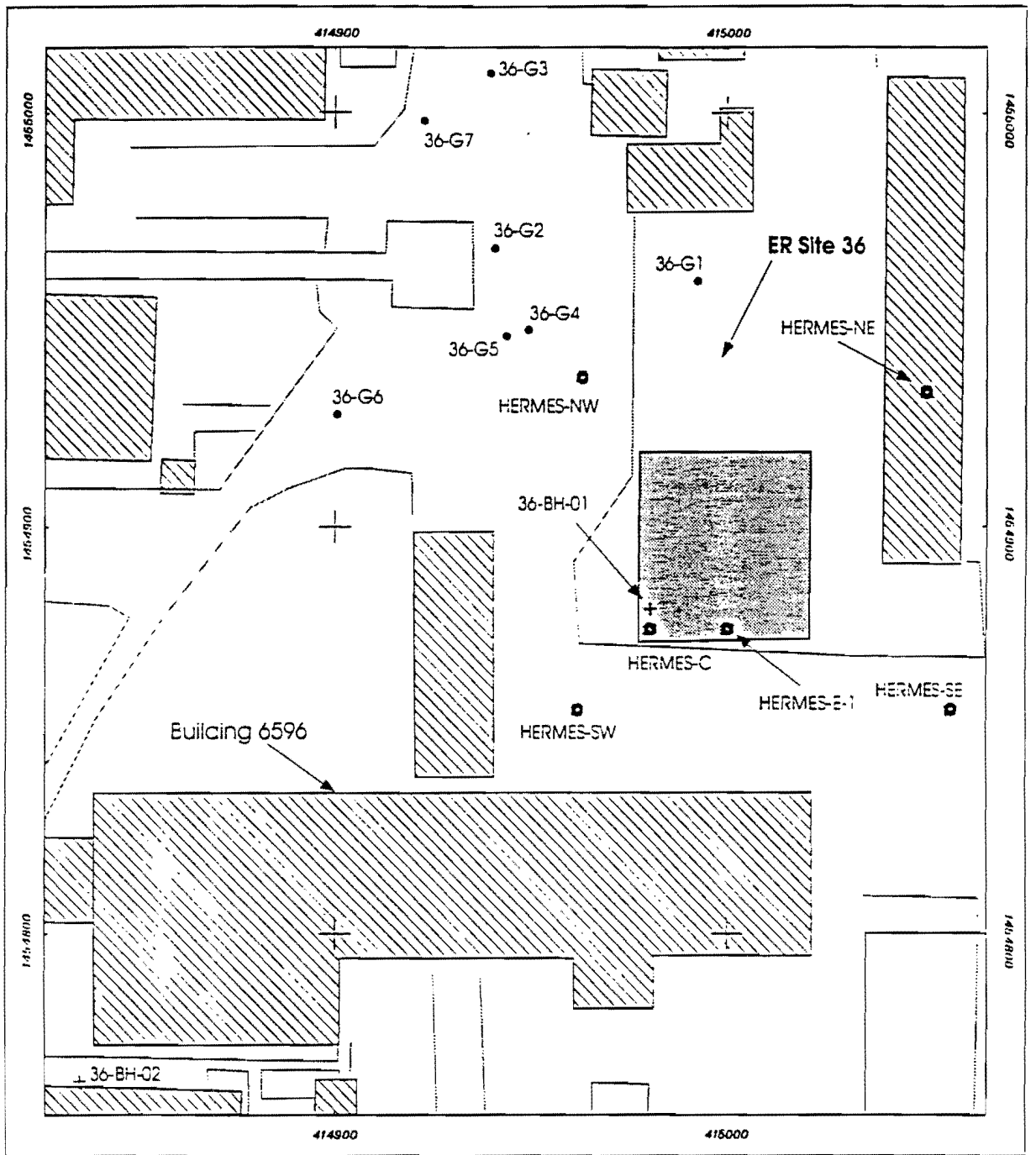


Figure 4

Soil Boring/Vent Well Locations at Hermes II UST Site, Technical Area 5, Sandia National Laboratories, Albuquerque



Legend

- ER Site 36
- Buildings
- Roads
- 36-G5 Shallow RFI Borehole Location
- 36-BH-01 Deep RFI Borehole Location
- HERMES-SW 1991 UST Investigation Borehole Location

Sandia National Laboratories, New Mexico
Environmental Restoration Geographic Information System

Figure 8-2 ER Site 36
Location of Shallow- and Deep-Subsurface Soil Boreholes, TA-V

0 20 40
Scale in Feet

0 4.8 9.6
Scale in Meters

Unclassified

FINAL

1:480

Transverse Mercator Projection, New Mexico State Plane Coordinate System, Central Zone
1927 North American Horizontal Datum, 1929 North American Vertical Datum

cheberl SNL GIS ORG. 7512 04/08/96 MAPID = 950923

Attachment 36-2

Laboratory Analytical Results for ER Site 36

Laboratory QA/QC – copied from laboratory reports

ER Site 36 RFI Analytical Results for Soil Samples; Total Petroleum Hydrocarbons (EPA Method 3550/418.1)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-200.00	020086-00	F	01-MAR-95	200	mg/kg	20600	t	SOIL
TA3/5-36-BH-01-200.25	020088-00	F	01-MAR-95	200.25	mg/kg	7410	t	SOIL
TA3/5-36-BH-01-340.25	020111-00	F	03-MAR-95	340.25	mg/kg	<20	U	SOIL
TA3/5-36-BH-01-320.25	020113-00	F	03-MAR-95	320.25	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-320.50	020141-00	F	09-MAR-95	320.5	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-300.75	020143-00	F	09-MAR-95	300.75	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-241.00	020264-00	F	08-MAR-95	241	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-201.50	020267-00	F	08-MAR-95	201.5	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-260.50	020268-00	F	08-MAR-95	260.5	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-201.75	020269-00	F	08-MAR-95	201.75	mg/kg	<20	U	SOIL
TA3/5-36-BH-02-280.50	020270-00	F	09-MAR-95	280.5	mg/kg	<20	U	SOIL
TA3/5-36-BH-01-330.50	021765-00	F	03-MAR-95	330.5	mg/kg	<20	U	SOIL
TA3/5-36-BH-01-310.75	021768-00	F	03-MAR-95	310.75	mg/kg	<20	U	SOIL
TA3/5-36-BH-01-300.00	021771-00	F	03-MAR-95	300	mg/kg	141		SOIL
TA3/5-36-BH-01-281.25	021774-00	F	02-MAR-95	281.25	mg/kg	<20	U	SOIL
TA3/5-36-BH-01-260.00	021775-00	F	02-MAR-95	260	mg/kg	25.7		SOIL
TA3/5-36-G4-15	SNL/NM016529-1	SD	06-JUL-94	16	mg/kg	216		SOIL
TA3/5-36-G1-1	SNL0130426	F	05-JUL-94	1	mg/kg	<20	U	SOIL
TA3/5-36-G1-15	SNL0130428	F	05-JUL-94	15	mg/kg	<20	U	SOIL
TA3/5-36-G2-15	SNL0130429	F	05-JUL-94	15	mg/kg	<20	U	SOIL
TA3/5-36-G2-15D	SNL0130430	D	05-JUL-94	15	mg/kg	<20	U	SOIL
TA3/5-36-G3-15	SNL0130431	F	05-JUL-94	15	mg/kg	<20	U	SOIL
TA3/5-36-G4-5	SNL0130437	F	06-JUL-94	6	mg/kg	<20	U	SOIL
TA3/5-36-G4-15	SNL0130439	F	06-JUL-94	16	mg/kg	<20	U	SOIL
TA3/5-36-G5-15	SNL0130440	F	06-JUL-94	16	mg/kg	<20	U	SOIL
TA3/5-36-G6-5	SNL0130442	F	06-JUL-94	6	mg/kg	<20	U	SOIL
TA3/5-36-G6-15	SNL0130445	F	06-JUL-94	16	mg/kg	<20	U	SOIL
TA3/5-36-G7-15	SNL0130450	F	06-JUL-94	16	mg/kg	<20	U	SOIL
TA3/5-36-G6-10	SNL0130455	F	06-JUL-94	11	mg/kg	<20	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; Total Petroleum Hydrocarbons (EPA Method 3550/418.1)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G5-1	SNL0130456	F	06-JUL-94	3	mg/kg	2530		SOIL
TA3/5-36-G5-5	SNL0130457	F	06-JUL-94	6	mg/kg	<20	U	SOIL
TA3/5-36-G6-1	SNL0130458	F	06-JUL-94	2	mg/kg	2270		SOIL
TA3/5-36-BH-01-DW	021763-00	F	03-MAR-95	0	mg/L	6.3	t	AQUEOUS
TA3/5-36-BH-02-TB	020145-00	FB	09-MAR-95		mg/L	<1	U	AQUEOUS
TA3/5-36-G3-FBA	SNL0130434	FB	05-JUL-94	0	mg/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130449	FB	06-JUL-94	0	mg/L	<1	U	WATER
TA3/5-36-BH-01-TB	021760-00	TB	03-MAR-95		mg/L	<1	U	AQUEOUS
TA3/5-36-BH-01-EB	021761-00	EB	03-MAR-95	320	mg/L	<1	U	AQUEOUS
TA3/5-36-BH-02-EB	020138-00	EB	09-MAR-95		mg/L	<1	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130453	EB	06-JUL-94	0	mg/L	<1	U	WATER

ER Site 36 RFI Analytical Results for Soil Samples; PCBs (EPA Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-36-G1-1	SNL0130427	F	05-JUL-94	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-36-G4-5	SNL0130438	F	06-JUL-94	6	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-36-G6-15	SNL0130446	F	06-JUL-94	16	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-36-G6-5	SNL0130443	F	06-JUL-94	6	Aroclor 1260	ug/kg	<33	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; PCBs (EPA Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1016	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1016	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1221	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1221	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1232	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1232	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1242	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1242	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1248	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1248	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1254	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1254	ug/L	<1	U	WATER
TA3/5-36-G3-FBA	SNL0130433	FB	05-JUL-94	0	Aroclor 1260	ug/L	<1	U	WATER
TA3/5-36-G6-FBA	SNL0130448	FB	06-JUL-94	0	Aroclor 1260	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1016	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1221	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1232	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1242	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1248	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1254	ug/L	<1	U	WATER
TA3/5-36-G7-RBA	SNL0130452	EB	06-JUL-94	0	Aroclor 1260	ug/L	<1	U	WATER

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Acetone	ug/kg	6.2	J	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Chlorobenzene	ug/kg	1.1	J	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Methylbenzene	ug/kg	1.3	J	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Methylene chloride	ug/kg	1.4	J	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.50	021676-00	F	28-FEB-95	20.5	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Acetone	ug/kg	7.8	J	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Methylene chloride	ug/kg	3	J	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Pentanone 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-20.75	021677-00	F	28-FEB-95	20.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Hexanone, 2-	ug/kg	1500		SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Hexanone, 2-	ug/kg	1200		SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Methylbenzene	ug/kg	160	J	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Methylene chloride	ug/kg	170	BJ	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Methylene chloride	ug/kg	270	BJ	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Pentanone, 4-methyl-, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Pentanone, 4-methyl-, 2-	ug/kg	140	J	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Toluene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Xylene	ug/kg	300	J	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Xylene	ug/kg	130	J	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Acetone	ug/kg	2400		SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Butanone, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Chloromethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Hexanone, 2-	ug/kg	1600		SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Methylbenzene	ug/kg	100	J	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Methylene chloride	ug/kg	180	BJ	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Pentanone, 4-methyl-, 2-	ug/kg	120	J	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-100.75	020092-00	F	01-MAR-95	100.75	Xylene	ug/kg	200	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Acetone	ug/kg	160		SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Benzene	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Bromodichloromethane	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Bromoform	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Bromomethane	ug/kg	<50	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Butanone, 2-	ug/kg	29	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Carbon disulfide	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Carbon tetrachloride	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Chlorobenzene	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Chloroethane	ug/kg	<50	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Chloroform	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Chloromethane	ug/kg	<50	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dibromochloromethane	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloroethane, 1,1-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloroethane, 1,2-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloroethene, 1,1-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloroethene, 1,2-	ug/kg	<25	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloropropane, 1,2-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloropropene, cis-1,3-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Dichloropropene, trans-1,3-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Ethyl benzene	ug/kg	6.5	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Hexanone, 2-	ug/kg	190		SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Methylbenzene	ug/kg	24	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Methylene chloride	ug/kg	6.2	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Pentanone, 4-methyl-, 2-	ug/kg	17	J	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Styrene	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Tetrachloroethene	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Trichloroethane, 1,1,1-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Trichloroethane, 1,1,2-	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Trichloroethene	ug/kg	<25	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Vinyl acetate	ug/kg	<50	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Vinyl chloride	ug/kg	<50	U	SOIL
TA3/5-36-BH-01-120.25	020091-00	F	01-MAR-95	120.25	Xylene	ug/kg	44		SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Acetone	ug/kg	9100		SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Acetone	ug/kg	4800		SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Butanone, 2-	ug/kg	2400		SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Butanone, 2-	ug/kg	1600		SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Chloromethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Chloromethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Hexanone, 2-	ug/kg	1300		SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Hexanone, 2-	ug/kg	750	J	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Methylbenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Methylene chloride	ug/kg	210	BJ	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Methylene chloride	ug/kg	160	BJ	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Pentanone, 4-methyl-, 2-	ug/kg	220	J	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Pentanone, 4-methyl-, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Toluene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.00	020087-00	F	01-MAR-95	201	Xylene	ug/kg	120	J	SOIL
TA3/5-36-BH-01-201.00	020087-00R	F	01-MAR-95	201	Xylene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Acetone	ug/kg	12000		SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Acetone	ug/kg	7500		SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Butanone, 2-	ug/kg	2900		SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Butanone, 2-	ug/kg	1600		SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Chloromethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Chloromethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloroethane, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloroethane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloroethene, 1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloroethene, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloropropane, 1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloropropene, cis-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Dichloropropene, trans-1,3-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Ethyl benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Hexanone, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Hexanone, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Methylbenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Methylene chloride	ug/kg	200	BJ	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Methylene chloride	ug/kg	150	BJ	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Pentanone, 4-methyl-, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Pentanone, 4-methyl-, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Styrene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Tetrachloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Toluene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Trichloroethane, 1,1,1-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Trichloroethane, 1,1,2-	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Trichloroethene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Vinyl acetate	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Vinyl chloride	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-201.25	020114-00	F	01-MAR-95	201.25	Xylene	ug/kg	<500	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-201.25	020114-00R	F	01-MAR-95	201.25	Xylene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Ethyl benzene	ug/kg	1.6	J	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Methylene chloride	ug/kg	1.8	BJ	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-281.50	021772-00	F	02-MAR-95	281.5	Xylene	ug/kg	13		SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Acetone	ug/kg	10		SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Hexanone, 2-	ug/kg	1.4	J	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Methylene chloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-300.50	021773-00	F	03-MAR-95	300.5	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Acetone	ug/kg	5	J	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Carbon disulfide	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Methylbenzene	ug/kg	16		SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Methylene chloride	ug/kg	1.1	J	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-320.75	021767-00	F	03-MAR-95	320.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Methylene chloride	ug/kg	1	J	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-01-340.75	020112-00	F	03-MAR-95	340.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Acetone	ug/kg	2800		SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Acetone	ug/kg	2200		SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Benzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Bromodichloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Bromoform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Bromomethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Butanone, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Butanone, 2-	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Carbon disulfide	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Carbon tetrachloride	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00	F	01-MAR-95	80.75	Chlorobenzene	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Chlorobenzene	ug/kg	110	J	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Chloroethane	ug/kg	<1000	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Chloroform	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Chloromethane	ug/kg	<1000	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-01-80.75	020115-00R	F	01-MAR-95	80.75	Dibromochloromethane	ug/kg	<500	U	SOIL
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Acetone	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Benzene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Bromodichloromethane	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Bromoform	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Bromomethane	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Butanone, 2-	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Carbon disulfide	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Carbon tetrachloride	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Chlorobenzene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Chloroethane	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Chloroform	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Chloromethane	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dibromochloromethane	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloroethane, 1,1-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloroethane, 1,2-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloroethene, 1,1-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloroethene, 1,2-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloropropane, 1,2-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloropropene, cis-1,3-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Dichloropropene, trans-1,3-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Ethyl benzene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Hexanone, 2-	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Methylbenzene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Methylene chloride	ug/L	1500	BJ	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Pentanone, 4-methyl-, 2-	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Styrene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Tetrachloroethene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Trichloroethane, 1,1,1-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Trichloroethane, 1,1,2-	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Trichloroethene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Vinyl acetate	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Vinyl chloride	ug/L	<10000	U	AQUEOUS
TA3/5-36-BH-01-DW	021764-00	F	03-MAR-95	0	Xylene	ug/L	<5000	U	AQUEOUS
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Acetone	ug/kg	5.4	J	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Methylene chloride	ug/kg	1.3	BJ	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-10.25	020255-00	F	07-MAR-95	10.25	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Acetone	ug/kg	14		SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Carbon disulfide	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Methylene chloride	ug/kg	2.1	BJ	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-21.00	020256-00	F	07-MAR-95	21	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Acetone	ug/kg	4.5	J	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Methylene chloride	ug/kg	1.8	BJ	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-70.50	020257-00	F	08-MAR-95	70.5	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Acetone	ug/kg	5.7	J	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Methylene chloride	ug/kg	2.4	BJ	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-80.50	020258-00	F	08-MAR-95	80.5	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Acetone	ug/kg	4	J	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Methylene chloride	ug/kg	2.9	BJ	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-90.75	020259-00	F	08-MAR-95	90.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Methylbenzene	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Methylene chloride	ug/kg	2.7	BJ	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.25	020260-00	F	08-MAR-95	100.25	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Methylene chloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-100.50	020261-00	F	08-MAR-95	100.5	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Methylene chloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Trichloroethene	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-120.75	020262-00	F	08-MAR-95	120.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Methylene chloride	ug/kg	1.2	J	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.00	020265-00	F	08-MAR-95	201	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Methylene chloride	ug/kg	1.1	J	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-201.25	020266-00	F	08-MAR-95	201.25	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Bromomethane	ug/kg	<10	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Methylene chloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-240.75	020263-00	F	08-MAR-95	240.75	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Methylene chloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-300.25	020144-00	F	09-MAR-95	300.25	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dibromochloromethane	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Methylbenzene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Methylene chloride	ug/kg	8.8		SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-BH-02-320.25	020142-00	F	09-MAR-95	320.25	Xylene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Acetone	ug/kg	10	B	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	loromethane-methylene chlo	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Toluene	ug/kg	2.9	J	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-G1-1	SNL0130425	F	05-JUL-94	1	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Acetone	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	loromethane-methylene chlo	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Toluene	ug/kg	2.8	J	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-G4-5	SNL0130436	F	06-JUL-94	6	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Acetone	ug/kg	9.4	BJ	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Iromethane-methylene chlo	ug/kg	2	BJ	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Toluene	ug/kg	1.1	J	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-G6-15	SNL0130444	F	06-JUL-94	16	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Acetone	ug/kg	9.6	BJ	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Benzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Bromoform	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Chloroform	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Iromethane-methylene chlo	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Styrene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Toluene	ug/kg	2	J	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-36-G6-5	SNL0130441	F	06-JUL-94	6	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Acetone	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Acetone	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	loromethane-methylene chlo	ug/L	1.7	BJ	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	loromethane-methylene chlo	ug/L	2.9	J	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-36-G3-FBA	SNL0130432	FB	05-JUL-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-36-G6-FBA	SNL0130447	FB	06-JUL-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-36-BH-02-70.50	020257-00	SD	08-MAR-95	70.5	Benzene	ug/kg	51		SOIL

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-70.50	020257-00	SD	08-MAR-95	70.5	Chlorobenzene	ug/kg	51		SOIL
TA3/5-36-BH-02-70.50	020257-00	SD	08-MAR-95	70.5	Dichloroethene, 1,1-	ug/kg	44		SOIL
TA3/5-36-BH-02-70.50	020257-00	SD	08-MAR-95	70.5	Methylbenzene	ug/kg	51		SOIL
TA3/5-36-BH-02-70.50	020257-00	SD	08-MAR-95	70.5	Trichloroethene	ug/kg	58		SOIL
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Acetone	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Acetone	ug/L	6.6	J	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Acetone	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Acetone	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Acetone	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Bromodichloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Bromodichloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Bromodichloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Bromoform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Bromoform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Bromoform	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Bromomethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Bromomethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Bromomethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Butanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Butanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Butanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Carbon disulfide	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Carbon disulfide	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Carbon disulfide	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Carbon tetrachloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Carbon tetrachloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Carbon tetrachloride	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Chlorobenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Chlorobenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Chlorobenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Chloroethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Chloroethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Chloroethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Chloroform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Chloroform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Chloroform	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Chloromethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Chloromethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Chloromethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dibromochloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dibromochloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dibromochloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloroethane, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloroethane, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloroethane, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloroethane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloroethane, 1,2-	ug/L	<5	U	AQUEOUS

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloroethane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloroethene, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloroethene, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloroethene, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloroethene, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloroethene, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloroethene, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Iodomethane-methylene chld	ug/L	1.9	BJ	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Iodomethane-methylene chld	ug/L	3	J	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloropropane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloropropane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloropropane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloropropene, cis-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloropropene, cis-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloropropene, cis-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Dichloropropene, trans-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Dichloropropene, trans-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Dichloropropene, trans-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Ethyl benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Ethyl benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Ethyl benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Hexanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Hexanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Hexanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Methylbenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Methylbenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Methylbenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Methylene chloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Methylene chloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Methylene chloride	ug/L	2	BJ	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Pentanone, 4-methyl-, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Pentanone, 4-methyl-, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Pentanone, 4-methyl-, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Styrene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Styrene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Styrene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Tetrachloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Tetrachloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Tetrachloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Trichloroethane, 1,1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Trichloroethane, 1,1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Trichloroethane, 1,1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Trichloroethane, 1,1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Trichloroethane, 1,1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Trichloroethane, 1,1,2-	ug/L	<5	U	AQUEOUS

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Trichloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Trichloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Trichloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Vinyl acetate	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Vinyl acetate	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Vinyl acetate	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Vinyl chloride	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Vinyl chloride	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Vinyl chloride	ug/L	<10	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-36-BH-01-TB	021770-00	TB	03-MAR-95		Xylene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-TB	020093-00	TB	01-MAR-95		Xylene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-TB	020146-00	TB	09-MAR-95		Xylene	ug/L	<5	U	AQUEOUS
TA3/5-36-G3-TB	SNL0130435	TB	05-JUL-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-36-G7-TBA	SNL0130454	TB	06-JUL-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Acetone	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Acetone	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Acetone	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Bromodichloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Bromodichloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Bromoform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Bromoform	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Bromomethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Bromomethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Butanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Butanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Carbon disulfide	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Carbon disulfide	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Carbon tetrachloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Carbon tetrachloride	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Chlorobenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Chlorobenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Chloroethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Chloroethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Chloroform	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Chloroform	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Chloromethane	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Chloromethane	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dibromochloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dibromochloromethane	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloroethane, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloroethane, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloroethane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloroethane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloroethene, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloroethene, 1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloroethene, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloroethene, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Iloromethane-methylene chlo	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloropropane, 1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloropropane, 1,2-	ug/L	<5	U	AQUEOUS

ER Site 36 RFI Analytical Results for Soil Samples; VOCs (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloropropene, cis-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloropropene, cis-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Dichloropropene, trans-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Dichloropropene, trans-1,3-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Ethyl benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Ethyl benzene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Hexanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Hexanone, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Methylbenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Methylbenzene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Methylene chloride	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Methylene chloride	ug/L	1.8	BJ	AQUEOUS
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Pentanone, 4-methyl-, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Pentanone, 4-methyl-, 2-	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Styrene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Styrene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Tetrachloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Tetrachloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Trichloroethane, 1,1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Trichloroethane, 1,1,1-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Trichloroethane, 1,1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Trichloroethane, 1,1,2-	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Trichloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Trichloroethene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Vinyl acetate	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Vinyl acetate	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Vinyl chloride	ug/L	<10	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Vinyl chloride	ug/L	<10	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-36-BH-01-EB	020095-00	EB	03-MAR-95	320	Xylene	ug/L	<5	U	AQUEOUS
TA3/5-36-BH-02-EB	020137-00	EB	09-MAR-95		Xylene	ug/L	<5	U	AQUEOUS
TA3/5-36-G7-RBA	SNL0130451	EB	06-JUL-94	0	Xylenes, total	ug/L	<5	U	WATER

Quanterra
Environmental Services

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

RECEIVED
MAR 2 0 1995
SNL/SMO

March 17, 1995

Ms. Pamela Puissant
c/o Ms. Deborah Mc Laughlin
Sandia National Laboratory SMO
Organization 7513, Mail Stop 1331
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Ms. Puissant:

Enclosed is the report for two soil samples received at Quanterra Environmental Services, Denver Laboratory on March 4, 1995. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Manager

EL
Enclosures

Quanterra #040837

DATA REVIEWED

By: H. Seeley (ER-1) Date: 3/22/95

Checked: _____

Approved: _____

Quanterra Environmental Services

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA ENVIRONMENTAL SERVICES, DENVER

PROJECT NUMBER 040837

MARCH 17, 1995

Reviewed by: Ellen La Riviere

Ellen La Riviere

Quanterra
Environmental Services

I. OVERVIEW

On March 4, 1995, Quanterra Environmental Services, Denver received two soil samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra Environmental Services, Denver is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

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Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
040837-0001-SA	021772-00/TA5-36-BH-01-281.50	SOIL	02 MAR 95	11:45	04 MAR 95
040837-0002-SA	021774-00/TA5-36-BH-01-281.25	SOIL	02 MAR 95	11:45	04 MAR 95

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Environmental Services

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 040837	Group Code	Analysis Description	Custom Test?
0001	A	Volatile Organics	N
		Target Compound List (TCL)	N
		GC Screen For Low Level Soils	N
0002	B	Total Petroleum Hydrocarbons (TPH), IR	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Quanterra reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

Quanterra's QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

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Environmental Services

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

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SAMPLE SURROGATE CONTROL LIMITS

Method 8240	Aqueous (%)	Soil (%)	TCLP (%)
4-Bromofluorobenzene	86-115	74-121	86-115
1,2-Dichloroethane-d4	76-114	70-121	76-114
Toluene-d8	88-110	81-117	88-110
Method 8260			
4-Bromofluorobenzene	70-130		
1,2-Dichloroethane-d4	70-130		
Toluene-d8	70-130		
Method 8270			
Nitrobenzene-d5	35-114	23-120	35-114
2-Fluorobiphenyl	43-116	30-115	43-116
Terphenyl-d14	33-141	18-137	33-141
Phenol-d5	10-94	24-113	10-94
2-Fluorophenol	21-100	25-121	21-100
2,4,6-Tribromophenol	10-123	19-122	10-123
Method 8080			
Decachlorobiphenyl	56-138	42-154	
Method 8010			
Bromochloromethane	66-136	52-144	
Method 8020			
a,a,a-Trifluorotoluene	70-130	70-130	
Method 8150			
DCAA	45-123		

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021772-00/TA5-36-BH-01-281.50
Lab ID: 040837-0001-SA
Matrix: SOIL Sampled: 02 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 13 MAR 95 Analyzed: 13 MAR 95

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	1.6	ug/kg	5.0	J
2-Hexanone	ND	ug/kg	10	
Methylene chloride	1.8	ug/kg	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	13	ug/kg	5.0	

Surrogate	Recovery	
Toluene-d8	102	%
4-Bromofluorobenzene	102	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Shawn Kassner Approved By: Mark Pokorny

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021772-00/TA5-36-BH-01-281.50
Lab ID: 040837-0001-SA
Matrix: SOIL Sampled: 02 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 13 MAR 95 Analyzed: 13 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	100	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Shawn Kassner Approved By: Mark Pokorny

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040837-0001-SA	SOIL	8240-SL	13 MAR 95-D	13 MAR 95-D

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8240-SL								
Matrix: SOIL								
QC Lot: 13 MAR 95-D								
Concentration Units: ug/kg								
1,1-Dichloroethene	50.0	38.3	39.6	39.0	78	65-137	3.3	20
Trichloroethene	50.0	46.7	50.2	48.4	97	83-118	7.2	12
Benzene	50.0	47.3	51.0	49.2	98	80-119	7.5	10
Toluene	50.0	49.6	51.4	50.5	101	80-119	3.6	12
Chlorobenzene	50.0	56.0	56.1	56.0	112	80-119	0.2	12

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8240-SL				
Matrix: SOIL				
QC Lot: 13 MAR 95-D QC Run: 13 MAR 95-D				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	50.0	45.0	90	82-112
4-Bromofluorobenzene	50.0	49.4	99	84-109
Toluene-d8	50.0	52.2	104	90-112

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC/MS

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 13 MAR 95-D QC Run: 13 MAR 95-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	1.6	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021774-00/TA5-36-BH-01-281.25
Lab ID: 040837-0002-SA
Matrix: SOIL Sampled: 02 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Roxanne Sullivan

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040837-0002-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S								
Matrix: SOIL								
QC Lot: 06 MAR 95-9D								
Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1430	1280	1280	1280	89	75-123	0.1	17

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S			
Matrix: SOIL			
QC Lot: 06 MAR 95-9D QC Run: 06 MAR 95-9D			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0

ANALYSIS REQUEST AN CHAIN OF CUSTODY

PAGE 1 / 1

SF 2001-COC (9-94)

AR/COC- 02742

Dept. No./Mail Stop: 7582 / 1347
Project/Task Manager: SLAVIN/AAS
Project Name: Hermes
Record Center Code:
Logbook Ref No: 0115-03
SMO Reference No.:

Date Samples Shipped: 3-3-95
Carrier/Waybill No.: A44939
Lab Contact: ELLEN LeRiviere
Lab Destination: QUANTERRA
SMO Contact/Phone: Pam P. - 848-0402
Send Report to SMO: Debra McLaughlin

Contract No.: 67-97368
Case No.: 3617.300
SMO Authorization:
Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Location — Tech Area: V — Building: — Room: —

Reference LOV (available at SMO)

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	8240	418.1 - TPH									Lab Sample ID
021772-00	TA5-BA-BH-01-281.50	281.50	36	3-2-95; 11:45	Soil	SL	PAS 125AC 250ml	NONE	G	SA	X										-01
021774-00	TA5-36-BH-01-281.25	281.25	36	↓ 11:45	↓	↓	↓	↓	↓	↓		X									-02

RMMA ☐ Yes ☒ No Ref. No.

Sample Disposal ☐ Return to Client ☒ Disposal by lab

Turnaround Time ☒ Normal ☐ Rush Required Report Date

Sample Tracking
Date Entered (mm/dd/yy)
Entered by:
QC Inits.

Special Instructions/QC Requirements
FAX Preliminary Results to Paula Slavin @ 848-0417 (505)

Abnormal Conditions on Receipt
#40837

Sample Team Members	Name	Signature	Init	Company/Organization
	Michael WADE	Michael Wade	MW	Quanterra / 7582
	DON SCHOFIELD	Don Schofield	DS	SNL / 7584

	Relinquished by	Received by	Org.	Date	Time
1.	[signature]	[signature]	7584 / SMO-7513	3/2/95	16:15
2.	[signature]	[signature]	SMO 7513 / GPL	3/3/95 / 3/4/95	1400 / 0945
3.					
4.					
5.					
6.					

WHITE - To Accompany Samples, Laboratory Copy BLUE - To Accompany Samples, Return to SMO YELLOW - SMO Suspense Copy PINK - Field Copy

RMAL Industrial Sample Checklist Revision 6.0 January 24, 1994

Project #: 40837 Date/Time Received: 3/4/95 0945

Company Name & Sampling Site: Sandia

*Cooler #(s): Client _____ _____ _____ * Place copy of airbill inside all non-RMAL coolers. Describe here.

Temperatures: 1.3°C _____ _____ _____

UNPACKING & LABELING CHECK POINTS:	Y	N	INITIALS
1. Radiation Checked; (record reading if > 0.5 mR/hr):	✓		AWT
2. Cooler seals Intact:	✓		
3. Chain of Custody Present:	✓		
4. Bottles broken or leaking (comment if Y): **-photograph broken bottles-**		✓	
5. Containers labeled (comment if N):	✓		
6. Chain of Custody includes "received by" and "relinquished by" signatures, dates, and times:	✓		
7. CoC agrees with bottle count (comment if N):	✓		
8. CoC agrees with labels (comment if N):	✓		
9. VOA samples filled completely (comment if N):		N/A	
10. Are VOA samples preserved? (Check for bottle labels)			
11. Sediment present in "D" bottles:			
12. Are analyses with short holding times requested?			
13. Is extra sample volume provided for Matrix Spike and/or matrix replicates?			
14. Multi phase samples present (comment if Y): **-photograph multiphase samples-**			
15. Clear picture taken, labeled, and stapled to project folder?	✓		

Comments: include action taken to resolve discrepancies/problems. Include a hard copy of VAX mail or extra paper if more space is needed.

Sample Custody Seals intact

Initials: _____

Quanterra
Environmental Services

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

RECEIVED
MAR 22 1995
SNL/SMO

March 20, 1995

Ms. Pamela Puissant
c/o Ms. Deborah Mc Laughlin
Sandia National Laboratory SMO
Organization 7513, Mail Stop 1331
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Ms. Puissant:

Enclosed is the report for eight soil samples and six aqueous samples received at Quanterra Environmental Services, Denver Laboratory on March 4, 1995. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere
Program Manager

EL
Enclosures

Quanterra #040838

Quanterra Incorporated
4955 Yarrow Street
Arvada, Colorado 80002

303 421-6611 Telephone
303 431-7171 Fax

Quanterra
Environmental Services

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA ENVIRONMENTAL SERVICES, DENVER

PROJECT NUMBER 040838

MARCH 20, 1995

Reviewed by: Ellen La Riviere

Ellen La Riviere

Quanterra
Environmental Services

I. OVERVIEW

On March 4, 1995, Quanterra Environmental Services, Denver received eight soil samples and six aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required. Quanterra sample 040838-0011-SA was analyzed at a dilution for Method 8240 due matrix interference.

Quanterra
Environmental Services

Wet Chemistry Data Review

Quanterra sample 040838-0012-SA was analyzed at a dilution for total petroleum hydrocarbons due to the concentration of the target analyte in the samples. The reporting limits have been adjusted relative to the dilution required.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra Environmental Services, Denver is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
040838-0001-SA	021771-00/TA5-36-BH-01-300.00	SOIL	03 MAR 95	08:34	04 MAR 95
040838-0002-SA	021773-00/TA5-36-BH-01-300.50	SOIL	03 MAR 95	08:34	04 MAR 95
040838-0003-SA	021768-00/TA5-36-BH-01-310.75	SOIL	03 MAR 95	09:05	04 MAR 95
040838-0004-TB	021770-00/TA5-36-BH-01-TB	AQUEOUS	03 MAR 95	08:51	04 MAR 95
040838-0005-TB	021760-00/TA5-36-BH-01-TB	AQUEOUS	03 MAR 95	08:57	04 MAR 95
040838-0006-EB	020095-00/TA5-36-BH-01-EB	AQUEOUS	03 MAR 95	08:57	04 MAR 95
040838-0007-EB	021761-00/TA5-36-BH-01-EB	AQUEOUS	03 MAR 95	08:58	04 MAR 95
040838-0008-SA	020113-00/TA5-36-BH-01-320.25	SOIL	03 MAR 95	09:25	04 MAR 95
040838-0009-SA	021767-00/TA5-36-BH-01-320.75	SOIL	03 MAR 95	09:25	04 MAR 95
040838-0010-SA	021765-00/TA5-36-BH-01-330.50	SOIL	03 MAR 95	09:55	04 MAR 95
040838-0011-SA	021764-00/TA5-36-BH-01-DW	AQUEOUS	03 MAR 95	10:58	04 MAR 95
040838-0012-SA	021763-00/TA5-36-BH-01-DW	AQUEOUS	03 MAR 95	11:01	04 MAR 95
040838-0013-SA	020112-00/TA5-36-BH-01-340.75	SOIL	03 MAR 95	11:25	04 MAR 95
040838-0014-SA	020111-00/TA5-36-BH-01-340.25	SOIL	03 MAR 95	11:25	04 MAR 95

Quanterra
Environmental Services

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 040838	Group Code	Analysis Description	Custom Test?
0002 , 0009, 0013	A	Volatile Organics	N
		Target Compound List (TCL)	N
		GC Screen For Low Level Soils	N
0001 , 0003, 0008 , 0010, 0014	B	Total Petroleum Hydrocarbons (TPH), IR	N
0004 , 0006, 0011	C	Volatile Organics	N
		Target Compound List (TCL)	N
		Screen - Volatile Organics	N
0005 , 0007, 0012	D	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Quanterra reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

Quanterra's QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Quanterra
Environmental Services

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

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Environmental Services

SAMPLE SURROGATE CONTROL LIMITS

Method 8240	Aqueous (%)	Soil (%)	TCLP (%)
4-Bromofluorobenzene	86-115	74-121	86-115
1,2-Dichloroethane-d4	76-114	70-121	76-114
Toluene-d8	88-110	81-117	88-110

Method 8260			
4-Bromofluorobenzene	70-130		
1,2-Dichloroethane-d4	70-130		
Toluene-d8	70-130		

Method 8270			
Nitrobenzene-d5	35-114	23-120	35-114
2-Fluorobiphenyl	43-116	30-115	43-116
Terphenyl-d14	33-141	18-137	33-141
Phenol-d5	10-94	24-113	10-94
2-Fluorophenol	21-100	25-121	21-100
2,4,6-Tribromophenol	10-123	19-122	10-123

Method 8080		
Decachlorobiphenyl	56-138	42-154

Method 8010		
Bromochloromethane	66-136	52-144

Method 8020		
a,a,a-Trifluorotoluene	70-130	70-130

Method 8150	
DCAA	45-123

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021773-00/TA5-36-BH-01-300.50
Lab ID: 040838-0002-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	10	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	1.4	ug/kg	10	J
Methylene chloride	ND	ug/kg	5.0	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

Surrogate	Recovery	
Toluene-d8	102	%
4-Bromofluorobenzene	100	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021773-00/TA5-36-BH-01-300.50
Lab ID: 040838-0002-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	99	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021770-00/TA5-36-BH-01-TB
Lab ID: 040838-0004-TB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 08 MAR 95 Analyzed: 08 MAR 95

Parameter	Result	Units	Reporting Limit
Acetone	ND	ug/L	10
Benzene	ND	ug/L	5.0
Bromodichloromethane	ND	ug/L	5.0
Bromoform	ND	ug/L	5.0
Bromomethane	ND	ug/L	10
2-Butanone (MEK)	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0
Carbon tetrachloride	ND	ug/L	5.0
Chlorobenzene	ND	ug/L	5.0
Chloroethane	ND	ug/L	10
Chloroform	ND	ug/L	5.0
Chloromethane	ND	ug/L	10
Dibromochloromethane	ND	ug/L	5.0
1,1-Dichloroethane	ND	ug/L	5.0
1,2-Dichloroethane	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	5.0
1,2-Dichloroethene (total)	ND	ug/L	5.0
1,2-Dichloropropane	ND	ug/L	5.0
cis-1,3-Dichloropropene	ND	ug/L	5.0
trans-1,3-Dichloropropene	ND	ug/L	5.0
Ethylbenzene	ND	ug/L	5.0
2-Hexanone	ND	ug/L	10
Methylene chloride	ND	ug/L	5.0
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10
Styrene	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0
Tetrachloroethene	ND	ug/L	5.0
Toluene	ND	ug/L	5.0
1,1,1-Trichloroethane	ND	ug/L	5.0
1,1,2-Trichloroethane	ND	ug/L	5.0
Trichloroethene	ND	ug/L	5.0
Vinyl acetate	ND	ug/L	10
Vinyl chloride	ND	ug/L	10
Xylenes (total)	ND	ug/L	5.0

Surrogate	Recovery	
Toluene-d8	101	%
4-Bromofluorobenzene	102	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Roxanne Sullivan

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021770-00/TA5-36-BH-01-TB
Lab ID: 040838-0004-TB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 08 MAR 95 Analyzed: 08 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	99	%

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Roxanne Sullivan

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 020095-00/TA5-36-BH-01-EB
Lab ID: 040838-0006-EB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 08 MAR 95 Analyzed: 08 MAR 95

Parameter	Result	Units	Reporting Limit
Acetone	ND	ug/L	10
Benzene	ND	ug/L	5.0
Bromodichloromethane	ND	ug/L	5.0
Bromoform	ND	ug/L	5.0
Bromomethane	ND	ug/L	10
2-Butanone (MEK)	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0
Carbon tetrachloride	ND	ug/L	5.0
Chlorobenzene	ND	ug/L	5.0
Chloroethane	ND	ug/L	10
Chloroform	ND	ug/L	5.0
Chloromethane	ND	ug/L	10
Dibromochloromethane	ND	ug/L	5.0
1,1-Dichloroethane	ND	ug/L	5.0
1,2-Dichloroethane	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	5.0
1,2-Dichloroethene (total)	ND	ug/L	5.0
1,2-Dichloropropane	ND	ug/L	5.0
cis-1,3-Dichloropropene	ND	ug/L	5.0
trans-1,3-Dichloropropene	ND	ug/L	5.0
Ethylbenzene	ND	ug/L	5.0
2-Hexanone	ND	ug/L	10
Methylene chloride	ND	ug/L	5.0
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10
Styrene	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0
Tetrachloroethene	ND	ug/L	5.0
Toluene	ND	ug/L	5.0
1,1,1-Trichloroethane	ND	ug/L	5.0
1,1,2-Trichloroethane	ND	ug/L	5.0
Trichloroethene	ND	ug/L	5.0
Vinyl acetate	ND	ug/L	10
Vinyl chloride	ND	ug/L	10
Xylenes (total)	ND	ug/L	5.0

Surrogate	Recovery	
Toluene-d8	100	%
4-Bromofluorobenzene	100	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Roxanne Sullivan

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 020095-00/TA5-36-BH-01-EB
Lab ID: 040838-0006-EB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 08 MAR 95 Analyzed: 08 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	98	%

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Roxanne Sullivan

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021767-00/TA5-36-BH-01-320.75
Lab ID: 040838-0009-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	5.0	ug/kg	10	J
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	1.1	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	16	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

Surrogate	Recovery	
Toluene-d8	104	%
4-Bromofluorobenzene	98	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021767-00/TA5-36-BH-01-320.75
Lab ID: 040838-0009-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	98	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021764-00/TA5-36-BH-01-DW
Lab ID: 040838-0011-SA
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 14 MAR 95 Analyzed: 14 MAR 95

Parameter	Result	Units	Reporting Limit	
Acetone	ND	ug/L	10000	
Benzene	ND	ug/L	5000	
Bromodichloromethane	ND	ug/L	5000	
Bromoform	ND	ug/L	5000	
Bromomethane	ND	ug/L	10000	
2-Butanone (MEK)	ND	ug/L	10000	
Carbon disulfide	ND	ug/L	5000	
Carbon tetrachloride	ND	ug/L	5000	
Chlorobenzene	ND	ug/L	5000	
Chloroethane	ND	ug/L	10000	
Chloroform	ND	ug/L	5000	
Chloromethane	ND	ug/L	10000	
Dibromochloromethane	ND	ug/L	5000	
1,1-Dichloroethane	ND	ug/L	5000	
1,2-Dichloroethane	ND	ug/L	5000	
1,1-Dichloroethene	ND	ug/L	5000	
1,2-Dichloroethene (total)	ND	ug/L	5000	
1,2-Dichloropropane	ND	ug/L	5000	
cis-1,3-Dichloropropene	ND	ug/L	5000	
trans-1,3-Dichloropropene	ND	ug/L	5000	
Ethylbenzene	ND	ug/L	5000	
2-Hexanone	ND	ug/L	10000	
Methylene chloride	1500	ug/L	5000	JB
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10000	
Styrene	ND	ug/L	5000	
1,1,2,2-Tetrachloroethane	ND	ug/L	5000	
Tetrachloroethene	ND	ug/L	5000	
Toluene	ND	ug/L	5000	
1,1,1-Trichloroethane	ND	ug/L	5000	
1,1,2-Trichloroethane	ND	ug/L	5000	
Trichloroethene	ND	ug/L	5000	
Vinyl acetate	ND	ug/L	10000	
Vinyl chloride	ND	ug/L	10000	
Xylenes (total)	ND	ug/L	5000	

Surrogate	Recovery	
Toluene-d8	105	%
4-Bromofluorobenzene	94	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Debra Bain Approved By: Audrey Verniero

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 021764-00/TA5-36-BH-01-DW
Lab ID: 040838-0011-SA
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 14 MAR 95 Analyzed: 14 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	101	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Debra Bain Approved By: Audrey Verniero

Quanterra Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 020112-00/TA5-36-BH-01-340.75
Lab ID: 040838-0013-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	1.0	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

Surrogate	Recovery	
Toluene-d8	101	%
4-Bromofluorobenzene	100	%

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra
Environmental Services

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: 020112-00/TA5-36-BH-01-340.75
Lab ID: 040838-0013-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: 06 MAR 95 Analyzed: 06 MAR 95

Surrogate	Recovery	
1,2-Dichloroethane-d4	96	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Paul Smith Approved By: Audrey Verniero

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040838-0002-SA	SOIL	8240-SL	06 MAR 95-J	06 MAR 95-J
040838-0004-TB	AQUEOUS	624-A	08 MAR 95-J	08 MAR 95-J
040838-0006-EB	AQUEOUS	624-A	08 MAR 95-J	08 MAR 95-J
040838-0009-SA	SOIL	8240-SL	06 MAR 95-J	06 MAR 95-J
040838-0011-SA	AQUEOUS	624-A	14 MAR 95-D	14 MAR 95-D
040838-0013-SA	SOIL	8240-SL	06 MAR 95-J	06 MAR 95-J

Quanterra Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8240-SL Matrix: SOIL QC Lot: 06 MAR 95-J Concentration Units: ug/kg								
1,1-Dichloroethene	50.0	53.7	59.6	56.6	113	65-137	10	20
Trichloroethene	50.0	46.9	47.5	47.2	94	83-118	1.3	12
Benzene	50.0	48.0	47.4	47.7	95	80-119	1.3	10
Toluene	50.0	48.2	51.0	49.6	99	80-119	5.6	12
Chlorobenzene	50.0	53.2	52.5	52.8	106	80-119	1.3	12
Category: 624-A Matrix: AQUEOUS QC Lot: 08 MAR 95-J Concentration Units: ug/L								
1,1-Dichloroethene	50.0	52.6	52.7	52.6	105	74-124	0.2	17
Trichloroethene	50.0	47.6	46.4	47.0	94	77-119	2.6	13
Benzene	50.0	48.8	48.8	48.8	98	80-117	0.0	12
Toluene	50.0	47.3	47.7	47.5	95	80-119	0.8	11
Chlorobenzene	50.0	51.0	52.5	51.8	104	81-120	2.9	14
Category: 624-A Matrix: AQUEOUS QC Lot: 14 MAR 95-D Concentration Units: ug/L								
1,1-Dichloroethene	50.0	37.0	38.4	37.7	75	74-124	3.7	17
Trichloroethene	50.0	47.3	47.2	47.2	95	77-119	0.2	13
Benzene	50.0	46.5	46.0	46.2	93	80-117	1.1	12
Toluene	50.0	49.6	48.9	49.2	99	80-119	1.4	11
Chlorobenzene	50.0	53.7	53.8	53.8	108	81-120	0.2	14

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8240-SL				
Matrix: SOIL				
QC Lot: 06 MAR 95-J QC Run: 06 MAR 95-J				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	50.0	49.4	99	82-112
4-Bromofluorobenzene	50.0	49.1	98	84-109
Toluene-d8	50.0	51.0	102	90-112
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 08 MAR 95-J QC Run: 08 MAR 95-J				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	49.5	99	85-111
4-Bromofluorobenzene	50.0	49.4	99	86-110
Toluene-d8	50.0	50.7	101	91-110
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 14 MAR 95-D QC Run: 14 MAR 95-D				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	49.0	98	85-111
4-Bromofluorobenzene	50.0	50.2	100	86-110
Toluene-d8	50.0	52.9	106	91-110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC/MS

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 06 MAR 95-J QC Run: 06 MAR 95-J

Analyte	Result	Units	Reporting Limit
Acetone	ND	ug/kg	10
Benzene	ND	ug/kg	5.0
Bromodichloromethane	ND	ug/kg	5.0
Bromoform	ND	ug/kg	5.0
Bromomethane	ND	ug/kg	10
2-Butanone (MEK)	ND	ug/kg	10
Carbon disulfide	ND	ug/kg	5.0
Carbon tetrachloride	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
Chloroethane	ND	ug/kg	10
Chloroform	ND	ug/kg	5.0
Chloromethane	ND	ug/kg	10
Dibromochloromethane	ND	ug/kg	5.0
1,1-Dichloroethane	ND	ug/kg	5.0
1,2-Dichloroethane	ND	ug/kg	5.0
1,1-Dichloroethene	ND	ug/kg	5.0
1,2-Dichloroethene (total)	ND	ug/kg	5.0
1,2-Dichloropropane	ND	ug/kg	5.0
cis-1,3-Dichloropropene	ND	ug/kg	5.0
trans-1,3-Dichloropropene	ND	ug/kg	5.0
Ethylbenzene	ND	ug/kg	5.0
2-Hexanone	ND	ug/kg	10
Methylene chloride	ND	ug/kg	5.0
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10
Styrene	ND	ug/kg	5.0
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0
Tetrachloroethene	ND	ug/kg	5.0
Toluene	ND	ug/kg	5.0
1,1,1-Trichloroethane	ND	ug/kg	5.0
1,1,2-Trichloroethane	ND	ug/kg	5.0
Trichloroethene	ND	ug/kg	5.0
Vinyl acetate	ND	ug/kg	10
Vinyl chloride	ND	ug/kg	10
Xylenes (total)	ND	ug/kg	5.0

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CP-TCL-AP
Matrix: AQUEOUS
QC Lot: 08 MAR 95-J QC Run: 08 MAR 95-J

Analyte	Result	Units	Reporting Limit
Acetone	ND	ug/L	10
Benzene	ND	ug/L	5.0
Bromodichloromethane	ND	ug/L	5.0
Bromoform	ND	ug/L	5.0
Bromomethane	ND	ug/L	10
2-Butanone (MEK)	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0
Carbon tetrachloride	ND	ug/L	5.0
Chlorobenzene	ND	ug/L	5.0
Chloroethane	ND	ug/L	10
Chloroform	ND	ug/L	5.0
Chloromethane	ND	ug/L	10
Dibromochloromethane	ND	ug/L	5.0
1,1-Dichloroethane	ND	ug/L	5.0
1,2-Dichloroethane	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	5.0
1,2-Dichloroethene (total)	ND	ug/L	5.0
1,2-Dichloropropane	ND	ug/L	5.0
cis-1,3-Dichloropropene	ND	ug/L	5.0
trans-1,3-Dichloropropene	ND	ug/L	5.0
Ethylbenzene	ND	ug/L	5.0
2-Hexanone	ND	ug/L	10
Methylene chloride	ND	ug/L	5.0
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10
Styrene	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0
Tetrachloroethene	ND	ug/L	5.0
Toluene	ND	ug/L	5.0
1,1,1-Trichloroethane	ND	ug/L	5.0
1,1,2-Trichloroethane	ND	ug/L	5.0
Trichloroethene	ND	ug/L	5.0
Vinyl acetate	ND	ug/L	10
Vinyl chloride	ND	ug/L	10
Xylenes (total)	ND	ug/L	5.0

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CP-TCL-AP
Matrix: AQUEOUS
QC Lot: 14 MAR 95-D QC Run: 14 MAR 95-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/L	10	
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
1,2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	ND	ug/L	10	
Methylene chloride	1.2	ug/L	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021771-00/TA5-36-BH-01-300.00
Lab ID: 040838-0001-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	141	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021768-00/TA5-36-BH-01-310.75
Lab ID: 040838-0003-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 021760-00/TA5-36-BH-01-TB
Lab ID: 040838-0005-TB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	07 MAR 95	07 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021761-00/TA5-36-BH-01-EB
Lab ID: 040838-0007-EB
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/L	1.0	418.1	07 MAR 95	07 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 020113-00/TA5-36-BH-01-320.25
Lab ID: 040838-0008-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021765-00/TA5-36-BH-01-330.50
Lab ID: 040838-0010-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

Quanterra Environmental Services

General Inorganics

Client Name: Sandia National Laboratory
Client ID: 021763-00/TA5-36-BH-01-DW
Lab ID: 040838-0012-SA
Matrix: AQUEOUS Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	6.3	mg/L	2.0	418.1	07 MAR 95	07 MAR 95 t

Note t : Sample diluted due to the concentration of target compounds.

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

General Inorganics

Quanterra Environmental Services

Client Name: Sandia National Laboratory
Client ID: 020111-00/TA5-36-BH-01-340.25
Lab ID: 040838-0014-SA
Matrix: SOIL Sampled: 03 MAR 95 Received: 04 MAR 95
Authorized: 04 MAR 95 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Petroleum Hydrocarbons	ND	mg/kg	20.0	3550/418.1	NA	06 MAR 95

ND = Not detected
NA = Not applicable

Reported By: Damon Lona Approved By: Jody Tolle

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
040838-0001-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D
040838-0003-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D
040838-0005-TB	AQUEOUS	TPH-IR-A	06 MAR 95-9D	06 MAR 95-9D
040838-0007-EB	AQUEOUS	TPH-IR-A	06 MAR 95-9D	06 MAR 95-9D
040838-0008-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D
040838-0010-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D
040838-0012-SA	AQUEOUS	TPH-IR-A	06 MAR 95-9D	06 MAR 95-9D
040838-0014-SA	SOIL	TPH-IR-S	06 MAR 95-9D	06 MAR 95-9D

Quanterra
Environmental Services

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 06 MAR 95-9D Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1430	1280	1280	1280	89	75-123	0.1	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 06 MAR 95-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	19.9	18.6	19.2	96	64-111	6.8	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S			
Matrix: SOIL			
QC Lot: 06 MAR 95-9D QC Run: 06 MAR 95-9D			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A			
Matrix: AQUEOUS			
QC Lot: 06 MAR 95-9D QC Run: 06 MAR 95-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0

ANALYSIS REQUEST AND CHAIN OF CUSTODY

F 2001-COC (9-94)

AR/COC- 027

Dept. No./Mail Stop: 7582/1347
Project/Task Manager: Slavin/Aas
Project Name: Hermes
Record Center Code:
Logbook Ref No: 0115 - 04
SMO Reference No.:

Date Samples Shipped: 3/3/95
Carrier/Waybill No.: A44939
Lab Contact: Ellen LeRivière
Lab Destination: Quanterra
SMO Contact/Phone: P. Puissant - 848-0402
Send Report to SMO: Debra Constant

Contract No.: 67-9736B
Case No.: 3617.300
SMO Authorization: D. Michael
Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Parameter & Method Requested

Location — Tech Area: I — Building: — — Room: —

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	8240	TPH-418.1						Lab Sample ID
021771-00	TA5-36-BH-01-300.00	300.00	36	3-3-95; 8:34	Soil	SL	250ml	NONE	G	SA		X					40838	-01
021773-00	TA5-36-BH-01-300.50	300.50	36	3-3-95; 8:34	↓	↓	↓	↓	↓	↓	X							-02
021768-00	TA5-36-BH-01-310.75	310.75	36	3-3-95; 9:05	↓	↓	↓	↓	↓	↓		X						-03
021770-00	TA5-36-BH-01-TB	—	36	3-3-95; 8:51	W	VOA	40ml	HCL	—	TB	X							-04
021760-00	TA5-36-BH-01-TB	—	36	; 8:57	↓	G	32oz	H_2SO_4	G	TB		X						-05
020095-00	TA5-36-BH-01-EB	320	36	; 8:57	↓	3 VOAS	120ml	HCL	G	EB	X							-06
021761-00	TA5-36-BH-01-EB	320	36	; 8:58	↓	G	32oz	H_2SO_4	G	EB		X						-07
020113-00	TA5-36-BH-01-320.25	320.25	36	; 9:25	S	SL	250ml	NONE	G	SA		X						-08
021767-00	TA5-36-BH-01-320.75	320.75	36	; 9:25	↓	↓	↓	↓	↓	↓	X							-09
021765-00	TA5-36-BH-01-330.50	330.50	36	; 9:55	↓	↓	↓	↓	↓	↓		X						-10

RMMA ☐ Yes ☒ No Ref. No.

Sample Disposal ☐ Return to Client ☒ Disposal by lab

Turnaround Time ☒ Normal ☐ Rush Required Report Date

Sample Tracking
Date Entered (mm/dd/yy):
Entered by:
QC Inits.

Special Instructions/QC Requirements
NOTE: Trip Blank contained an air bubble when received from lab.
DW = Decon water
Bubbles in DW VOAs from SOAP

Abnormal Conditions on Receipt

Sample Team Members	Name	Signature	Init.	Company/Organization
	Michael Wade	Michael Wade	MW	Infera/7582

1. Relinquished by	Michael Wade	Org. 7582	Date 3-3-95	Time 1240	4. Relinquished by	Org.	Date	Time
1. Received by	John Lu	Org. SMO-7513	Date 3-3-95	Time 1240	4. Received by	Org.	Date	Time
2. Relinquished by	John Lu	Org. SMO 7513	Date 3-3-95	Time 1400	5. Relinquished by	Org.	Date	Time
2. Received by	[illegible]	Org. QDL	Date 3/4/95	Time 0945	5. Received by	Org.	Date	Time
3. Relinquished by		Org.	Date	Time	6. Relinquished by	Org.	Date	Time
3. Received by		Org.	Date	Time	6. Received by	Org.	Date	Time

WHITE - To Accompany Samples, Laboratory Copy BLUE - To Accompany Samples, Return to SMO YELLOW - SMO Suspense Copy PINK - Field Copy

ANALYSIS REQUEST AND CHAIN OF CUSTODY

SF 2001-COD (9 94)

PAGE 1 OF 1

AR/COC- 02746

MW - 7582 - (3/3/95); 12:40pm

Project Name: TAV - Hermes ✓ Project/Task Manager: Slavin / Ans ✓ Case No.: 3617.300 ✓

Location Tech Area V ✓

Building — / Room — /

Sample No. - Fraction	ER Sample ID or Sample Location Detail	Beginning Depth in Ft.	ER Site No.	Date/Time Collected	Sample Matrix	Container Type	Container Volume	Preservative	Sample Collection Method	Sample Type	8240	TPH / 418.1									Lab Sample ID
02176 4 - 00	TA5-36-BH-01 - DW	0-340	36	3-3-95; 10:58	WATER	3 VOAS	120 ml TOTAL	HCL	G	DW	X							40838			-11
02176 3 - 00	TA5-36-BH-01 - DW	↓	↓	3-3-95; 11:01	↓	G	32oz	H2SO4	↓	↓		X									-12
02011 2 - 00	TA5-36-BH-01 - 340.75	340.75	36	↓ ; 11:25	Soil	SL	250ml	NONE	G	SA	X										-13
02011 1 - 00	TA5-36-BH-01-340.25	340.25	36	↓ ; 11:25	↓	↓	↓	↓	↓	SA		X									-14

Abnormal Conditions on Receipt

Recipient Initials JM

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Expense Copy PINK- Field Copy

RMAL Industrial Sample Checklist Revision 6.0 January 24, 1994

Project #: 40838 Date/Time Received: 3-4-95 945

Company Name & Sampling Site: SANDIA

*Cooler #(s): _____ _____ _____ _____

Temperatures: 1.3 _____ _____ _____

* Place copy of airbill inside all non-RMAL coolers. Describe here.

UNPACKING & LABELING CHECK POINTS:	Y	N	INITIALS
1. Radiation Checked; (record reading if > 0.5 mR/hr):	✓		JD
2. Cooler seals Intact:	✓		
3. Chain of Custody Present:	✓		
4. Bottles broken or leaking (comment if Y): **-photograph broken bottles-**		✓	
5. Containers labeled (comment if N):	✓		
6. Chain of Custody includes "received by" and "relinquished by" signatures, dates, and times:	✓		
7. CoC agrees with bottle count (comment if N):	✓		
8. CoC agrees with labels (comment if N):	✓		
9. VOA samples filled completely (comment if N):	✓ – Sample 4 airbubble		
10. Are VOA samples preserved? (Check for bottle labels)	✓		
11. Sediment present in "D" bottles:		✓	
12. Are analyses with short holding times requested?		✓	
13. Is extra sample volume provided for Matrix Spike and/or matrix replicates?		✓	
14. Multi phase samples present (comment if Y): **-photograph multiphase samples-**		✓	
15. Clear picture taken, labeled, and stapled to project folder?	✓		

Comments: include action taken to resolve discrepancies/problems. Include a hard copy of VAX mail or extra paper if more space is needed.

Sample Seals intact!
Sample 10 contained no seal

Initials: JD

AnalyticalTech

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

F.Y.I.

To: ER Site 34
Return to file

From:

Return ☐

Keep or toss ☐

Post-it™ F.Y.I. pad 7668

I.D. 505389

June 1, 1995

Sandia National Laboratories
P.O. Box 5800-MS1347
Albuquerque, NM 87185-1347

Project Name/Number: SITE 34

Attention: Paula Slavin

On 05/25/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous and non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SANDIA NATIONAL LABS	DATE RECEIVED	: 05/25/95
PROJECT #	: (NONE)		
PROJECT NAME	: SITE 34	REPORT DATE	: 06/01/95

ATI ID: 505389

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	TA3-34-G-01-30	NON-AQ	05/20/95
02	TA3-34-G-01-RBA	AQUEOUS	05/20/95
03	TA3-34-G-02-15	NON-AQ	05/20/95
04	TA3-34-G-02-FBA	AQUEOUS	05/20/95
05	TA3-34-G-02-25	NON-AQ	05/20/95
06	TA3-34-G-03-30	NON-AQ	05/20/95
07	TA3-34-G-03-30D	NON-AQ	05/20/95
08	TA3-34-G-02-10	NON-AQ	05/20/95
09	TA3-34-G-03-15	NON-AQ	05/20/95
10	TA3-34-G-01-10	NON-AQ	05/20/95
11	TA3-34-G-03-10	NON-AQ	05/20/95
12	TA3-34-G-01-15	NON-AQ	05/20/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	2
NON-AQ	10

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/26/95

PARAMETER	UNITS	02	04
PETROLEUM HYDROCARBONS, IR	MG/L	<1	<1

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: SITE 34	UNITS	: MG/L

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	052695	<1	<1	NA	12	12	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	01	03	05	06
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	07	08	09	10
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	DATE RECEIVED	: 05/25/95
PROJECT NAME	: SITE 34	DATE ANALYZED	: 05/25/95

PARAMETER	UNITS	11	12
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: SANDIA NATIONAL LABS	ATI I.D.	: 505389
PROJECT #	: (NONE)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: SITE 34	UNITS	: MG/KG

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PETROLEUM HYDROCARBONS	50538906	<20	<20	NA	170	150	113

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 5/25/95 PAGE 1 OF 2

ATI LAB I.D. 50530

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: PAULA SLAVIN

COMPANY: Sandia Nat'l Laboratories
ADDRESS: P.O. Box 5800 - MS 1347
Albuquerque, NM 87185-1347
PHONE: 505-848-0334
FAX: 505-848-0398

BILL TO:
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
TA3-34-G-01-30	5/20/95	1040	Soil	01	X																												1
TA3-34-G-01-RBA		1050	Water	02	X																												1
TA3-34-G-02-15		1142	Soil	03	X																												1
TA3-34-G-02-FBA		1150	Water	04	X																												1
TA3-34-G-02-25		1340	Soil	05	X																												1
TA3-34-G-03-30		1545	Soil	06	X																												1
TA3-34-G-03-30D		1545	Soil	07	X																												1
TA3-34-G-02-10		1137	Soil	08	X																												1
TA3-34-G-03-15		1410	Soil	09	X																												1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	9
PROJ. NAME:	Site 34	CUSTODY SEALS	Y / N / NA
P.O. NO.:	AM-0949	RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Jan Curtis Time: 1310	Signature: Time:	Signature: Time:
Printed Name: JAN Curtis Date: 5/25/95	Printed Name: Date:	Printed Name: Date:
Company: Weston Phone: 848-0345	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1310
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: 5/25/95
Company:	Company:	Analytical Technologies, Inc.

AnalyticalTechnologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 5/25/95 PAGE 2 OF 2

ATI LAB I.D. 505389

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: PAULA SLAVIN

COMPANY: Sandia Nat'L Laboratories
ADDRESS: P.O. Box 5800 – MS 1347
Albuquerque, NM 87185-1347
PHONE: 505 – 848-0334
FAX: 505 – 848-0398

BILL TO:
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
TA3-34-G-01-10	5/20/95	0945	soil	10	X																												1
TA3-34-G-03-10	↓	1405	Soil	11	X																												1
TA3-34-G-01-15	↓	1000	Soil	12	X																												1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	3
PROJ. NAME:	Site 34	CUSTODY SEALS	Y / N / NA
P.O. NO.:	AM – 0949	RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: JAN Curtis Time: 1310	Signature: Time:	Signature: Time:
Printed Name: JAN Curtis Date: 5/25/95	Printed Name: Date:	Printed Name: Date:
Company: WESTON Phone: 848-0345	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1310
Printed Name: Date:	Printed Name: Date:	Printed Name: Diane Curtis Date: 5/26/95
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San D[illegible] 19) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 [illegible] and (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • [illegible] ORIGINATOR

Attachment 36-3

Closure Letter from NMED/UST Bureau

State of New Mexico
ENVIRONMENT DEPARTMENT
Underground Storage Tank Bureau
District I Office
4131 Montgomery, NE
Albuquerque, New Mexico 87109
(505) 841-9459

GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

EDGAR T. THORNTON, III
DEPUTY SECRETARY

April 13, 1995

John Olav Johnsen
Department of Energy
Kirtland Area Office
P.O. Box 5400
Albuquerque, New Mexico 87185-5400

RE: NO FURTHER ACTION REQUIRED AT SANDIA NATIONAL LABORATORIES LEAKING UNDERGROUND STORAGE TANK SITE, HERMES II, BUILDING NUMBER 6595, TANKS 1-5

Dear Mr. Johnsen:

The New Mexico Environment Department reviewed the "Hermes II Site, Technical Area V, On-Site Investigation at Former Underground Storage Tank No. 6595-1 through No. 6595-5", dated March 13, 1992, submitted by International Technology Corporation. The New Mexico Environment Department determines that this site does not pose an immediate public health or environmental threat for the following reasons:

- data from soil borings drilled at the site show that soil contamination extends to 271 feet below ground surface,

- depth to ground water is 493 feet.

Therefore, the Department is not requiring additional work at this time. However, the Department reserves the right to require additional work in the furure if data become available that indicate the presence of petroleum hydrocarbon contamination emanating from or in the vicinity of this site resulting in a threat to public health or the environment.

Thank you for your cooperation in this mater.

Sincerely,

Betsy Hovda

Betsy Hovda
Underground Storage Tank Bureau

xc: NMED District I Office
Martiyne J. Kieling, NMED HRMB

Attachment 37-1

Letter from DOE to NMED UST Bureau on Underground Storage Tanks 6597-2 through 6597-8, dated June 28, 1993

Letter from DOE to NMED UST Bureau on Underground Storage Tanks 6597-2 through 6597-8, dated April 29, 1994

Department of Energy
Albuquerque Operations Office
Kirtland Area Office
P.O. Box 5400
Albuquerque New Mexico 87115
JUN 28 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mrs. Shelda Mendoza
Program Manager, Underground Storage Tank Bureau
New Mexico Environment Department
1100 St. Francis Drive
Santa Fe, New Mexico 87503

Dear Mrs. Mendoza:

This is to notify you of the removal and final closure of Underground Storage Tanks (USTs) 6597-2 through 6597-8 (IBEX Site USTs) at Sandia National Laboratories, New Mexico. Enclosed, for this purpose, is a completed EPA Form 7530-1 (Notification for Underground Storage Tanks), Tank Closure Worksheet, owner's copy of the Inspection Report provided by the on-site State Inspector, Mr. Mark Coffman, a Certificate of Destruction for each UST, and a copy of the certified soil sample analysis. These USTs were placed in out-of-service status on January 31, 1992; the actual removals occurred during the period April 26, 1993, through May 6, 1993 and involved the removal of seven 25,000 gallon steel USTs and associated piping.

Soil samples were taken approximately four feet from each end of each UST and approximately two feet below each UST bottom. A split for Hanby field analysis was taken with the remainder of the sample being sealed in a container to be analyzed by a certified laboratory. The analysis was for Total Petroleum Hydrocarbons (TPH). Fourteen samples were taken for analysis plus two quality control samples (one duplicate and one spike/matrix spike duplicate) and one equipment decontamination rinsate water sample. Results of the Hanby field screening indicated "blank" for all soil samples. Results of the certified analysis indicated, for the fourteen soil samples, ten "non-detect" (26 mg/kg detection limit) with the other four ranging between 26 and 96 mg/kg.

If you have any questions, please contact John Olav Johnsen, of my staff, at 845-4827.

Sincerely,

Kathleen A. Carlson
Area Manager
Kirtland Area Office

Enclosures

cc w/enclosures:
M. Coffman, NMED, UST Bureau

cc w/o enclosures:
J. T. Roybal, 7052, SNL

Department of Energy
Albuquerque Operations Office
Kirtland Area Office
P.O. Box 5400
Albuquerque New Mexico 87115

APR 29 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. Betsy Hovda
Underground Storage Tank Bureau
District I Office
New Mexico Environment Department
4131 Montgomery Boulevard, N. E.
Albuquerque, New Mexico 87109

Dear Ms. Hovda:

As we discussed several weeks ago, the Sandia National Laboratories, New Mexico (SNL/NM), which is operated under contract for the U. S. Department of Energy (DOE), has removed a number of Underground Storage Tanks (USTs) over the past four years. A review of records of both SNL/NM and the DOE Kirtland Area Office (KAO) for closure acceptance letters from the New Mexico Environment Department (NMED) indicates that sixteen closure acceptance letters are not in the files, nor is there any record of their receipt. The following is a list of the USTs for which we need closure acceptance letters:

605-12	840-1	6018-1	6028-1	6500-1	6505-1
6536-1	6581-1	6596-1	6597-2 thru-8		
6630-1	6720-1	7570-1	9832-1	9970-1	Burn Site-7

Your assistance in this matter is appreciated. If you have any questions or require further information please contact me at 845-4827.

Sincerely,

John Olav Johnsen
Physical Scientist
Environment, Safety, Health,
and Compliance Branch
Kirtland Area Office

cc:
C. Fink, MS 1303, SNL
T. Roybal, MS 1347, SNL

Attachment 37-2

UST 6597-2 through 6597-8 Removal and Closure Report, Sandia National Laboratories, 1993

Sample Results from UST Excavation and Oil from Tanks

Site 155: Building 6597 PROTO/IBEX UST System

ER Site 155 is the former location of the PROTO/IBEX underground storage tank (UST) system and is located on the east side of Building 6597 within Technical Area 5 (TA-5).

UST DESIGN AND REGISTRATION DATA

Seven USTs were previously located at ER Site 155 and supported PROTO and IBEX test operations conducted in Building 6597 (DOE, 1993b). The tanks were registered with the NMED UST Bureau as UST Nos. 6597-2 through 6597-8 (DOE, 1993c). This UST system was located about 50 ft (15.2 m) east of Building 6597 (Figure 1). The seven USTs were installed in 1972 and were taken out of service on January 31, 1992. The tanks were removed during April and May 1993.

The total capacity of the UST system was approximately 175,000 gallons (661,500 L) of transformer oil. The tanks stored petroleum-hydrocarbon based, non-PCB, insulating (dielectric) transformer oils with the trade names Diala A™, Diala AX™, Univolt™, and Shell 61™ (EXXON, 1989; Shell 1989). Each UST had a volume of 25,000 (94,500 L) gallons with a diameter and length of 11 ft (3.4 m) and 35 ft (11 m), respectively. The tanks were constructed of steel and were connected using manifolds along the east and west ends of the tanks. A pump house was located at the southwest corner of tank 6597-2 and connected the UST manifold system to a particulate filtration system in the Building 6597 oil filter room. The base of each tank was at a depth of 18 ft (6 m) BGS (below ground surface) and a vent was located at the east end of each tank. The tanks were not mounted to concrete pads. The tanks did not have secondary containment, overfill protection, or leak detection systems. No inventory control or precision testing data were kept. After removal, all seven tanks were pressure washed and inspected; no perforations were evident.

Six valve boxes were located along the tank manifolds (Figure 1). The six valve boxes have previously been incorrectly referred to as 12 drywells (DOE, 1993b). The valve boxes were constructed of vertical sections of 2.5-ft (0.8 m) diameter corrugated metal pipe (culverts) and each was about 20 ft (6.1 m) in length. The valve boxes extended about 1 ft (0.3 m) above ground level downward to the manifold valves. Ladders provided access to the valves.

No releases from the Building 6597 USTs or piping have been previously reported for Site 155. Before the tanks were excavated, the ground surface was inspected. No oil-stained soil was visible on

the ground above the USTs or next to the tank vents and valve boxes; some oily residue was present on the vents but not on the soil (Roybal, 1993; Olguin, 1993).

Oil-stained soil was present around each aboveground pump located at the west ends of USTs 6597-3 and 6597-4. The oil-stained soil was confined to a 3 ft by 3 ft area within 2 ft of the ground surface at each of the two pumps. This approximate 18 ft^3 of soil at each pump was not sampled. However, the soil was not oil saturated. The soil was segregated during the tank removal operation. After the tank excavation was almost totally back filled, the stained soil was place back at its two original locations.

During the tank removal operation, the piping was inspected and determined to be intact except for one piping flange at the west end of UST 6597-3; approximately 1 ft^3 of soil was oil stained but not saturated. This soil was not sampled or segregated.

SITE GEOLOGY

Seven ft (2.1 m) of earthen fill material had covered the tanks with several inches of gravel served as ground cover. The geologic strata underlying the tank site consists of unconsolidated Quaternary sand and gravel. The depth to ground water is approximately 495 ft (151 m) (DOE, 1993c). An inactive water supply well, KAFB-10, is located about 300 ft (91 m) northwest of the tank site. The nearest active water supply wells, ~~KAFB-4 and~~ KAFB-8, ~~are~~ located about ~~2.9 miles (4.7 km)~~ and 2.5 miles (4.0 km), respectively, northwest of the tank site.

REMOVAL OPERATION

Several organizations were involved in the 1993 tank removal operation. SNL/NM coordinated the tank pull. The tank removal contractor was Henderson Construction Inc. SNL/NM personnel collected soil samples from the tank excavation. An NMED UST inspector was present during some portions of the tank removal operation (NMED, 1993).

The contents of the tanks were sampled prior to the tank removal operation. The transformer oil was analyzed for 7 Aroclors (PCBs). Six PCBs were not detected in laboratory samples at the 1.0 ppm (mg/kg) detection limit. Aroclor-1254 was detected at 1.2 ppm (mg/kg). The oil was also analyzed for radiological constituents. No tritium or alpha and beta radiation exceeded background levels.

To remove the USTs, a 150 ft (46 m) long by 80 ft (24 m) wide excavation was dug to a depth of 18 ft (6 m). After removal, each tank interior was steamed cleaned and visually inspected. No tank

perforations were evident. All seven tanks were subsequently cut up as scrap metal. The rinse water from tank washing was disposed of offsite.

No oil-stained soil was visible on the tank excavation floor including the areas beneath the tanks, manifolds, and valve boxes (Roybal, 1993; Olguin, 1993).

Soil samples were collected from the floor of the tank excavation on April 13, 1993. As shown on Figure 2, two grab samples were collected from beneath the west and east ends of each tank base at 20 ft BGS (below ground surface). The soil samples were collected at two ft below each tank base using a hand shovel. After the samples were field screened for TPH (total petroleum hydrocarbons), the tank excavation was back filled with clean native sand and gravel.

As shown in Table 1, the 16 soil samples were collected from 14 locations and submitted to the Encotec Analytical Laboratory in Ann Arbor, MI. The samples included two duplicate soil samples. The soil samples were analyzed for TPH using EPA Method 418.1. The reported concentrations ranged from below the detection limit of 25.0 ppm (mg/kg) to a maximum of 96.0 ppm (mg/kg) which is below the NM UST regulatory limit of 100 ppm TPH. The sampling location with the maximum TPH concentration was at west end of 6597-4. The vertical distance from this soil which yielded a TPH concentration of 96 ppm (mg/kg) to ground water is 473 ft (144 m).

All 16 soil samples were field screened using the Handby Direct Extraction Method (HDEM) which is a colorimetric field technique for determining TPH concentrations. The soil sample results using the Handby Method were below the detection limit of 1.0 ppm (Table 1).

A rinsate water sample (ER92004987) was also submitted to Encotec. The sample consisted of water used to wash soil sampling equipment. The water sample was prepared after soil sample ER92004975 was collected. The water sample was analyzed for TPH using EPA Method 418.1. TPH was not reported above the detection limit of 1.0 ppm (mg/L). This result indicates that equipment decontamination procedures were adequate.

Table 1. TPH concentrations for soil samples collected from PROTO/IBEX UST excavation at Building 6597.

Location #	Sample ID#	Media	Sample Location	TPH (ppm, mg/kg) by Method 418.1	TPH (ppm) by HDEM
1	ER92004971	soil	6597-2, west end	57.0	<1.0
2	ER92004972	soil	6597-2, east end	<25.0	<1.0
3	ER92004973	soil	6597-3, west end	27.0	<1.0
4	ER92004974	soil	6597-3, east end	26.0	<1.0
5	ER92004975	soil	6597-4, west end	96.0	<1.0
6	ER92004976	soil	6597-4, east end	<26.0	<1.0
7	ER92004977	soil	6597-5, west end	<25.0	<1.0
8	ER92004978	soil	6597-5, east end	<26.0	<1.0
9	ER92004979	soil	6597-6, west end	<25.0	<1.0
10	ER92004980	soil	6597-6, east end	<26.0	<1.0
11	ER92004981	soil	6597-7, west end	<25.0	<1.0
12	ER92004982	soil	6597-7, east end	<25.0	<1.0
13	ER92004983	soil	6597-8, west end	<25.0	<1.0
14	ER92004984	soil	6597-8, east end	<26.0	<1.0
15	ER92004985	soil	duplicate of #5	51.0	<1.0
16	ER92004986	soil	duplicate of #12	27.0	<1.0

CONCLUSION

The only potential chemical of concern for the UST system was transformer oil. Sixteen soil samples were used to characterize the tank excavation. The laboratory analytical results of the soil samples are adequate to conclude that all soil samples were below the 100 ppm (mg/kg) TPH guidance standard set by NMED for UST sites. The combined results of soil sampling and visual inspection demonstrate that the tank closure activities were sufficient in determining that no significant releases had occurred from the PROTO/IBEX UST system. SNL-NM sent a tank closure notification letter to NMED UST Bureau on June 28, 1993. (Carlson, 1993). A closure acceptance letter has not yet been received from NMED.

NFA

The results of the soil sampling are adequate to conclude that no further action (NFA) is warranted for this ER Site; no additional soil sampling is proposed. No remediation is necessary.

REFERENCES

Carlson, K. A. (1993) DOE/KAO letter to S. Mendoza, NMED UST Program, June 28, 1993, [closure of 6597-2 to 6597-8].

EXXON Company, USA (1989), MSDS for Univolt N 61 Petroleum Electrical Insulating Oil, June 1, 1989.

NMED (1993), *Inspection Report* [Case Number 397 for USTs 6597-2 through 6597-8], April 6, 1993.

Olguin, C. (1993), SNL-NM Dept. 7582, *personal communication* with J. R. Copland, SAIC, October 11, 1993.

Roybal, J. A. (1993), SNL-NM Dept. 7582, letter - *Underground Storage Tank (UST) 6597-2 Through -8 Removals and Final Closure,* to J. O. Johnsen, DOE/KAO/ESHCB, June 9, 1993.

Roybal, J. A., (1993), SNL-NM Dept. 7582, *personal communication* with J. R. Copland, SAIC, October 11, 1993.

Shell Company, USA (1989), MSDS 60.030-7 for Shell Diala(R) Oil AX - Petroleum Hydrocarbon Industrial Oil, September 4, 1989.

U.S. Department of Energy, (1993a), *Technical Areas 3 and 5 RCRA Facility Investigation Workplan,* Sandia National Laboratories/New Mexico.

U.S. Department of Energy, (1993b), *Notification for Underground Storage Tanks form OMB No. 2050-0049,* [submitted for UST 6597-2 thru 6597-8 to NMED].

U.S. Department of Energy, (1993c), *Ground water Monitoring Program Calendar year 1992 Annual Report Sandia National Laboratories/New Mexico.*

US 5 6597 02

Sandia National Laboratories

Albuquerque, New Mexico 87185

date: March 29, 1993

to: Carl Peterson, 7951

Tony Roybal

from: Tony Roybal, 7723

subject: Analytical Results for Project TW0266, the Removal of Building 6597 Tank Farm

For the record, I am attaching analytical results done for PCBs done on the oil held by Underground Storage Tanks 6597-2 through -8 located east of building 6597. Also attached are the radiological results of a soil survey for the excavation site and for an oil sample from the tanks. The two PCB samples indicated "none detected" (ND) above a reporting limit of 1.0 mg/kg for one sample and 1.2 mg/kg for the second sample. The radiological results indicate no radiation greater than background levels were found.

If you have any questions, please give me a call at 848-0451.

JAR:7723:jar d:\wp51\docs\6597anal.mem

Copy to:
7723 J. A. Roybal
7723 C. Olguin
7723 Dayfile
7724 Records Center UST Activity - Master File
7724 Records Center UST 6597-2 through -8 Files
7952-2 R. E. Simmons
7952-2 J. Harding
7025 T. E. Blejwas

INFORMATION ONLY

INTERNATIONAL TECHNOLOGY CORPORATION

June 24, 1992

Project No. 301181.14.01

Mr. Lewis Marlman
Sandia National Laboratories, Albuquerque
Department 7721
P.O. Box 5800
Albuquerque, NM 87185-5800

PCB Analysis Results for Samples SNLA005326 and SNLA005327, Collected June 2, 1992

Dear Mr. Marlman:

Enclosed is a revised analytical report, original analytical report (superseded), and sample control documentation for samples SNLA005326 and SNLA005327. These samples were collected on June 2, 1992. SNLA005326 was identified as a soil (Safety Step™ absorbent) and SNLA005327 was identified as an oil on the attached sample collection log. The samples were hand carried to the Assaigai laboratory for polychlorinated biphenyl (PCB) analysis immediately following sample collection.

Results for the analysis are contained in the attached, revised laboratory report. Results for sample SNLA005326 were reported as "none detected" (ND) above a reporting limit of 1.0 milligram per kilogram (mg/kg). The oil sample SNLA005327 contained 1.2 mg/kg of PCB aroclor 1254.

Analysis values in the revised laboratory report are slightly lower than the values originally reported by Assaigai on June 8, 1992. Assaigai issued the revised report in response to a corrective action investigation which resulted from their poor performance on duplicate blind spike samples submitted by the Sample Management Office. Revised and original analytical

AL/6-92/ESRC/ESC-ML.155

results for the blind spike samples and details of the corrective action response have been previously transmitted to Sandia under separate cover. If you have any questions concerning these data, please contact the undersigned at 262-8800.

Sincerely,

IT CORPORATION

Mark Lyon

Mark Lyon
Project Chemist

ML:vm
Enclosure

ANALYTICAL LABORATORIES, INC. • 7300 Jefferson, N.E. • Albuquerque, New Mexico 87109
3711 Admiral, Suite C • El Paso, Texas 79925

REPORT

Work Order # 92-06-023

Received: 06/02/92

Results by Sample

SAMPLE ID SMLA 5326 FRACTION 01A TEST CODE SPCB NAME PCBs only in soil
Date & Time Collected 06/02/92 10:30:00 Category SOIL

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
PCB-1016	ND	0.033	1.0	06/05/92
PCB-1221	ND	0.033	1.0	06/05/92
PCB-1232	ND	0.033	1.0	06/05/92
PCB-1242	ND	0.033	1.0	06/05/92
PCB-1248	ND	0.033	1.0	06/05/92
PCB-1254	ND	0.033	1.0	06/05/92
PCB-1260	ND	0.033	1.0	06/05/92

Notes and Definitions for this Report:

EXTRACTED 06/04/92
ANALYST SK
FILE ID 119
UNITS mg/Kg
BATCH_ID GC-P0147
PRCNT_MOIST N/A

Member: American Council of Independent Laboratories

THIS REPORT MUST NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM PRODUCT ENDORSEMENT BY THE NATIONAL LABORATORY VOLUNTARY ACCREDITATION PROGRAM OR ANY OTHER AGENCY OF THE UNITED STATES GOVERNMENT.

ANALYTICAL LABORATORIES, INC. • 7300 Jefferson, N.E. • Albuquerque, New Mexico 87109
3711 Admiral, Suite C • El Paso, Texas 79925

REPORT

Work Order # 92-06-023

Received: 06/02/92

Results by Sample

SAMPLE ID SWLA 5327 FRACTION 02A TEST CODE OPCB NAME PCBs only in oil

Date & Time Collected 06/02/92 10:30:00 Category OIL

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
PCB-1016	ND	1.0	1.0	06/05/92
PCB-1221	ND	1.0	1.0	06/05/92
PCB-1232	ND	1.0	1.0	06/05/92
PCB-1242	ND	1.0	1.0	06/05/92
PCB-1248	ND	1.0	1.0	06/05/92
PCB-1254	1.2	1.0	1.0	06/05/92
PCB-1260	ND	1.0	1.0	06/05/92

Notes and Definitions for this Report:

EXTRACTED 06/04/92
ANALYST SK
FILE ID 118
UNITS mg/Kg
BATCH_ID GC-P0147
COMMENTS N/A

Member American Council of Independent Laboratories, Inc.

THIS REPORT MUST NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM PRODUCT ENDORSEMENT BY THE NATIONAL LABORATORY VOLUNTARY ACCREDITATION PROGRAM

SANDIA NATIONAL LABORATORIES

Albuquerque, New Mexico 87185

date: March 11, 1993

to: T. Roybol, 7723

from: S.E. Narrow, 7714

subject: Radiological Survey Results for Tech Area V Tank Farm

A radiological survey was performed on March 8, 1993 on the Tech Area V tank farm. An oil sample was counted for tritium,alpha and beta contamination and soil from the tank farm was analyzed for alpha, beta, and gamma radiation. No radiation greater than background levels were found.

This site is not a radiologically controlled area and work can proceed without health physics coverage.

copy to:
7714 file 93/7714/057

APPENDIX B. FIELD SCREENING RESULTS

SITE 37 SOIL SCREENING RESULTS

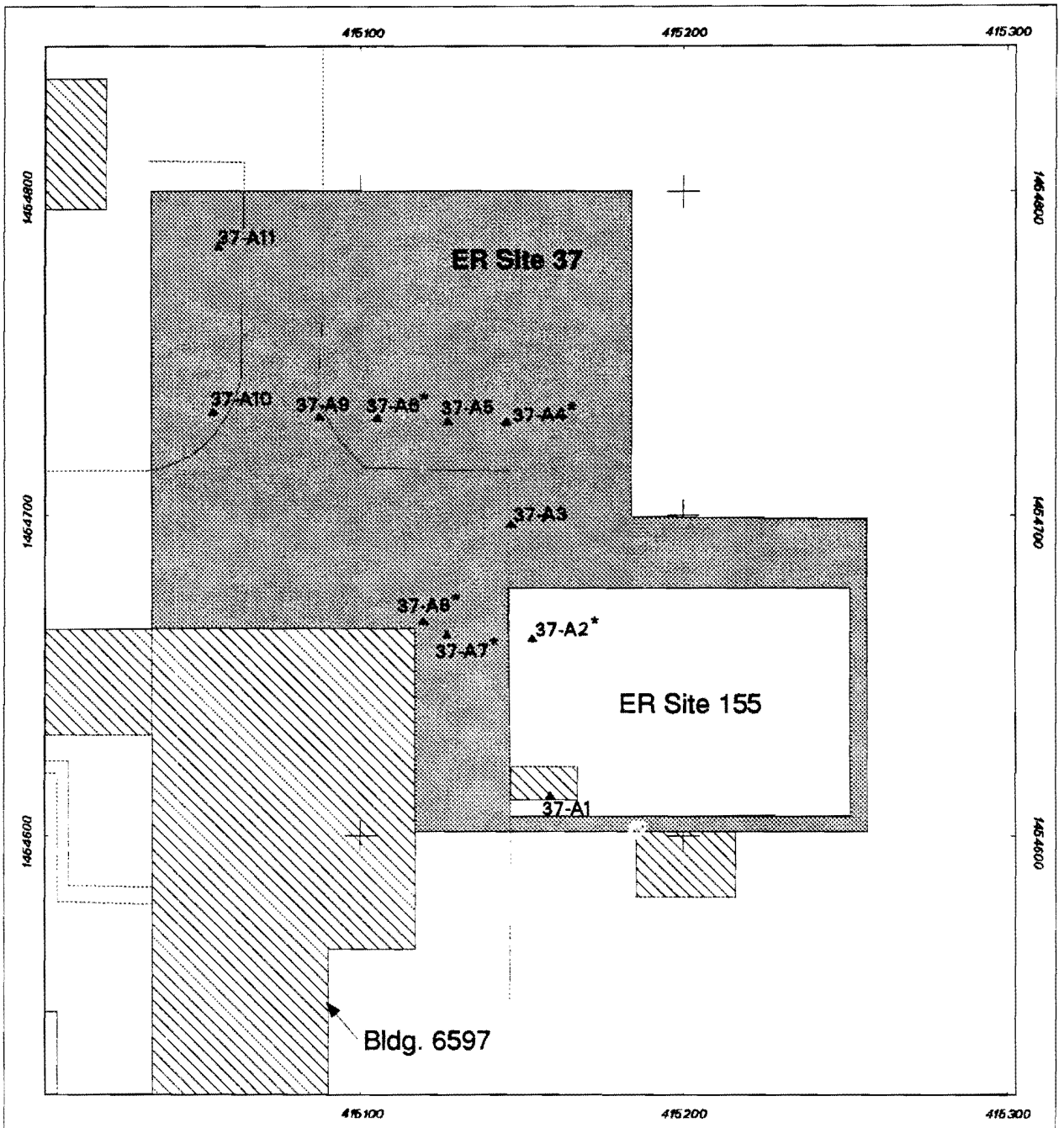
		TPH		PCBs	
Sample Label	Location	Field Results	Lab Results	Field Results	Lab Results
15226	37-A2-5	NA	NA	ND	ND
15229	37-A4-1	NA	ND	ND	NA
NA	37-A4-5	ND	NA	NA	NA
NA	37-A5-1	ND	NA	NA	NA
NA	37-A5-5	ND	NA	NA	NA
15235	37-A6-1	ND	ND	NA	NA
NA	37-A6-5	ND	NA	NA	NA
15237	37-A7-1	ND	ND	<10 ppm	ND
15238	37-A7-5	ND	ND	NA	ND
15239	37-A8-1	ND	ND	<10 ppm	ND
15240	37-A8-5	ND	ND	NA	NA
15241	37-A8-5D	ND	ND	NA	NA
NA	37-A9-1	ND	NA	NA	NA
NA	37-A9-5	ND	NA	NA	NA
NA	37-A10-1	ND	NA	NA	NA
NA	37-A10-5	ND	NA	NA	NA
NA	37-A11-1	ND	NA	NA	NA
NA	37-A11-5	ND	NA	NA	NA

Definitions:

NA- Not Applicable
ND- Not Detected
PCBs- Polychlorinated Biphenyls
PPM- Parts Per Million
TPH- Total Petroleum Hydrocarbons

Attachment 37-3

Figure 9-2 showing laboratory and field screening samples



Legend

▲37-A1	Auger Soil Sample analyzed by field screening only
▲37-A2*	Auger Soil Sample analyzed in the laboratory
----------	Road
▒	ER Site 37
▨	Building

Sandia National Laboratories, New Mexico
Environmental Restoration Geographic Information System

Figure 9-2 ER Site 37
Location of
Near-Surface Soil Samples, TA-V

0 25 50
Scale in Feet

0 6 12
Scale in Meters

Unclassified

FINAL

1:600

Transverse Mercator Projection, New Mexico State Plane Coordinate System, Central Zone
1927 North American Horizontal Datum, 1929 North American Vertical Datum

DHelfrich SNL GIS ORG. 6804 06/25/98 MAPID=980701

Attachment 37-4

Laboratory Analytical Results for ER Site 37

Laboratory QA/QC – copied from laboratory reports

APPENDIX C. LABORATORY ANALYTICAL DATA

ERSITE	Test Method	Analyte	Sample ID	Sample Depth (ft)	Sample Date	Result	Units	Detection Lim	Qualifier
37	8240	1,2-DICHLOROETHANE	TA3/5-37-A4-2	2	09-JUN-94	6.3	ug/kg	5	
		ACETONE	TA3/5-37-A7-1	1	10-JUN-94	8	ug/kg	10	J
			TA3/5-37-A7-5	5	10-JUN-94	9.9	ug/kg	10	J
		METHYLENE CHLORIDE	TA3/5-37-A4-2	2	09-JUN-94	4.8	ug/kg	5	BJ
			TA3/5-37-A7-1	1	10-JUN-94	4.5	ug/kg	5	BJ
			TA3/5-37-A7-5	5	10-JUN-94	4.9	ug/kg	5	BJ
		TETRACHLOROETHENE	TA3/5-37-A4-2	2	09-JUN-94	2.1	ug/kg	5	J
		TRICHLOROETHENE	TA3/5-37-A4-2	2	09-JUN-94	1.9	ug/kg	5	J

ER Site 37 RFI Analytical Results; PCBs (Method 8080)

ER Sample ID	Sample Number	Sample Date	Sample Depth (Feet)	Analyte	Units	Sample Type	Amount Detected	QC Flag	Material Description
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1016	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1221	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1232	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1242	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1248	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1254	ug/Kg	F	<33	U	SOIL
TA3/5-37-A2-5	SNL0130227	09-JUN-94	5	Aroclor 1260	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1016	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1221	ug/kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1232	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1242	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1248	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	NL/NM015229-1	06-JUN-94	1	Aroclor 1254	ug/Kg	SD	36		SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1254	ug/Kg	F	<33	U	SOIL
TA3/5-37-A4-1	SNL0130229	09-JUN-94	1	Aroclor 1260	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1016	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1221	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1232	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1242	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1248	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1254	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-1	SNL0130237	10-JUN-94	1	Aroclor 1260	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1016	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1221	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1232	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1242	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1248	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1254	ug/Kg	F	<33	U	SOIL
TA3/5-37-A7-5	SNL0130240	10-JUN-94	5	Aroclor 1260	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1016	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1221	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1232	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1242	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1248	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1254	ug/Kg	F	<33	U	SOIL
TA3/5-37-A8-1	SNL0130243	10-JUN-94	1	Aroclor 1260	ug/Kg	F	<33	U	SOIL
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1016	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1221	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1232	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1242	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1248	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1254	ug/L	FB	<1	U	WATER
TA3/5-37-FBA	SNL0130232	09-JUN-94	0	Aroclor 1260	ug/L	FB	<1	U	WATER

ER Site 37 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-37-A4-2	SNL0130230	F	2	Acetone	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Bromodichloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Bromoform	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Bromomethane	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Butanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Carbon disulfide	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Carbon tetrachloride	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Chlorobenzene	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Chloroethane	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Chloroform	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Chloromethane	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dibromochloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichlorodifluoromethane	ug/Kg	<20	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloroethane, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloroethane, 1,2-	ug/Kg	6.3		SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloroethene, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloroethene, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloromethane-methylene chloride	ug/Kg	4.8	BJ	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloropropane, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloropropene, cis-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Dichloropropene, trans-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Ethyl benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Hexanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Pentanone, 4-methyl-, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Styrene	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Tetrachloroethane, 1,1,2,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Tetrachloroethene	ug/Kg	2.1	J	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Toluene	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Trichloro-1,2,2-trifluorethane, 1,1,2-	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Trichloroethane, 1,1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Trichloroethane, 1,1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Trichloroethene	ug/Kg	1.9	J	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Trichlorofluoromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Vinyl acetate	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Vinyl chloride	ug/Kg	<10	U	SOIL
TA3/5-37-A4-2	SNL0130230	F	2	Xylenes, total	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Acetone	ug/Kg	8	J	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Bromodichloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Bromoform	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Bromomethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Butanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Carbon disulfide	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Carbon tetrachloride	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Chlorobenzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Chloroethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Chloroform	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Chloromethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dibromochloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichlorodifluoromethane	ug/Kg	<20	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloroethane, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloroethane, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloroethene, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloroethene, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloromethane-methylene chloride	ug/Kg	4.5	BJ	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloropropane, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloropropene, cis-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Dichloropropene, trans-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Ethyl benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Hexanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Pentanone, 4-methyl-, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Styrene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Tetrachloroethane, 1,1,2,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Tetrachloroethene	ug/Kg	<5	U	SOIL

ER Site 37 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-37-A7-1	SNL0130238	F	1	Toluene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Trichloro-1,2,2-trifluorethane, 1,1,2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Trichloroethane, 1,1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Trichloroethane, 1,1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Trichloroethene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Trichlorofluoromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Vinyl acetate	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Vinyl chloride	ug/Kg	<10	U	SOIL
TA3/5-37-A7-1	SNL0130238	F	1	Xylenes, total	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Acetone	ug/Kg	9.9	J	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Bromodichloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Bromoform	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Bromomethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Butanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Carbon disulfide	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Carbon tetrachloride	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Chlorobenzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Chloroethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Chloroform	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Chloromethane	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dibromochloromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichlorodifluoromethane	ug/Kg	<20	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloroethane, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloroethane, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloroethene, 1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloroethene, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloromethane-methylene chloride	ug/Kg	4.9	BJ	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloropropane, 1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloropropene, cis-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Dichloropropene, trans-1,3-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Ethyl benzene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Hexanone, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Pentanone, 4-methyl-, 2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Styrene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Tetrachloroethane, 1,1,2,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Tetrachloroethene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Toluene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Trichloro-1,2,2-trifluorethane, 1,1,2-	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Trichloroethane, 1,1,1-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Trichloroethane, 1,1,2-	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Trichloroethene	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Trichlorofluoromethane	ug/Kg	<5	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Vinyl acetate	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Vinyl chloride	ug/Kg	<10	U	SOIL
TA3/5-37-A7-5	SNL0130241	F	5	Xylenes, total	ug/Kg	<5	U	SOIL
TA3/5-37-FBA	SNL0130233	FB	0	Acetone	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Benzene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Bromoform	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Chloroform	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichlorodifluoromethane	ug/L	<20	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER

ER Site 37 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-37-FBA	SNL0130233	FB	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloromethane-methylene chloride	ug/L	2.6	BJ	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Styrene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Toluene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Trichloro-1,2,2-trifluorethane, 1,1,2-	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Trichlorofluoromethane	ug/L	<5	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-37-FBA	SNL0130233	FB	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Acetone	ug/L	3.5	J	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Benzene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Bromoform	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Chloroform	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichlorodifluoromethane	ug/L	<20	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloromethane-methylene chloride	ug/L	3.8	BJ	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Styrene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Toluene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Trichloro-1,2,2-trifluorethane, 1,1,2-	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Trichlorofluoromethane	ug/L	<5	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-37-TBA	SNL0130234	TB	0	Xylenes, total	ug/L	<5	U	WATER

ER Site 37 RFI Analytical Results; Total Petroleum Hydrocarbons (Method 3550/418.)

ER Sample ID	Sample Number	Sample Date	Sample Depth (Feet)	Analyte	Units	Sample Type	Amount Detected	QC Flag	Material Description
TA3/5-37-A2-5	SNL0130226	09-JUN-94	5	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A4-1	SNL0130228	09-JUN-94	1	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A4-1	SNL/NM015229-1	06-JUN-94	1	Petroleum hydrocarbon, total	mg/kg	SD	231		SOIL
TA3/5-37-A6-1	SNL0130235	10-JUN-94	1	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A7-1	SNL0130236	10-JUN-94	1	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A7-5	SNL0130239	10-JUN-94	5	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A8-1	SNL0130242	10-JUN-94	1	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A8-5	SNL0130244	9-Jun-94	5	Hydrocarbon, total petroleum	mg/kg	F	<20	U	SOIL
TA3/5-37-A8-5D	SNL0130245	10-JUN-94	5	Hydrocarbon, total petroleum	mg/kg	D	<20	U	SOIL
TA3/5-37-FBA	SNL0130231	09-JUN-94	0	Hydrocarbon, total petroleum	mg/L	FB	<1	U	WATER

Sandia National Laboratories

SF 2001-COC (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AR/COC-00158

PAGE 1 OF 2

Department No.: 7582
Project/Task Manager: CHRIS AAS / PAULA SLAVIN
Project Name: TA-III/8-SITE 37
Sample Team Members: RAY PATTESON, PAULA J. SLAVIN, ERNE YINSANT
SCL or Logbook Ref. No.: SCL-00419, 00422

Date Samples Shipped: 6/10/94
Carrier/Waybill No.: A 44331
Lab Destination: ENSECO RMAL
Lab Contact: E. LARIVIERE
SMO Contact/Phone: 505-262-8800
Send Report to SMO: MARK LYON / D. CONSTANT
SMO Reference No.: N/A

Bill to: Sandia National Laboratories, Supplier Services Department, P.O. Box 5800 MS 0154, Albuquerque, NM 87185-0154
Contract No.: 67-9736B
Case No.: 3617.300
SMO Authorization: D. McLaughl

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
SNL/NM 015226-1	SOIL	06/09/94 1126	Sleeve	300 ml	ICE to 4°C	TPH 418.1, PCBs 8080	36125 01	
" 015229-1	↓	1440	↓	↓	↓	TPH 418.1 (+ MS/MSDUP), PCBs 8080	02	MS/SD
015229-2	↓	1440	Glass	125 ml	↓	FREON 8240	03	
015233-1	WATER	1600	↓	1X 32 oz	H_2SO_4	TPH 418.1	04	
015233-2	↓	↓	↓	2X 32 oz	ICE to 4°C	PCBs 8080	05	
015233-3	↓	↓	↓	3X 40 ml	HCl	FREON 8240	06	
015233-4	↓	↓	↓	1X 40 ml	HCl	8240	07	
015235-1	SOIL	06/10/94 0920	Sleeve	300 ml	ICE to 4°C	TPH 418.1	08	
015237-1	↓	0955	↓	300 ml	↓	TPH 418.1, PCBs 8080	09	
015237-2	↓	0955	Glass	1X 125 ml	↓	FREON 8240	10	
015238-1	↓	1010	Sleeve	300 ml	↓	TPH 418.1, PCBs 8080	11	

Possible Hazard Identification
☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Radiological

*Reference attached radiological screening for specific contact readings.

Turnaround Time
☒ Normal ☐ Rush _____ Required Report Date _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab Archive Until _____

Special Instructions/QC Requirements: PLEASE LIST AS SEPARATE REPORT!
~~ANALYZE EXTRA VOLUME FOR MATRIX SPIKE AND MATRIX SPIKE DUPLICATE~~ PJS
PLEASE FAX RESULTS TO PAULA SLAVIN 505-848-0417
PLEASE LIST AS SEPARATE REPORT

	Org.	Date	Time
1. Relinquished by	7582	06/10/94	1205
1. Received by	SMO-7576	6/10/94	1205
2. Relinquished by	SMO-7576	6/10/94	1400
2. Received by		6/11/94	0813
3. Relinquished by			
3. Received by			
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

WHITE - To Accompany Samples, Laboratory Copy BLUE - To Accompany Samples, Return to SMO YELLOW - SMO Suspense Copy PINK - Field Copy

Sandia National Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)

No: 00158

Project Name: TA-III/A - SITE 37 Project/Task Manager: CHRIS AAS/PAULA SLAVIN Case Number: 3617.300

Sample Number	Sample Type	Date/Time Collected	Container Type	Sample Volume	Preservative	Requested Testing Program	QC	Lab Sample Number	Condition on Receipt
SNL/NM 015238 - 2	SOIL	06/10/94 1010	Glass	1X125ml	ICE 0°/C	FREON 8240	N	36125-12	
015239 - 1	↓	1020	Sleeve	1X300ml	↓	TPH 418.1/PCB 8080	↓	13	
015240 - 1	↓	1035	↓	↓	↓	TPH 418.1	↓	14	
015241 - 1	↓	1050	↓	↓	↓	TPH 418.1	↓	15	

White-To Accompany Samples, Laboratory Copy *Blue-To Accompany Samples, Return to SMO* *Pink-Field/Puchasing Copy* *Rev 0 10/92*

00000

30150.20.04 P2

RMAL Industrial Sample Checklist **Revision 6.0 January 24, 1994**

Project #: 36125 Date/Time Received: 6/11/94 08:30

Company Name & Sampling Site: SANDIA

*Cooler #(s): _____ _____ _____ _____ * Place copy of airbill inside all non-RMAL coolers. Describe here.

Temperatures: 3.4°C _____ _____ _____

UNPACKING & LABELING CHECK POINTS:	Y	N	INITIALS
1. Radiation Checked; (record reading if > 0.5 mR/hr):		✓	JF
2. Cooler seals Intact:	✓		
3. Chain of Custody Present:	✓		
4. Bottles broken or leaking (comment if Y): **-photograph broken bottles-**		✓	
5. Containers labeled (comment if N):	✓		
6. Chain of Custody includes "received by" and "relinquished by" signatures, dates, and times:	✓		
7. CoC agrees with bottle count (comment if N):	✓		
8. CoC agrees with labels (comment if N):	✓		
9. VOA samples filled completely (comment if N):	✓		
10. Are VOA samples preserved? (Check for bottle labels)	✓		
11. Sediment present in "D" bottles:	NA		
12. Are analyses with short holding times requested?			
13. Is extra sample volume provided for Matrix Spike and/or matrix replicates?		✓	
14. Multi phase samples present (comment if Y): **-photograph multiphase samples-**	NA		
15. Clear picture taken, labeled, and stapled to project folder?	✓		JF

Comments: include action taken to resolve discrepancies/problems. Include a hard copy of VAX mail or extra paper if more space is needed.

_____

_____

_____

_____ Initials: _____

Rocky Mountain
Analytical Laboratory

Enseco

RECEIVED
JUL 14 1994
SNL/SMO

July 13, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for eleven soil samples and four aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on June 11, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #036125

DATA REVIEWED
By: MS Garcia Date: 7-20-94
Checked: _____
Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 036125

JULY 13, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 11, 1994, Enseco-Rocky Mountain Analytical Laboratory received eleven soil samples and four aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The Method 8080 QC lot 15 JUN 94-N1 has the precision measurement for aroclor 1254 exceeding control limits. The matrix spike/matrix spike duplicate samples analyzed with the batch (RMAL samples 036125-0005-MS and -0005-SD) were within acceptable limits. Because no target compounds were detected in the sample, the data were deemed acceptable and are reported.

Wet Chemistry Data Review

Standard analytical protocols were followed in the wet chemistry analyses

of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036125-0001-SA	SNL/NM015226-1	SOIL	09 JUN 94	11:25	11 JUN 94
036125-0002-SA	SNL/NM015229-1	SOIL	09 JUN 94	14:40	11 JUN 94
036125-0002-MS	SNL/NM015229-1	SOIL	09 JUN 94	14:40	11 JUN 94
036125-0002-SD	SNL/NM015229-1	SOIL	09 JUN 94	14:40	11 JUN 94
036125-0003-SA	SNL/NM015229-2	SOIL	09 JUN 94	14:40	11 JUN 94
036125-0004-SA	SNL/NM015233-1	AQUEOUS	09 JUN 94	16:00	11 JUN 94
036125-0005-SA	SNL/NM015233-2	AQUEOUS	09 JUN 94	16:00	11 JUN 94
036125-0006-SA	SNL/NM015233-3	AQUEOUS	09 JUN 94	16:00	11 JUN 94
036125-0007-TB	SNL/NM015233-4	AQUEOUS	09 JUN 94	16:00	11 JUN 94
036125-0008-SA	SNL/NM015235-1	SOIL	10 JUN 94	09:20	11 JUN 94
036125-0009-SA	SNL/NM015237-1	SOIL	10 JUN 94	09:55	11 JUN 94
036125-0010-SA	SNL/NM015237-2	SOIL	10 JUN 94	09:55	11 JUN 94
036125-0011-SA	SNL/NM015238-1	SOIL	10 JUN 94	10:10	11 JUN 94
036125-0012-SA	SNL/NM015238-2	SOIL	10 JUN 94	10:10	11 JUN 94
036125-0013-SA	SNL/NM015239-1	SOIL	10 JUN 94	10:20	11 JUN 94
036125-0014-SA	SNL/NM015240-1	SOIL	10 JUN 94	10:35	11 JUN 94
036125-0015-SA	SNL/NM015241-1	SOIL	10 JUN 94	10:50	11 JUN 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036125	Group Code	Analysis Description	Custom Test?
0001 - 0002, 0009 , 0011, 0013	A	PCBs	N
		Prep - PCBs by GC	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0003 , 0010, 0012	B	Volatile Organics	N
		Target Compound List (TCL)	N
		GC Screen For Low Level Soils	N
0004	C	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0005	D	PCBs	N
		Prep - PCB by GC	N
0006 - 0007	E	Volatile Organics	N
		Target Compound List (TCL)	N
		Screen - Volatile Organics	N
0008 , 0014, 0015	F	Total Petroleum Hydrocarbons (TPH), IR	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015229-2
Lab ID: 036125-0003-SA
Matrix: SOIL Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 18 JUN 94 Analyzed: 18 JUN 94

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	6.3	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	4.8	ug/kg	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	2.1	ug/kg	5.0	J
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	1.9	ug/kg	5.0	J
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	
Dichlorodifluoromethane	ND	ug/kg	20	
Trichlorofluoromethane	ND	ug/kg	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/kg	10	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015229-2
Lab ID: 036125-0003-SA
Matrix: SOIL Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 18 JUN 94 Analyzed: 18 JUN 94

Surrogate	Recovery	
Toluene-d8	104	%
4-Bromofluorobenzene	98	%
1,2-Dichloroethane-d4	105	%

Note B : Compound is also detected in the blank.

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015233-3
Lab ID: 036125-0006-SA
Matrix: AQUEOUS Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 22 JUN 94 Analyzed: 22 JUN 94

Parameter	Result	Units	Reporting Limit	
Acetone	ND	ug/L	10	
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
1,2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	ND	ug/L	10	
Methylene chloride	2.6	ug/L	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	
Dichlorodifluoromethane	ND	ug/L	20	
Trichlorofluoromethane	ND	ug/L	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	10	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015233-3
Lab ID: 036125-0006-SA
Matrix: AQUEOUS Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 22 JUN 94 Analyzed: 22 JUN 94

Surrogate	Recovery	
Toluene-d8	100	%
4-Bromofluorobenzene	100	%
1,2-Dichloroethane-d4	96	%

Note B : Compound is also detected in the blank.

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015233-4
Lab ID: 036125-0007-TB
Matrix: AQUEOUS Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 22 JUN 94 Analyzed: 22 JUN 94

Parameter	Result	Units	Reporting Limit	
Acetone	3.5	ug/L	10	J
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
1,2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	ND	ug/L	10	
Methylene chloride	3.8	ug/L	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	
Dichlorodifluoromethane	ND	ug/L	20	
Trichlorofluoromethane	ND	ug/L	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	10	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015233-4
Lab ID: 036125-0007-TB
Matrix: AQUEOUS Sampled: 09 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 22 JUN 94 Analyzed: 22 JUN 94

Surrogate	Recovery	
Toluene-d8	102	%
4-Bromofluorobenzene	104	%
1,2-Dichloroethane-d4	99	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015237-2
Lab ID: 036125-0010-SA
Matrix: SOIL Sampled: 10 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 20 JUN 94 Analyzed: 20 JUN 94

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	8.0	ug/kg	10	J
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	4.5	ug/kg	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	
Dichlorodifluoromethane	ND	ug/kg	20	
Trichlorofluoromethane	ND	ug/kg	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/kg	10	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015237-2
Lab ID: 036125-0010-SA
Matrix: SOIL Sampled: 10 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 20 JUN 94 Analyzed: 20 JUN 94

Surrogate	Recovery	
Toluene-d8	101	%
4-Bromofluorobenzene	98	%
1,2-Dichloroethane-d4	98	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015238-2
Lab ID: 036125-0012-SA
Matrix: SOIL Sampled: 10 JUN 94 Received: 11 JUN 94
Authorized: 11 JUN 94 Prepared: 20 JUN 94 Analyzed: 20 JUN 94

Parameter	Result	Wet wt. Units	Reporting Limit	
Acetone	9.9	ug/kg	10	J
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	4.9	ug/kg	5.0	BJ
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	
Dichlorodifluoromethane	ND	ug/kg	20	
Trichlorofluoromethane	ND	ug/kg	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/kg	10	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones Approved By: Audrey Verniero

Enseco

Volatile Organics
Target Compound List (TCL)
Method 8240

Client Name: Sandia National Laboratory
Client ID: SNL/NM015238-2
Lab ID: 036125-0012-SA
Matrix: SOIL
Authorized: 11 JUN 94

Sampled: 10 JUN 94
Prepared: 20 JUN 94

Received: 11 JUN 94
Analyzed: 20 JUN 94

Surrogate	Recovery	
Toluene-d8	101	%
4-Bromofluorobenzene	100	%
1,2-Dichloroethane-d4	101	%

Note J : Result is detected below the reporting limit or is an estimated concentration.

Note B : Compound is also detected in the blank.

ND = Not detected
NA = Not applicable

Reported By: Sandra Jones

Approved By: Audrey Verniero

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Enseco

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036125-0003-SA	SOIL	8240-SL	18 JUN 94-D	18 JUN 94-D
036125-0006-SA	AQUEOUS	624-A	22 JUN 94-D	22 JUN 94-D
036125-0007-TB	AQUEOUS	624-A	22 JUN 94-D	22 JUN 94-D
036125-0010-SA	SOIL	8240-SL	20 JUN 94-D	20 JUN 94-D
036125-0012-SA	SOIL	8240-SL	20 JUN 94-D	20 JUN 94-D

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8240-SL Matrix: SOIL QC Lot: 18 JUN 94-D Concentration Units: ug/kg								
1,1-Dichloroethene	50.0	54.1	61.0	57.6	115	65-137	12	20
Trichloroethene	50.0	54.2	56.1	55.2	110	83-118	3.4	12
Benzene	50.0	52.7	54.0	53.4	107	80-119	2.4	10
Toluene	50.0	58.9	55.4	57.2	114	80-119	6.1	12
Chlorobenzene	50.0	51.8	52.4	52.1	104	80-119	1.2	12
Category: 624-A Matrix: AQUEOUS QC Lot: 22 JUN 94-D Concentration Units: ug/L								
1,1-Dichloroethene	50.0	53.1	48.3	50.7	101	74-124	9.5	17
Trichloroethene	50.0	51.0	48.9	50.0	100	77-119	4.2	13
Benzene	50.0	50.1	48.2	49.2	98	80-117	3.9	12
Toluene	50.0	49.6	47.7	48.6	97	80-119	3.9	1[illegible]
Chlorobenzene	50.0	49.3	47.9	48.6	97	81-120	2.9	14
Category: 8240-SL Matrix: SOIL QC Lot: 20 JUN 94-D Concentration Units: ug/kg								
1,1-Dichloroethene	50.0	48.2	45.1	46.6	93	65-137	6.6	20
Trichloroethene	50.0	46.0	49.7	47.8	96	83-118	7.7	12
Benzene	50.0	46.6	49.7	48.2	96	80-119	6.4	10
Toluene	50.0	46.3	48.3	47.3	95	80-119	4.2	12
Chlorobenzene	50.0	47.1	47.9	47.5	95	80-119	1.7	12

Calculations are performed before rounding to avoid round-off errors in calculated results.

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SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8240-SL				
Matrix: SOIL				
QC Lot: 18 JUN 94-D QC Run: 18 JUN 94-D				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	50.0	51.3	103	82-112
4-Bromofluorobenzene	50.0	50.7	101	84-109
Toluene-d8	50.0	50.2	100	90-112
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 22 JUN 94-D QC Run: 22 JUN 94-D				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	47.5	95	85-111
4-Bromofluorobenzene	50.0	49.9	100	86-110
Toluene-d8	50.0	50.2	100	91-110
Category: 8240-SL				
Matrix: SOIL				
QC Lot: 20 JUN 94-D QC Run: 20 JUN 94-D				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	50.0	48.9	98	82-112
4-Bromofluorobenzene	50.0	51.3	103	84-109
Toluene-d8	50.0	51.1	102	90-112

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Volatile Organics by GC/MS

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 18 JUN 94-D QC Run: 18 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	1.8	ug/kg	10	J
Methylene chloride	2.0	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	
Dichlorodifluoromethane	ND	ug/kg	20	
Trichlorofluoromethane	ND	ug/kg	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/kg	10	

J = Result is detected below the reporting limit or is an estimated concentration.

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CP-TCL-AP
Matrix: AQUEOUS
QC Lot: 22 JUN 94-D QC Run: 22 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/L	10	
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
1,2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	3.7	ug/L	10	J
Methylene chloride	2.8	ug/L	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	
Dichlorodifluoromethane	ND	ug/L	20	
Trichlorofluoromethane	ND	ug/L	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	10	

J = Result is detected below the reporting limit or is an estimated concentration.

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 20 JUN 94-D QC Run: 20 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	ND	ug/kg	10	
Methylene chloride	3.0	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	
Dichlorodifluoromethane	ND	ug/kg	20	
Trichlorofluoromethane	ND	ug/kg	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/kg	10	

J = Result is detected below the reporting limit or is an estimated concentration.

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QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036125-0001-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0002-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0002-MS	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0002-SD	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0005-SA	AQUEOUS	PCB-A	15 JUN 94-N1	15 JUN 94-N1
036125-0009-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0011-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1
036125-0013-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1

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DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PCB-S Matrix: SOIL QC Lot: 15 JUN 94-N1 Concentration Units: ug/kg								
Aroclor 1254	33.3	28.1	30.8	29.4	88	49-130	9.2	20
Category: PCB-A Matrix: AQUEOUS QC Lot: 15 JUN 94-N1 Concentration Units: ug/L								
Aroclor 1254	1.00	0.638	0.796	0.717	72	46-130	22	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-SAN-S			
Matrix: SOIL			
QC Lot: 15 JUN 94-N1 QC Run: 15 JUN 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33
Test: 8080-PCB-SAN-A			
Matrix: AQUEOUS			
QC Lot: 15 JUN 94-N1 QC Run: 15 JUN 94-N1			
Aroclor 1016	ND	ug/L	1.0
Aroclor 1221	ND	ug/L	1.0
Aroclor 1232	ND	ug/L	1.0
Aroclor 1242	ND	ug/L	1.0
Aroclor 1248	ND	ug/L	1.0
Aroclor 1254	ND	ug/L	1.0
Aroclor 1260	ND	ug/L	1.0

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Semivolatile Organics by GC

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8080-PCB-SAN-S	036125-0002-SD	15 JUN 94-N1
MATRIX SPIKE	8080-PCB-SAN-S	036125-0002-MS	15 JUN 94-N1

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Semivolatile Organics by GC

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: 8080-PCB-SAN-S								
Matrix SOIL								
Sample: 036125-0002								
Units: ug/kg								
Aroclor 1254	ND	32	36	33	33	95	109	13

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

QC LOT ASSIGNMENT REPORT - MS QC
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)	MS QC Run Number (SA,MS,SD,DU)
036125-0001-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0002-MS	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0002-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0002-SD	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0005-SA	AQUEOUS	PCB-A	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0009-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0011-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1
036125-0013-SA	SOIL	PCB-S	15 JUN 94-N1	15 JUN 94-N1	15 JUN 94-N1

Enseco

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Semivolatile Organics by GC
Project: 036125

Category: PCB-S PCBs
Matrix: SOIL
Sample: 036125-0002
QC Lot: 15 JUN 94-N1 MS Run: 15 JUN 94-N1
Units: ug/kg Units Qualifier: Wet wt.

Analyte	Concentration: Sample Result	MS Result	MSD Result	Amount Spiked MS	MSD	%Recovery MS	MSD	%RPD MS-MSD
Aroclor 1254	ND	32	36	33	33	95	109	13

Category: PCB-A PCBs
Matrix: AQUEOUS
Sample: 036125-0005
QC Lot: 15 JUN 94-N1 MS Run: 15 JUN 94-N1
Units: ug/L Units Qualifier:

Analyte	Concentration: Sample Result	MS Result	MSD Result	Amount Spiked MS	MSD	%Recovery MS	MSD	%RPD MS-MSD
oclor 1254	ND	0.94	1.0	1.0	1.0	94	102	8.4

ND = Not Detected

(ılations are performed before rounding to avoid round-off errors in calculated results.

Enseco

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036125-0001-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0002-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0002-MS	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0002-SD	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0004-SA	AQUEOUS	TPH-IR-A	05 JUL 94-9D	05 JUL 94-9D
036125-0008-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0009-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0011-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0013-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0014-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D
036125-0015-SA	SOIL	TPH-IR-S	23 JUN 94-9D	23 JUN 94-9D

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 23 JUN 94-9D Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1450	1360	1350	1360	94	75-123	1.1	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 05 JUL 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	18.6	18.6	18.6	93	64-111	0.0	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S Matrix: SOIL QC Lot: 23 JUN 94-9D QC Run: 23 JUN 94-9D			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A Matrix: AQUEOUS QC Lot: 05 JUL 94-9D QC Run: 05 JUL 94-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0
Test: TPH-IR-S Matrix: SOIL QC Lot: 23 JUN 94-9D QC Run: 23 JUN 94-9D			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0

Enseco

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	036125-0002-SD	23 JUN 94-9D
MATRIX SPIKE	TPH-IR-S	036125-0002-MS	23 JUN 94-9D

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: TPH-IR-S								
Matrix SOIL								
Sample: 036125-0002								
Units: mg/kg								
Total Petroleum Hydrocarbons	ND	242	231	250	250	97	92	5

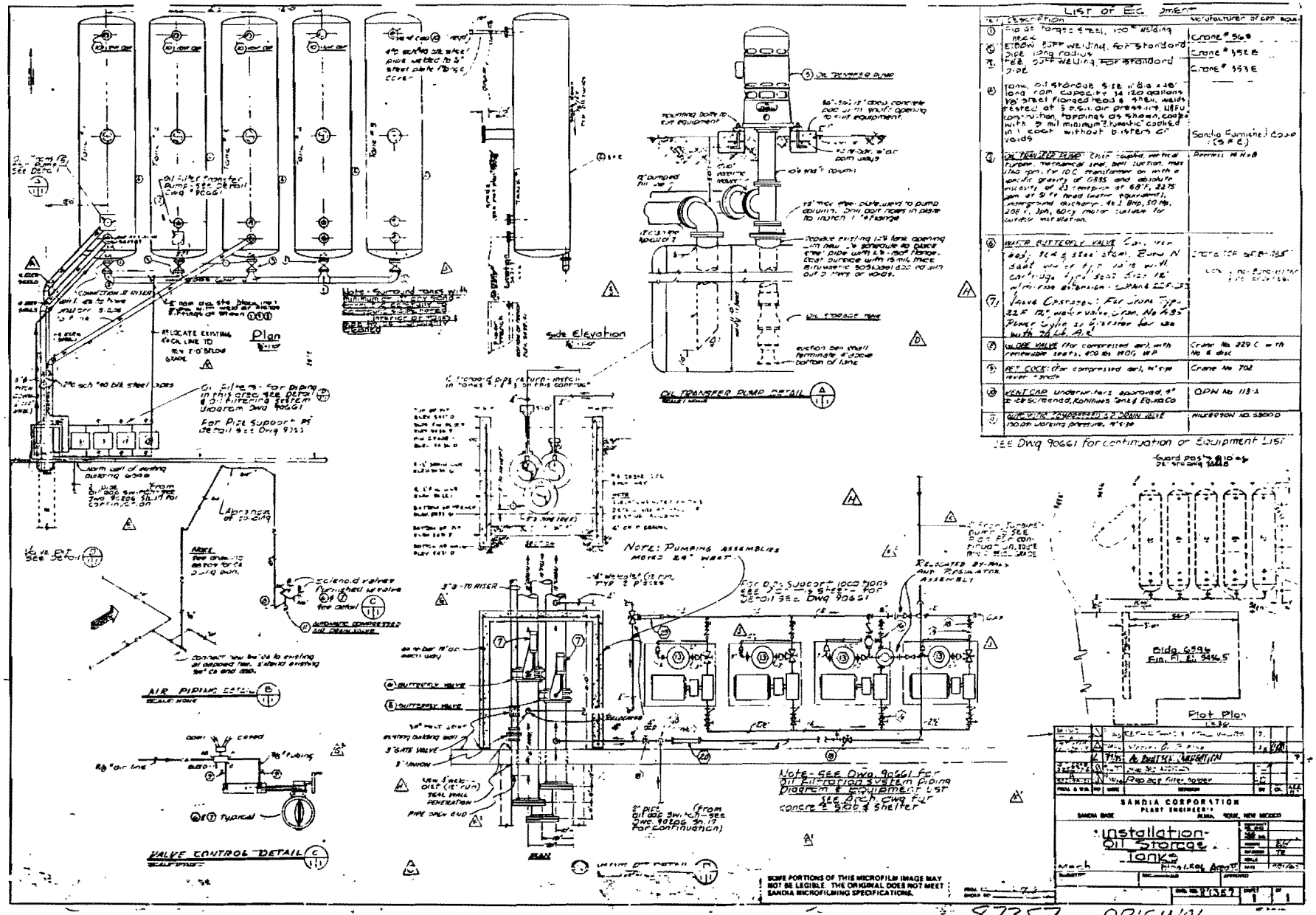
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

Attachment 37-5

Engineered drawing of piping system for USTs 6597-2 through 6597-8

US 5 659702



SOME PORTIONS OF THIS MICROFILM IMAGE MAY NOT BE LEGIBLE. THE ORIGINAL DOES NOT MEET SANDIA MICROFILMING SPECIFICATIONS.

Attachment 78-1

Laboratory Analytical Results for ER Site 78

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Arsenic		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Barium	0.042		mg/L	0.01	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Cadmium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Chromium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Lead	0.0065		mg/L	0.003	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Selenium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-012	SNL0160144	0	08-SEP-94	WATER	Silver		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Aluminum	3740		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Antimony	4.8	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Arsenic	2.8		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Barium	68.2		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Calcium	29400		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Chromium	4.5		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Cobalt	2.4		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Copper	3.1		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Iron	5030		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Lead	4.6		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Magnesium	2010		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Manganese	95.2		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Nickel	3.4	J	mg/Kg	4	6010	QUANTERRA	11.5
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Potassium	833		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Vanadium	9.7		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-10A-1	SNL0160024	1	22-JUL-94	SOIL	Zinc	14.5		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Aluminum	9780		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Antimony	3.9	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Arsenic	3		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Barium	118		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Beryllium	0.5		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Calcium	11800		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Chromium	9.7		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Cobalt	4.2		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Copper	8.2		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Iron	11000		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Lead	7.1		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Magnesium	3450		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Manganese	174		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Nickel	8		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Potassium	1770		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Sodium	732		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Vanadium	20		mg/Kg	1	6010	QUANTERRA	20.4

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-10B-5	SNL0160030	5	22-JUL-94	SOIL	Zinc	25.2		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Aluminum	6590		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Antimony	2.4	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Arsenic	2.4		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Barium	89.2		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Beryllium	0.35		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Calcium	26800		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Chromium	6.5		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Cobalt	2.8		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Copper	4.6		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Iron	7440		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Lead	8.5		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Magnesium	2360		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Manganese	120		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Nickel	5.6		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Potassium	1440		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Vanadium	14.1		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-11A-1	SNL0160036	1	22-JUL-94	SOIL	Zinc	19.2		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Aluminum	5750		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Arsenic	2.1		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Barium	84.1		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Beryllium	0.31		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Calcium	16300		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Chromium	5.9		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Cobalt	2.9		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Copper	5		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Iron	7280		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Lead	5.7		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Magnesium	2370		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Manganese	126		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Nickel	5		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Potassium	1520		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Sodium	544		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Vanadium	12.3		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-11B-5	SNL0160042	5	22-JUL-94	SOIL	Zinc	18		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Aluminum	3760		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Arsenic	3.7		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Barium	87		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Calcium	44800		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Chromium	3.7		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Cobalt	2		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Copper	2.7		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Iron	5710		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Lead	4.8		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Magnesium	2230		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Manganese	94		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Nickel	3.4	J	mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Potassium	731		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Vanadium	11.5		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-12A-1	SNL0160048	1	22-JUL-94	SOIL	Zinc	15.4		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Aluminum	3590		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Arsenic	2.2		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Barium	56.9		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Calcium	18300		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Chromium	3.5		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Cobalt	1.9		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Copper	2.7		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Iron	4650		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Lead	5.2		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Magnesium	1820		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Manganese	74.4		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Nickel	3	J	mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Potassium	756		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Sodium	253	J	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Vanadium	9.2		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-12B-5	SNL0160054	5	22-JUL-94	SOIL	Zinc	11.5		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Aluminum	4880		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Arsenic	2.4		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Barium	82.4		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Beryllium	0.27		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Calcium	33400		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Chromium	4.8		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Cobalt	2.6		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Copper	3.8		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Iron	7020		mg/Kg	10	6010	QUANTERRA	na

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Lead	5.2		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Magnesium	2410		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Manganese	116		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Nickel	4.5		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Potassium	1040		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Vanadium	12.6		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-13A-1	SNL0160060	1	22-JUL-94	SOIL	Zinc	16.9		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Aluminum	6230		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Antimony	4	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Arsenic	2.8		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Barium	141		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Beryllium	0.35		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Calcium	44700		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Chromium	6		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Cobalt	3.3		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Copper	6		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Iron	7970		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Lead	6		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Magnesium	2880		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Manganese	128		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Nickel	5.8		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Potassium	1320		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Selenium	0.69		mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Sodium	460	J	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	8010	QUANTERRA	na
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Vanadium	15.9		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-13B-4.5	SNL0160066	4.5	22-JUL-94	SOIL	Zinc	19.3		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Aluminum	3340		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Arsenic	2.7		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Barium	94.7		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Calcium	38100		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Chromium	2.8		mg/Kg	1	6010	QUANTERRA	21.6
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Cobalt	2.3		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Copper	3.2		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Iron	5190		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Lead	4.5		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Magnesium	2020		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Manganese	99.2		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Nickel	3.2	J	mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Potassium	723		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Vanadium	9.8		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-14A-1	SNL0160072	1	22-JUL-94	SOIL	Zinc	13.6		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Aluminum	5000		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Antimony	3.1	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Arsenic	4		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Barium	108		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Beryllium	0.27		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Calcium	49600		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Chromium	5.1		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Cobalt	2.5		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Copper	3.9		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Iron	6660		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Lead	5.5		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Magnesium	2640		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Manganese	124		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Nickel	5		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Potassium	1020		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Sodium	347	J	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Vanadium	12.7		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-14B-5	SNL0160078	5	22-JUL-94	SOIL	Zinc	16.7		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Aluminum	9230		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Antimony	2.9	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Arsenic	3.4		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Barium	109		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Beryllium	0.5		mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Calcium	60400		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Chromium	7.8		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Cobalt	4		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Copper	8.8		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Iron	9420		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Lead	6.6		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Magnesium	2980		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Manganese	147		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Nickel	7.9		mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Potassium	1870		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Vanadium	18.1		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-15A-1	SNL0160084	1	22-JUL-94	SOIL	Zinc	24.9		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Aluminum	3290		mg/Kg	10	6010	QUANTERRA	na

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Antimony	2.5	J	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Arsenic	2.8		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Barium	74.2		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Calcium	74200		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Chromium	3.2		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Cobalt	2.1		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Copper	2.6		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Iron	4620		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Lead	6.8		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Magnesium	2290		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Manganese	157		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Nickel	3.3	J	mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Potassium	580		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Selenium	0.76		mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Sodium	97.2	J	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Vanadium	99.1		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-15B-5	SNL0160090	5	22-JUL-94	SOIL	Zinc	14.6		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Aluminum	3260		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	3.9
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Arsenic	1.9		mg/Kg	1	6010	QUANTERRA	4.4
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Barium	80.1		mg/Kg	1	6010	QUANTERRA	214
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	0.65
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Calcium	53000		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Chromium	2.9		mg/Kg	1	6010	QUANTERRA	21.8
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Cobalt	1.8		mg/Kg	1	6010	QUANTERRA	5.2
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Copper	3.5		mg/Kg	2	6010	QUANTERRA	15.4
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Iron	5110		mg/Kg	10	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Lead	4.8		mg/Kg	0.3	6010	QUANTERRA	21.4
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Magnesium	2070		mg/Kg	20	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Manganese	96.7		mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Nickel	2.9	J	mg/Kg	4	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Potassium	671		mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	1
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	5.6
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	na
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Vanadium	9.7		mg/Kg	1	6010	QUANTERRA	20.4
TA3/5-78-15B-5-D	SNL0160096	5	22-JUL-94	SOIL	Zinc	17.2		mg/Kg	2	6010	QUANTERRA	62
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Aluminum	5930		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Aluminum	6060		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Aluminum	5590		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Arsenic	2.4		mg/Kg	1	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Arsenic	2.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Arsenic	2.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Barium	85.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Barium	102		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Barium	92.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Beryllium	0.38		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Beryllium	0.36		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Beryllium	0.38		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Calcium	12300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Calcium	13300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Calcium	12900	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Chromium	6.5		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Chromium	6.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Chromium	6.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Cobalt	3.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Cobalt	3.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Cobalt	3.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Copper	5.2		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Copper	5.4		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Copper	5.5		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Iron	9450		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Iron	9400		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Iron	9340		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Magnesium	2620		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Magnesium	2610		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Magnesium	2630		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Manganese	170		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Manganese	174		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Manganese	180		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Nickel	5.5		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Nickel	5		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Nickel	5.5		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Potassium	1410		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Potassium	1340		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Potassium	1480		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Sodium	162	J	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Sodium	75.1	J	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Sodium	162	J	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Thallium		U	mg/Kg	1.1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Thallium		U	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Thallium	0.47	J	mg/Kg	1.2	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Vanadium	19.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Vanadium	19.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Vanadium	18.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160253	0	14-OCT-94	SOIL	Zinc	23.3		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160245	0	14-OCT-94	SOIL	Zinc	27.4		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160249	0	14-OCT-94	SOIL	Zinc	26.1		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Aluminum		U	mg/L	0.1	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Antimony		U	mg/L	0.06	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Arsenic		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Arsenic		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Arsenic		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Barium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Barium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Barium	0.0049	J	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Beryllium		U	mg/L	0.002	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Cadmium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Cadmium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Cadmium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Calcium	0.42		mg/L	0.2	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Chromium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Chromium	0.007	BJ	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Chromium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Cobalt		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Copper		U	mg/L	0.02	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Iron	0.037	J	mg/L	0.1	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Lead		U	mg/L	0.003	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Lead	0.0039		mg/L	0.003	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Lead	0.0036	B	mg/L	0.003	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Magnesium		U	mg/L	0.2	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Manganese		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Nickel		U	mg/L	0.04	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Potassium	0.21	J	mg/L	5	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Selenium	0.0069		mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Selenium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Selenium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Silver		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160160	0	21-SEP-94	WATER	Silver		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160193	0	23-SEP-94	WATER	Silver		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Sodium	1.1	J	mg/L	5	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Thallium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Vanadium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-EB	SNL0160106	0	23-JUL-94	WATER	Zinc	0.03	B	mg/L	0.02	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Aluminum	6870		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Aluminum	5980		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Arsenic	3.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Arsenic	4.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Barium	145		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Barium	268		mg/Kg	1	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Beryllium	0.33	J	mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Beryllium	0.39		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Cadmium	0.66		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Calcium	32300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Calcium	35300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Chromium	6.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Chromium	9.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Cobalt	3.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Cobalt	2.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Copper	17.6		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Copper	25.2		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Iron	7710		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Iron	11900		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Magnesium	5610		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Magnesium	5470		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Manganese	113		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Manganese	132		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Nickel	5.9		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Nickel	7.2		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Potassium	1300		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Potassium	1490		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Silver	1.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Silver	1.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Thallium	0.77	J	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Thallium	0.71	J	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Vanadium	13.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Vanadium	14.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160222	0	10-OCT-94	SOIL	Zinc	110		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160230	0	10-OCT-94	SOIL	Zinc	88.7		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Aluminum	5500		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Arsenic	3.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Barium	146		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Beryllium	0.32		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Cadmium	1.1		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Calcium	49900		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Chromium	7.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Cobalt	2.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Copper	31.3		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Iron	12000		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Lead	57.4		mg/Kg	5	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Magnesium	6740		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Manganese	142		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Nickel	5.6		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Potassium	993		mg/Kg	500	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Silver	1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Vanadium	12.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA	SNL0160258	0	20-OCT-94	SOIL	Zinc	77.4		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Aluminum	6910		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Arsenic	4.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Barium	143		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Beryllium	0.39		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Cadmium	0.99		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Calcium	53300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Chromium	8.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Cobalt	3.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Copper	93.4		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Iron	9940		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Magnesium	3870		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Manganese	125		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Nickel	6.6		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Potassium	1320		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Selenium	0.84		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Silver	5.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Thallium		U	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Vanadium	15.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160238	0	10-OCT-94	SOIL	Zinc	165		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Aluminum	5170		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Antimony	10.9		mg/Kg	6	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Arsenic	3.8		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Barium	629		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Beryllium	0.9		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Cadmium	1.3		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Calcium	26400		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Chromium	15.6		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Cobalt		U	mg/Kg	5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Copper	160		mg/Kg	2.5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Iron	4450		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Lead	741		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Magnesium	31400		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Manganese	147		mg/Kg	1.5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Nickel	11.7		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Potassium	796		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Selenium		U	mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Silver	17.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Sodium	145		mg/Kg	100	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Vanadium	15.2		mg/Kg	5	6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160003	0	04-OCT-94	SOIL	Zinc	615		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Aluminum	7940		mg/Kg	10	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Arsenic	3.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Barium	96.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Beryllium	0.37		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Calcium	94900	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Chromium	6.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Cobalt	2.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Copper	12.3		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Iron	7250		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Lead	14.4		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Magnesium	3010		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Manganese	117		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Nickel	5.2		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Potassium	1820		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Selenium	2		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Vanadium	15.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-2	SNL0160117	0	29-AUG-94	SOIL	Zinc	25.7	B	mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Aluminum	7100		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Arsenic	3.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Barium	79.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Beryllium	0.38		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Calcium	29800	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Chromium	6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Cobalt	2.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Copper	20.8		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Iron	6810		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Lead	22.1		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Magnesium	6050		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Manganese	116		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Nickel	4.8		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Potassium	1520		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Silver		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Vanadium	14.5		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-3	SNL0160123	0	29-AUG-94	SOIL	Zinc	131	B	mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Aluminum	9530		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Antimony	8.9		mg/Kg	6	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Arsenic	5.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Barium	180		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Beryllium	0.51		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Cadmium	5.3		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Calcium	31000	B	mg/Kg	20	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Chromium	19.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Cobalt	4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Copper	177		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Iron	38500		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Lead	196		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Magnesium	4920		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Manganese	178		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Nickel	12.3		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Potassium	2160		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Selenium		U	mg/Kg	2	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Silver	10.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Sodium	72.5	J	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Vanadium	17.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-ST-4	SNL0160129	0	29-AUG-94	SOIL	Zinc	174	B	mg/Kg	2	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Aluminum	4780		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Arsenic	1.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Barium	53.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Beryllium	0.24		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Calcium	46100	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Chromium	122		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Cobalt	3.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Copper	8.9		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Iron	10600	B	mg/Kg	10	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Lead	6.9		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Magnesium	1820	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Manganese	119		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Nickel	145		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Potassium	1620		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Silver	0.37	J	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Sodium	299	J	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Vanadium	13		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-STI	SNL0160110	0	23-AUG-94	SOIL	Zinc	17.8		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Aluminum	8920		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Aluminum	7480		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Antimony	7.1		mg/Kg	6	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Antimony	6.2		mg/Kg	6	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Arsenic	3.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Barium	163		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Barium	251		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Beryllium	0.36		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Beryllium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Cadmium	0.58		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Calcium	29100	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Calcium	28900		mg/Kg	500	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Chromium	13.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Chromium	10.7		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Cobalt	2.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Cobalt		U	mg/Kg	5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Copper	79.3		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Copper	86		mg/Kg	2.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Iron	10700		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Iron	8100		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Lead	2030		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Magnesium	18700		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Magnesium	24200		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Manganese	146		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Manganese	167		mg/Kg	1.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Nickel	7.4		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Nickel	6.5		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Potassium	1320		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Potassium	1360		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Silver	1.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Silver	2.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Sodium	123		mg/Kg	100	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Thallium	0.44	J	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Vanadium	15.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Vanadium	15.9		mg/Kg	5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160206	0	10-OCT-94	SOIL	Zinc	343		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160011	0	10-OCT-94	SOIL	Zinc	331		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Aluminum	8330		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Arsenic	3.6		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Barium	200		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Beryllium	0.36		mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Cadmium	1.1		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Calcium	28300	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Chromium	12.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Cobalt	2.4		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Copper	233		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Iron	7300		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Magnesium	30500		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Manganese	206		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Nickel	6.2		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Potassium	1380		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Selenium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Silver	6.3		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Thallium		U	mg/Kg	1.2	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Vanadium	13.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160198	0	10-OCT-94	SOIL	Zinc	590		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Aluminum		U	mg/L	0.1	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Antimony		U	mg/L	0.06	6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Arsenic		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Barium	0.0024	J	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Beryllium		U	mg/L	0.002	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Cadmium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Calcium	0.73	B	mg/L	0.2	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Chromium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Cobalt		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Copper	0.0058	J	mg/L	0.02	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Iron	0.065	J	mg/L	0.1	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Lead		U	mg/L	0.003	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Magnesium	0.11	J	mg/L	0.2	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Manganese	0.011		mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Nickel		U	mg/L	0.04	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Potassium		U	mg/L	5	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Selenium		U	mg/L	0.005	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Silver		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Sodium		U	mg/L	5	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Thallium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Vanadium		U	mg/L	0.01	6010	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160216	0	10-OCT-94	WATER	Zinc		U	mg/L	0.02	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Aluminum	4220		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Antimony		U	mg/Kg	6	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Arsenic	3.9		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Barium	71.8		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Beryllium		U	mg/Kg	0.2	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Cadmium		U	mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Calcium	23400	B	mg/Kg	20	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Chromium	171		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Cobalt	2.2		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Copper	4.9		mg/Kg	2	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Iron	6020		mg/Kg	10	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Lead	7.2		mg/Kg	0.3	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Magnesium	2010		mg/Kg	20	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Manganese	90.7		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Nickel	6.1		mg/Kg	4	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Potassium	1100		mg/Kg	500	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Selenium	0.97		mg/Kg	0.5	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Silver	0.44	J	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Sodium		U	mg/Kg	500	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Thallium		U	mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Vanadium	11.1		mg/Kg	1	6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160136	0	08-SEP-94	SOIL	Zinc	19.6		mg/Kg	2	6010	QUANTERRA	
DECON WATER	022146-03		18-APR-95	AQUEOUS	Mercury	0.033		mg/L	0.0055	7470	QARV	
DECON WATER DRUMS	018306-17		29-NOV-94	AQUEOUS	Mercury		U	mg/L	0.0002	7470	QARV	
N145 E12	018314-16		19-DEC-94	SOIL	Mercury		U	mg/L	0.0002	7470	QARV	
N145 E120ST	018293-16		19-DEC-94	SOIL	Mercury		U	mg/L	0.0002	7470	QARV	
TA3/5-78-012	SNL0160145	0	08-SEP-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	
TA3/5-78-459-462,487-491,493	SNL0160276	0	29-NOV-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	
TA3/5-78-EB	SNL0160105	0	23-JUL-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	
TA3/5-78-EB	SNL0160161	0	21-SEP-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-EB	SNL0160194	0	23-SEP-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	
TA3/5-78-EB	020220-05	0	08-MAR-95	AQUEOUS	Mercury		U	mg/L	0.0002	7470	QARV	
TA3/5-78-FB	020221-05	0	08-MAR-95	AQUEOUS	Mercury		U	mg/L	0.0002	7470	QARV	
TA3/5-78-SE QUAD RMMA	SNL0160005	0	04-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7470	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160014	0	10-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7470	QUANTERRA	
TA3/5-78-SW QUAD-EB	SNL0160217	0	10-OCT-94	WATER	Mercury		U	mg/L	0.0002	7470	QUANTERRA	
TA3/5-78-10A-1	SNL0160025	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-10B-5	SNL0160031	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-11A-1	SNL0160037	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-11B-5	SNL0160043	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-12A-1	SNL0160049	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-12B-5	SNL0160055	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-13A-1	SNL0160061	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-13B-4.5	SNL0160067	4.5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-14A-1	SNL0160073	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-14B-5	SNL0160079	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-15A-1	SNL0160085	1	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-15B-5	SNL0160091	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-15B-5-D	SNL0160097	5	22-JUL-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160254	0	14-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160246	0	14-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-CLEAN FILL OFF SITE	SNL0160250	0	14-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160224	0	10-OCT-94	SOIL	Mercury	0.069	J	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160232	0	10-OCT-94	SOIL	Mercury	0.069	J	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-RMMA	SNL0160259	0	20-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160240	0	10-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-ST-2	SNL0160118	0	29-AUG-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-ST-3	SNL0160124	0	29-AUG-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-ST-4	SNL0160130	0	29-AUG-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-STI	SNL0160111	0	23-AUG-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160208	0	10-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160200	0	10-OCT-94	SOIL	Mercury		U	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160137	0	08-SEP-94	SOIL	Mercury	0.075	J	mg/Kg	0.1	7471	QUANTERRA	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Arsenic, leachate	0.24	B	mg/L	0.5	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Barium, leachate	1.7		mg/L	0.2	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Lead, leachate	0.056	B	mg/L	0.1	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-01	SNL0160285	0	06-JUL-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Arsenic, leachate	0.4	B	mg/L	0.5	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Barium, leachate	0.68		mg/L	0.2	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Chromium, leachate	0.012	B	mg/L	0.02	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Lead, leachate	0.064	B	mg/L	0.1	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160290	0	06-JUL-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Arsenic, leachate	1.1		mg/L	0.5	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Barium, leachate	0.8		mg/L	0.2	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	ITAS-OAK RIDGE	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Chromium, leachate	0.025		mg/L	0.02	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Lead, leachate	0.074	B	mg/L	0.1	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160296	0	06-JUL-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Arsenic, leachate	1.1		mg/L	0.5	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Barium, leachate	0.71		mg/L	0.2	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Chromium, leachate	0.032		mg/L	0.02	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Lead, leachate	0.084	B	mg/L	0.1	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160301	0	06-JUL-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	ITAS-OAK RIDGE	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Barium, leachate	1.2		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Chromium, leachate	0.076		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GCM	SNL0160155	0	21-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Barium, leachate	1.2		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Chromium, leachate	0.072		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GCM-D	SNL0160165	0	21-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Barium, leachate	1.8		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Chromium, leachate	0.08		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160170	0	21-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Barium, leachate	0.63	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Barium, leachate	0.68	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Barium, leachate	0.62	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Barium, leachate	0.64	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Selenium, leachate	0.14	J	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160181	0	23-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160184	0	23-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160190	0	23-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160187	0	23-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Barium, leachate	29.5	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Barium, leachate	4.1	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Cadmiun, leachate	0.017		mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Lead, leachate	0.48		mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Lead, leachate	1.3		mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Selenium, leachate	0.16	J	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160221	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160229	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Barium, leachate	1.4	B	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160237	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Arsenic, leachate	0.72		mg/L	0.5	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Barium, leachate	1.8		mg/L	0.2	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.02	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	QUAN SL	
TA3/5-78-SE QUAD RMMA	SNL0160002	0	04-OCT-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	QUAN SL	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Barium, leachate	1.1		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Chromium, leachate	0.059		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Selenium, leachate		U	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160175	0	21-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Arsenic, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Arsenic, leachate	0.8		mg/L	0.5	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Barium, leachate	1.8	B	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Barium, leachate	5.6		mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	QUANTERRA	

ER 78 RFI and VCM Analytical Results for Metals

ER Sample ID	Sample Number	Sample Depth (Feet)	Sample Date	Material Description	Analyte	Amount Detected	QC Flag	Units	Detection Limit	Analytical Method	Laboratory	MBLs
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Cadmiun, leachate	0.005		mg/L	0.005	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Chromium, leachate	0.85		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Lead, leachate	1.3		mg/L	0.05	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Lead, leachate	81		mg/L	0.5	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.25	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160205	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160012	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Arsenic, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Barium, leachate	1.2	B	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Cadmiun, leachate		U	mg/L	0.005	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Chromium, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Lead, leachate		U	mg/L	0.05	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Selenium, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160197	0	10-OCT-94	SOIL	Silver, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Arsenic, leachate		U	mg/L	0.2	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Barium, leachate	1.3		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Cadmiun, leachate		U	mg/L	0.01	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Chromium, leachate	2.4		mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Lead, leachate		U	mg/L	0.1	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Selenium, leachate	0.22	J	mg/L	0.4	TCLP6010	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160149	0	20-SEP-94	SOIL	Silver, leachate		U	mg/L	0.02	TCLP6010	QUANTERRA	
TA3/5-78-01	SNL0160286	0	06-JUL-94	SOIL	Mercury, leachate		U	mg/L	0.002	TCLP7470	ITAS-OAK RIDGE	
TA3/5-78-02	SNL0160291	0	06-JUL-94	SOIL	Mercury, leachate		U	mg/L	0.002	TCLP7470	ITAS-OAK RIDGE	
TA3/5-78-03	SNL0160297	0	06-JUL-94	SOIL	Mercury, leachate	0.0011	B	mg/L	0.002	TCLP7470	ITAS-OAK RIDGE	
TA3/5-78-03D	SNL0160302	0	06-JUL-94	SOIL	Mercury, leachate	0.0011	B	mg/L	0.002	TCLP7470	ITAS-OAK RIDGE	
TA3/5-78-GCM	SNL0160156	0	21-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GCM-D	SNL0160166	0	21-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GCM-MS	SNL0160171	0	21-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160191	0	23-SEP-94	SOIL	Mercury, leachate	0.00012	J	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160182	0	23-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160188	0	23-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-GEO-PROBE	SNL0160185	0	23-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160223	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-NE QUAD RMMA	SNL0160231	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-RMMA-NON SUS	SNL0160239	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-SE QUAD RMMA	SNL0160004	0	04-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.002	TCLP7470	QUANTERRA	
TA3/5-78-SUS-SLAG COMP	SNL0160176	0	21-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160207	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-SW QUAD RMMA	SNL0160015	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.002	TCLP7470	QUANTERRA	
TA3/5-78-SW QUAD RMMA-D	SNL0160199	0	10-OCT-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-TAIII	SNL0160280	0	19-DEC-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-TAIII-ST	SNL0160278	0	19-DEC-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	
TA3/5-78-TBM-COMP	SNL0160150	0	20-SEP-94	SOIL	Mercury, leachate		U	mg/L	0.0002	TCLP7470	QUANTERRA	

MBL = maximum background level

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-01	SNL0160284	F	0	2,4-Dinitrotoluene	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	2,4-Dinitrotoluene	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	2,4-Dinitrotoluene	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	2,4-Dinitrotoluene	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	2,4-Dinitrotoluene	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	2,4-Dinitrotoluene	ug/g	5.1		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	2,4-Dinitrotoluene	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Amino-2,6-dinitrotoluene, 4-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Amino-2,6-dinitrotoluene, 4-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Amino-2,6-dinitrotoluene, 4-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Amino-2,6-dinitrotoluene, 4-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Amino-2,6-dinitrotoluene, 4-	ug/g	5.6		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Amino-4,6-dinitrotoluene, 2-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Amino-4,6-dinitrotoluene, 2-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Amino-4,6-dinitrotoluene, 2-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Amino-4,6-dinitrotoluene, 2-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-B-AH-05	020214-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Amino-4,6-dinitrotoluene, 2-	ug/g	5.2		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Dinitrobenzene, 1,3-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Dinitrobenzene, 1,3-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Dinitrobenzene, 1,3-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Dinitrobenzene, 1,3-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Dinitrobenzene, 1,3-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Dinitrobenzene, 1,3-	ug/g	5		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Dinitrobenzene, 1,3-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Dinitrotoluene, 2,6-	ug/kg	<260	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Dinitrotoluene, 2,6-	ug/kg	<260	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Dinitrotoluene, 2,6-	ug/kg	<260	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Dinitrotoluene, 2,6-	ug/kg	<250	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<.26	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Dinitrotoluene, 2,6-	ug/g	5		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Dinitrotoluene, 2,6-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Dinitrotoluene, 2,6-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-TBM-COMP	SNL0160140	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-78-01	SNL0160284	F	0	HMX	ug/kg	<2200	U	SOIL
TA3/5-78-02	SNL0160289	F	0	HMX	ug/kg	<2200	U	SOIL
TA3/5-78-03	SNL0160295	F	0	HMX	ug/kg	<2200	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	HMX	ug/kg	<2200	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	HMX	ug/kg	<2.2	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	HMX	ug/g	5.1		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	HMX	ug/g	<2.2	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Nitro-benzene	ug/kg	<260	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Nitro-benzene	ug/kg	<260	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Nitro-benzene	ug/kg	<260	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Nitro-benzene	ug/kg	<250	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Nitro-benzene	ug/g	<.26	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-11B-5	SNL0160046	F	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Nitro-benzene	ug/kg	<.26	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Nitro-benzene	ug/g	4.9		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Nitro-benzene	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Nitro-benzene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Nitrotoluene, 2-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Nitrotoluene, 2-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Nitrotoluene, 2-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Nitrotoluene, 2-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-A-AH-05	020210-01	F	4	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Nitrotoluene, 2-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Nitrotoluene, 2-	ug/g	5		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Nitrotoluene, 2-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Nitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Nitrotoluene, 3-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Nitrotoluene, 3-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Nitrotoluene, 3-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Nitrotoluene, 3-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Nitrotoluene, 3-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Nitrotoluene, 3-	ug/g	4.9		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Nitrotoluene, 3-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-GCM	SNL0160159	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Nitrotoluene, 3-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Nitrotoluene, 3-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Nitrotoluene, 4-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Nitrotoluene, 4-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Nitrotoluene, 4-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Nitrotoluene, 4-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Nitrotoluene, 4-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Nitrotoluene, 4-	ug/g	4.8		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Nitrotoluene, 4-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Nitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	RDX	ug/kg	<990	U	SOIL
TA3/5-78-02	SNL0160289	F	0	RDX	ug/kg	<980	U	SOIL
TA3/5-78-03	SNL0160295	F	0	RDX	ug/kg	<1000	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	RDX	ug/kg	<980	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	RDX	ug/g	<1	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	RDX	ug/g	<1	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	RDX	ug/g	<1	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	RDX	ug/g	<1	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	RDX	ug/kg	<1	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	RDX	ug/g	<1	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	RDX	ug/g	<1	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	RDX	ug/g	5.5		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	RDX	ug/g	<1	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	RDX	ug/g	<1	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	RDX	ug/g	<1	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Tetryl	ug/kg	<640	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Tetryl	ug/kg	<640	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Tetryl	ug/kg	<650	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-03D	SNL0160300	F	0	Tetryl	ug/kg	<640	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Tetryl	ug/kg	<.65	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Tetryl	ug/g	3.6		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Tetryl	ug/g	<.65	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Trinitrobenzene, 1,3,5-	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Trinitrobenzene, 1,3,5-	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Trinitrobenzene, 1,3,5-	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Trinitrobenzene, 1,3,5-	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-15A-1	SNL0160088	F	1	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Trinitrobenzene, 1,3,5-	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	SD	4	Trinitrobenzene, 1,3,5-	ug/g	4.2		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Trinitrobenzene, 1,3,5-	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-78-01	SNL0160284	F	0	Trinitrotoluene	ug/kg	<250	U	SOIL
TA3/5-78-02	SNL0160289	F	0	Trinitrotoluene	ug/kg	<240	U	SOIL
TA3/5-78-03	SNL0160295	F	0	Trinitrotoluene	ug/kg	<250	U	SOIL
TA3/5-78-03D	SNL0160300	F	0	Trinitrotoluene	ug/kg	<240	U	SOIL
TA3/5-78-10A-1	SNL0160028	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-10B-5	SNL0160034	F	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-11A-1	SNL0160040	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-11B-5	SNL0160046	F	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-12A-1	SNL0160052	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-12B-5	SNL0160058	F	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-13A-1	SNL0160064	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-13B-4.5	SNL0160070	F	4.5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-14A-1	SNL0160076	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-14B-5	SNL0160082	F	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15A-1	SNL0160088	F	1	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15B-5	SNL0160094	F	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-15B-5-D	SNL0160100	D	5	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-01	020209-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-AH-05	020210-01	F	4	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-01	020211-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-A-BH-05	020212-01	F	4	Trinitrotoluene	ug/kg	<.25	U	SOIL
TA3/5-78-B-AH-01	020213-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-B-AH-05	020214-01	F	4	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-01	020215-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-C-AH-05	020216-01	F	4	Trinitrotoluene	ug/g	<.25	U	SOIL

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-C-AH-05	020216-01	SD	4	Trinitrotoluene	ug/g	4.9		SOIL
TA3/5-78-D-AH-01	020217-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-01-1	020219-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-D-AH-05	020218-01	F	4	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM	SNL0160159	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM-D	SNL0160167	D	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-GCM-MS	SNL0160172	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160227	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-NE QUAD RMMA	SNL0160235	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-RMMA-NON SUS	SNL0160243	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SE QUAD RMMA	SNL0160008	F	0	Trinitrotoluene	ug/g	<1	U	SOIL
TA3/5-78-ST-2	SNL0160121	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-ST-3	SNL0160127	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-ST-4	SNL0160133	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-STI	SNL0160114	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SUS-SLAG COMP	SNL0160177	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160020	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA	SNL0160211	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-SW QUAD RMMA-D	SNL0160203	D	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160140	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-TBM-COMP	SNL0160151	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-01	020207-01	F	0	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-UD-AH-05	020208-01	F	4	Trinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-78-EB	SNL0160162	EB	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-78-EB	020220-04	EB	0	2,4-Dinitrotoluene	ug/L	<.02	U	AQUEOUS
TA3/5-78-EB	SNL0160104	EB	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-78-EB	020220-04	EB	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Amino-4,6-dinitrotoluene, 2-	ug/L	.064		WATER
TA3/5-78-EB	020220-04	EB	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-78-EB	020220-04	EB	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-78-EB	020220-04	EB	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-78-EB	020220-04	EB	0	HMX	ug/L	<.8	U	AQUEOUS
TA3/5-78-EB	SNL0160104	EB	0	HMX	ug/L	<.8	U	WATER
TA3/5-78-EB	SNL0160162	EB	0	HMX	ug/L	<.8	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	HMX	ug/L	<.8	U	WATER
TA3/5-78-EB	SNL0160162	EB	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-78-EB	020220-04	EB	0	Nitro-benzene	ug/L	<.25	U	AQUEOUS
TA3/5-78-EB	SNL0160104	EB	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Nitrotoluene, 2-	ug/L	<.25	U	WATER
TA3/5-78-EB	020220-04	EB	0	Nitrotoluene, 2-	ug/L	<.25	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Nitrotoluene, 2-	ug/L	<.25	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Nitrotoluene, 2-	ug/L	<.25	U	WATER
TA3/5-78-EB	020220-04	EB	0	Nitrotoluene, 3-	ug/L	<.25	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Nitrotoluene, 3-	ug/L	<.25	U	WATER

ER Site 78 RFI Analytical Results; High Explosives (EPA Method 8330)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-EB	SNL0160104	EB	0	Nitrotoluene, 3-	ug/L	<.25	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Nitrotoluene, 3-	ug/L	<.25	U	WATER
TA3/5-78-EB	020220-04	EB	0	Nitrotoluene, 4-	ug/L	<.25	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Nitrotoluene, 4-	ug/L	<.25	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Nitrotoluene, 4-	ug/L	<.25	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Nitrotoluene, 4-	ug/L	<.25	U	WATER
TA3/5-78-EB	SNL0160162	EB	0	RDX	ug/L	<.84	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	RDX	ug/L	<.84	U	WATER
TA3/5-78-EB	020220-04	EB	0	RDX	ug/L	<.84	U	AQUEOUS
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	RDX	ug/L	<.84	U	WATER
TA3/5-78-EB	SNL0160162	EB	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-78-EB	020220-04	EB	0	Tetryl	ug/L	<.8	U	AQUEOUS
TA3/5-78-EB	SNL0160104	EB	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-78-EB	020220-04	EB	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	AQUEOUS
TA3/5-78-EB	SNL0160104	EB	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-78-EB	SNL0160162	EB	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-78-EB	SNL0160104	EB	0	Trinitrotoluene	ug/L	<.11	U	WATER
TA3/5-78-EB	020220-04	EB	0	Trinitrotoluene	ug/L	<.11	U	AQUEOUS
TA3/5-78-EB	SNL0160162	EB	0	Trinitrotoluene	ug/L	<.11	U	WATER
TA3/5-78-SW QUAD-EB	SNL0160215	EB	0	Trinitrotoluene	ug/L	<.11	U	WATER
TA3/5-78-FB	020221-04	FB	0	2,4-Dinitrotoluene	ug/L	<.02	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	HMX	ug/L	<.8	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Nitro-benzene	ug/L	<.25	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Nitrotoluene, 2-	ug/L	<.25	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Nitrotoluene, 3-	ug/L	<.25	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Nitrotoluene, 4-	ug/L	<.25	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	RDX	ug/L	<.84	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Tetryl	ug/L	<.8	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	AQUEOUS
TA3/5-78-FB	020221-04	FB	0	Trinitrotoluene	ug/L	<.11	U	AQUEOUS

ER Site 78 RFI Analytical Results; PCBs (Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1016	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1221	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1232	ug/kg	<33	U	SOIL

ER Site 78 RFI Analytical Results; PCBs (Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1232	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1242	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1248	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1254	ug/kg	<33	U	SOIL

ER Site 78 RFI Analytical Results; PCBs (Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1254	ug/kg	<33	U	SOIL
TA3/5-78-10A-1	SNL0160026	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-10B-5	SNL0160032	F	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-11A-1	SNL0160038	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-11B-5	SNL0160044	F	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-12A-1	SNL0160050	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-12B-5	SNL0160056	F	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-13A-1	SNL0160062	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-13B-4.5	SNL0160068	F	4.5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-14A-1	SNL0160074	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-14B-5	SNL0160080	F	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-15A-1	SNL0160086	F	1	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-15B-5	SNL0160092	F	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-15B-5-D	SNL0160098	D	5	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-ST-2	SNL0160119	F	0	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-ST-3	SNL0160125	F	0	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-ST-4	SNL0160131	F	0	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-STI	SNL0160112	F	0	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-TBM-COMP	SNL0160138	F	0	Aroclor 1260	ug/kg	<33	U	SOIL
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1016	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1221	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1232	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1242	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1248	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1254	ug/L	<1	U	WATER
TA3/5-78-EB	SNL0160103	EB	0	Aroclor 1260	ug/L	<1	U	WATER

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-01	SNL0160282	F	0	Acetone	ug/kg	75	BJ
TA3/5-78-01	SNL0160282	F	0	Benzene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-01	SNL0160282	F	0	Butanone, 2-	ug/kg	<100	U
TA3/5-78-01	SNL0160282	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-01	SNL0160282	F	0	Chloroethyl vinyl ether, 2-	ug/kg	<10	U
TA3/5-78-01	SNL0160282	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-01	SNL0160282	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloroethene, trans-1,2-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Hexanone, 2-	ug/kg	<50	U
TA3/5-78-01	SNL0160282	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Methylene chloride	ug/kg	28	B
TA3/5-78-01	SNL0160282	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<50	U
TA3/5-78-01	SNL0160282	F	0	Styrene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-01	SNL0160282	F	0	Vinyl acetate	ug/kg	<50	U
TA3/5-78-01	SNL0160282	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-01	SNL0160282	F	0	Xylene	ug/kg	<5	U
TA3/5-78-012	SNL0160141	F	0	Benzene	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-012	SNL0160141	F	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Chloroform	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Trichloroethene	ug/L	<5	U
TA3/5-78-012	SNL0160141	F	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-02	SNL0160287	F	0	Acetone	ug/kg	86	BJ
TA3/5-78-02	SNL0160287	F	0	Benzene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Bromomethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-02	SNL0160287	F	0	Butanone, 2-	ug/kg	<100	U
TA3/5-78-02	SNL0160287	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-02	SNL0160287	F	0	Chloroethyl vinyl ether, 2-	ug/kg	<10	U
TA3/5-78-02	SNL0160287	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-02	SNL0160287	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloroethene, trans-1,2-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Hexanone, 2-	ug/kg	<50	U
TA3/5-78-02	SNL0160287	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Methylene chloride	ug/kg	26	B
TA3/5-78-02	SNL0160287	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<50	U
TA3/5-78-02	SNL0160287	F	0	Styrene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-02	SNL0160287	F	0	Trichloroethene	ug/kg	4	J
TA3/5-78-02	SNL0160287	F	0	Vinyl acetate	ug/kg	<50	U
TA3/5-78-02	SNL0160287	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-02	SNL0160287	F	0	Xylene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Acetone	ug/kg	49	BJ
TA3/5-78-03	SNL0160292	F	0	Benzene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-03	SNL0160292	F	0	Butanone, 2-	ug/kg	<100	U
TA3/5-78-03	SNL0160292	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-03	SNL0160292	F	0	Chloroethyl vinyl ether, 2-	ug/kg	<10	U
TA3/5-78-03	SNL0160292	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-03	SNL0160292	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloroethene, trans-1,2-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-03	SNL0160292	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Hexanone, 2-	ug/kg	<52	U
TA3/5-78-03	SNL0160292	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Methylene chloride	ug/kg	22	B
TA3/5-78-03	SNL0160292	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<52	U
TA3/5-78-03	SNL0160292	F	0	Styrene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-03	SNL0160292	F	0	Vinyl acetate	ug/kg	<52	U
TA3/5-78-03	SNL0160292	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-03	SNL0160292	F	0	Xylene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Acetone	ug/kg	48	BJ
TA3/5-78-03D	SNL0160298	F	0	Benzene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-03D	SNL0160298	F	0	Butanone, 2-	ug/kg	<100	U
TA3/5-78-03D	SNL0160298	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-03D	SNL0160298	F	0	Chloroethyl vinyl ether, 2-	ug/kg	<10	U
TA3/5-78-03D	SNL0160298	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-03D	SNL0160298	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloroethene, trans-1,2-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Hexanone, 2-	ug/kg	<50	U
TA3/5-78-03D	SNL0160298	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Methylene chloride	ug/kg	22	B
TA3/5-78-03D	SNL0160298	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<50	U
TA3/5-78-03D	SNL0160298	F	0	Styrene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-03D	SNL0160298	F	0	Vinyl acetate	ug/kg	<50	U
TA3/5-78-03D	SNL0160298	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-03D	SNL0160298	F	0	Xylene	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-10A-1	SNL0160023	F	1	Acetone	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Benzene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Chloroethane	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Methylbenzene	ug/kg	8.7	
TA3/5-78-10A-1	SNL0160023	F	1	Methylene chloride	ug/kg	6.7	B
TA3/5-78-10A-1	SNL0160023	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Styrene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-10A-1	SNL0160023	F	1	Vinyl acetate	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-10A-1	SNL0160023	F	1	Xylene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Acetone	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Benzene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Bromoform	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Bromomethane	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Chloroethane	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Chloroform	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Chloromethane	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloroethene, 1,1-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-10B-5	SNL0160029	F	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Methylbenzene	ug/kg	15	
TA3/5-78-10B-5	SNL0160029	F	5	Methylene chloride	ug/kg	6.4	B
TA3/5-78-10B-5	SNL0160029	F	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Styrene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-10B-5	SNL0160029	F	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-10B-5	SNL0160029	F	5	Xylene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Acetone	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Benzene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Chloroethane	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Methylbenzene	ug/kg	17	
TA3/5-78-11A-1	SNL0160035	F	1	Methylene chloride	ug/kg	6.7	B
TA3/5-78-11A-1	SNL0160035	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Styrene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-11A-1	SNL0160035	F	1	Vinyl acetate	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-11A-1	SNL0160035	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-11A-1	SNL0160035	F	1	Xylene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Acetone	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Benzene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Bromoform	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Bromomethane	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Chloroethane	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Chloroform	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Chloromethane	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Methylbenzene	ug/kg	3.7	J
TA3/5-78-11B-5	SNL0160041	F	5	Methylene chloride	ug/kg	6.1	B
TA3/5-78-11B-5	SNL0160041	F	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Styrene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-11B-5	SNL0160041	F	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-11B-5	SNL0160041	F	5	Xylene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Acetone	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Benzene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Chloroethane	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloroethane, 1,1-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-12A-1	SNL0160047	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Methylbenzene	ug/kg	5.5	
TA3/5-78-12A-1	SNL0160047	F	1	Methylene chloride	ug/kg	6.2	B
TA3/5-78-12A-1	SNL0160047	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Styrene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-12A-1	SNL0160047	F	1	Vinyl acetate	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-12A-1	SNL0160047	F	1	Xylene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Acetone	ug/kg	4.8	J
TA3/5-78-12B-5	SNL0160053	F	5	Benzene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Bromoform	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Bromomethane	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Chloroethane	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Chloroform	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Chloromethane	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Methylbenzene	ug/kg	2.6	J
TA3/5-78-12B-5	SNL0160053	F	5	Methylene chloride	ug/kg	6.4	B
TA3/5-78-12B-5	SNL0160053	F	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Styrene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Trichloroethane, 1,1,2-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-12B-5	SNL0160053	F	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-12B-5	SNL0160053	F	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-12B-5	SNL0160053	F	5	Xylene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Acetone	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Benzene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Chloroethane	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Methylbenzene	ug/kg	5.5	
TA3/5-78-13A-1	SNL0160059	F	1	Methylene chloride	ug/kg	6.2	B
TA3/5-78-13A-1	SNL0160059	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Styrene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-13A-1	SNL0160059	F	1	Vinyl acetate	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-13A-1	SNL0160059	F	1	Xylene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Acetone	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Benzene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Bromoform	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Bromomethane	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Chloroethane	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Chloroform	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Chloromethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Methylbenzene	ug/kg	3.3	J
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Methylene chloride	ug/kg	5.8	B
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Styrene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Trichloroethene	ug/kg	<5	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-13B-4.5	SNL0160065	F	4.5	Xylene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Acetone	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Benzene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Chloroethane	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Methylbenzene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Methylene chloride	ug/kg	5.8	B
TA3/5-78-14A-1	SNL0160071	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Styrene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Tetrachloroethene	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-14A-1	SNL0160071	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-14A-1	SNL0160071	F	1	Vinyl acetate	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-14A-1	SNL0160071	F	1	Xylene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Acetone	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Benzene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Bromoform	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Bromomethane	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Chloroethane	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Chloroform	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Chloromethane	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Methylbenzene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Methylene chloride	ug/kg	3.8	BJ
TA3/5-78-14B-5	SNL0160077	F	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Styrene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-14B-5	SNL0160077	F	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-14B-5	SNL0160077	F	5	Xylene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Acetone	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Benzene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Bromoform	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Bromomethane	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Butanone, 2-	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Carbon disulfide	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Chlorobenzene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Chloroethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-15A-1	SNL0160083	F	1	Chloroform	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Chloromethane	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Ethyl benzene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Methylbenzene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Methylene chloride	ug/kg	2	BJ
TA3/5-78-15A-1	SNL0160083	F	1	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Styrene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Trichloroethene	ug/kg	<5	U
TA3/5-78-15A-1	SNL0160083	F	1	Vinyl acetate	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Vinyl chloride	ug/kg	<10	U
TA3/5-78-15A-1	SNL0160083	F	1	Xylene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Acetone	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Benzene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Bromoform	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Bromomethane	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Chloroethane	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Chloroform	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Chloromethane	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Methylbenzene	ug/kg	5.9	
TA3/5-78-15B-5	SNL0160089	F	5	Methylene chloride	ug/kg	4.5	BJ
TA3/5-78-15B-5	SNL0160089	F	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Styrene	ug/kg	<5	U

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-15B-5	SNL0160089	F	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-15B-5	SNL0160089	F	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-15B-5	SNL0160089	F	5	Xylene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Acetone	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Benzene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Bromoform	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Bromomethane	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Butanone, 2-	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Carbon disulfide	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Chlorobenzene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Chloroethane	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Chloroform	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Chloromethane	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Ethyl benzene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Methylbenzene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Methylene chloride	ug/kg	2.2	BJ
TA3/5-78-15B-5-D	SNL0160095	D	5	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Styrene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Trichloroethene	ug/kg	<5	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Vinyl acetate	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Vinyl chloride	ug/kg	<10	U
TA3/5-78-15B-5-D	SNL0160095	D	5	Xylene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Butanone, 2-	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Carbon tetrachloride	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-A-AH-05	020210-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Chloroethane	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Methylbenzene	ug/kg	1.2	J
TA3/5-78-A-AH-05	020210-02	F	4	Methylene chloride	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-A-AH-05	020210-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-A-AH-05	020210-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Butanone, 2-	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Chloroethane	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Methylbenzene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Methylene chloride	ug/kg	<5	U

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-A-BH-05	020212-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-A-BH-05	020212-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-A-BH-05	020212-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Butanone, 2-	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Chloroethane	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Methylbenzene	ug/kg	2.1	J
TA3/5-78-B-AH-05	020214-02	F	4	Methylene chloride	ug/kg	1.2	J
TA3/5-78-B-AH-05	020214-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-B-AH-05	020214-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-B-AH-05	020214-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Butanone, 2-	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-C-AH-05	020216-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Chloroethane	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Methylbenzene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Methylene chloride	ug/kg	2.1	J
TA3/5-78-C-AH-05	020216-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-C-AH-05	020216-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-C-AH-05	020216-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Acetone	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Acetone	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Acetone	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Carbon tetrachloride	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Methylene chloride	ug/kg	1.1	J
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Methylene chloride	ug/kg	1	J
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Methylene chloride	ug/kg	3	BJ

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Styrene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Styrene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Styrene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-CLEAN FIL	SNL0160244	F	0	Xylene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160248	F	0	Xylene	ug/kg	<5	U
TA3/5-78-CLEAN FIL	SNL0160252	F	0	Xylene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Butanone, 2-	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Chloroethane	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-D-AH-05	020218-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Methylbenzene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Methylene chloride	ug/kg	1.6	J
TA3/5-78-D-AH-05	020218-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-D-AH-05	020218-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-D-AH-05	020218-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-GCM	SNL0160153	F	0	Benzene	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-GCM	SNL0160153	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-GCM	SNL0160153	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-GCM-D	SNL0160163	D	0	Benzene	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-GCM-D	SNL0160163	D	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Chloroform	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-GCM-D	SNL0160163	D	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Benzene	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-GCM-MS	SNL0160168	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Benzene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Benzene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Carbon tetrachloride	mg/L	<.025	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-NE QUAD R	SNL0160220	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-NE QUAD R	SNL0160220	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-NE QUAD R	SNL0160228	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-RMMA	SNL0160257	F	0	Acetone	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Benzene	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Methylbenzene	ug/kg	1.4	J
TA3/5-78-RMMA	SNL0160257	F	0	Methylene chloride	ug/kg	8.4	B
TA3/5-78-RMMA	SNL0160257	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Styrene	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-RMMA	SNL0160257	F	0	Trichloroethene	ug/kg	13	
TA3/5-78-RMMA	SNL0160257	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-RMMA	SNL0160257	F	0	Xylene	ug/kg	<5	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Benzene	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Butanone, 2-	mg/L	<.05	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-RMMA-NON	SNL0160236	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-RMMA-NON	SNL0160236	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Benzene	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Butanone, 2-	mg/L	<.1	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Carbon tetrachloride	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Chlorobenzene	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Chloroform	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Dichloroethane, 1,2-	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Dichloroethene, 1,1-	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Tetrachloroethene	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Trichloroethene	mg/L	<.05	U
TA3/5-78-SE QUAD R	SNL0160001	F	0	Vinyl chloride	mg/L	<.1	U
TA3/5-78-SLED-N	SNL0160262	F	0	Acetone	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Acetone	ug/kg	4.7	J
TA3/5-78-SLED-N	SNL0160270	F	0	Acetone	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Chloroform	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-SLED-N	SNL0160270	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Methylene chloride	ug/kg	2.2	J
TA3/5-78-SLED-N	SNL0160266	F	0	Methylene chloride	ug/kg	2.8	J
TA3/5-78-SLED-N	SNL0160270	F	0	Methylene chloride	ug/kg	2.7	J
TA3/5-78-SLED-N	SNL0160262	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Styrene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Styrene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Styrene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Tetrachloroethene	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-SLED-N	SNL0160266	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160262	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160266	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160270	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-SLED-N	SNL0160262	F	0	Xylene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160266	F	0	Xylene	ug/kg	<5	U
TA3/5-78-SLED-N	SNL0160270	F	0	Xylene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Acetone	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Benzene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Methylbenzene	ug/kg	4	J
TA3/5-78-ST-2	SNL0160115	F	0	Methylene chloride	ug/kg	3	BJ
TA3/5-78-ST-2	SNL0160115	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Styrene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-ST-2	SNL0160115	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-ST-2	SNL0160115	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-ST-2	SNL0160115	F	0	Xylene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Acetone	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Benzene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Methylene chloride	ug/kg	3.9	BJ
TA3/5-78-ST-3	SNL0160122	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Styrene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-ST-3	SNL0160122	F	0	Trichloroethene	ug/kg	1.3	J
TA3/5-78-ST-3	SNL0160122	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-ST-3	SNL0160122	F	0	Xylene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Acetone	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Benzene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Chloromethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-ST-4	SNL0160128	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Methylbenzene	ug/kg	3.6	J
TA3/5-78-ST-4	SNL0160128	F	0	Methylene chloride	ug/kg	10	B
TA3/5-78-ST-4	SNL0160128	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Styrene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-ST-4	SNL0160128	F	0	Trichloroethene	ug/kg	11	
TA3/5-78-ST-4	SNL0160128	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-ST-4	SNL0160128	F	0	Xylene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Acetone	ug/kg	69	
TA3/5-78-STI	SNL0160109	F	0	Benzene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Methylene chloride	ug/kg	2.5	BJ
TA3/5-78-STI	SNL0160109	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Styrene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Tetrachloroethene	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-STI	SNL0160109	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-STI	SNL0160109	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-STI	SNL0160109	F	0	Xylene	ug/kg	<5	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Benzene	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Carbon tetrachloride	mg/L	.011	J
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-SUS-SLAG	SNL0160173	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Benzene	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Benzene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Butanone, 2-	mg/L	<.1	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Carbon tetrachloride	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Chlorobenzene	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Chloroform	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Dichloroethane, 1,2-	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Dichloroethene, 1,1-	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Tetrachloroethene	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Trichloroethene	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160010	F	0	Vinyl chloride	mg/L	<.1	U
TA3/5-78-SW QUAD R	SNL0160204	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Benzene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Chloroform	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-SW QUAD R	SNL0160196	D	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Acetone	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Benzene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Benzene	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Bromodichloromethane	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TBM-COMP	SNL0160134	F	0	Bromoform	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Bromomethane	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Chloroethane	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Chloroform	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Chloroform	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Methylene chloride	ug/kg	1.7	J
TA3/5-78-TBM-COMP	SNL0160134	F	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Styrene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TBM-COMP	SNL0160147	F	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-TBM-COMP	SNL0160134	F	0	Xylene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Acetone	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Benzene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Bromoform	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Bromomethane	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Butanone, 2-	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Carbon disulfide	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Chlorobenzene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Chloroethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-UD-AH-05	020208-02	F	4	Chloroform	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Chloromethane	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Ethyl benzene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Methylbenzene	ug/kg	2.4	J
TA3/5-78-UD-AH-05	020208-02	F	4	Methylene chloride	ug/kg	1.2	J
TA3/5-78-UD-AH-05	020208-02	F	4	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Styrene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Trichloroethene	ug/kg	<5	U
TA3/5-78-UD-AH-05	020208-02	F	4	Vinyl acetate	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Vinyl chloride	ug/kg	<10	U
TA3/5-78-UD-AH-05	020208-02	F	4	Xylene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Acetone	ug/L	6.6	J
TA3/5-78-FB	SNL0160303	FB	0	Acetone	ug/kg	50	BJ
TA3/5-78-FB	020221-02	FB	0	Benzene	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Benzene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Benzene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Bromodichloromethane	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Bromoform	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Bromoform	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Bromomethane	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Bromomethane	ug/kg	<10	U
TA3/5-78-FB	020221-02	FB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160212	FB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Butanone, 2-	ug/kg	<100	U
TA3/5-78-FB	020221-02	FB	0	Carbon disulfide	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Chloroethane	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Chloroethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-FB	SNL0160303	FB	0	Chloroethyl vinyl ether, 2-	ug/kg	<10	U
TA3/5-78-FB	020221-02	FB	0	Chloroform	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Chloroform	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Chloroform	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Chloromethane	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-FB	020221-02	FB	0	Dibromochloromethane	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloroethane, 1,1-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloroethene, 1,2-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloroethene, trans-1,2-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloropropane, 1,2-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloropropane, 1,2-	ug/kg	<4	U
TA3/5-78-FB	020221-02	FB	0	Dichloropropene, cis-1,3-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Dichloropropene, trans-1,3-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Ethyl benzene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Hexanone, 2-	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Hexanone, 2-	ug/kg	<51	U
TA3/5-78-FB	020221-02	FB	0	Methylbenzene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Methylene chloride	ug/L	2.1	BJ
TA3/5-78-FB	SNL0160303	FB	0	Methylene chloride	ug/kg	20	B
TA3/5-78-FB	020221-02	FB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Pentanone, 4-methyl-, 2-	ug/kg	<51	U
TA3/5-78-FB	020221-02	FB	0	Styrene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Styrene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Trichloroethane, 1,1,1-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Trichloroethane, 1,1,2-	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160212	FB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-FB	020221-02	FB	0	Vinyl acetate	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Vinyl acetate	ug/kg	<51	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-FB	020221-02	FB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-EB	SNL0160212	FB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-FB	SNL0160303	FB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-FB	020221-02	FB	0	Xylene	ug/L	<5	U
TA3/5-78-FB	SNL0160303	FB	0	Xylene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Acetone	ug/kg	15	
TA3/5-78-TB	SNL0160108	TB	0	Acetone	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Acetone	ug/kg	24	
TA3/5-78-TB	SNL0160135	TB	0	Acetone	ug/kg	19	
TA3/5-78-TB	SNL0160142	TB	0	Acetone	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Acetone	ug/kg	180	
TA3/5-78-TB	SNL0160261	TB	0	Acetone	ug/kg	150	
TA3/5-78-TB	SNL0160274	TB	0	Acetone	ug/kg	130	
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Benzene	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Benzene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Benzene	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Benzene	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Benzene	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Benzene	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Benzene	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Benzene	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Benzene	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Benzene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Bromodichloromethane	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Bromodichloromethane	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Bromodichloromethane	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Bromodichloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Bromoform	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Bromoform	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Bromoform	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Bromoform	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Bromoform	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Bromoform	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Bromoform	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Bromoform	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Bromomethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Bromomethane	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Bromomethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Bromomethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Bromomethane	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Bromomethane	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TB	SNL0160261	TB	0	Bromomethane	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Bromomethane	ug/kg	<10	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Butanone, 2-	mg/L	<.1	U
TA3/5-78-TB	SNL0160107	TB	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Butanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-TB	SNL0160146	TB	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-TB	SNL0160152	TB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-TB	SNL0160179	TB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-TB	SNL0160180	TB	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-TB	SNL0160218	TB	0	Butanone, 2-	mg/L	<.05	U
TA3/5-78-TB	SNL0160219	TB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Butanone, 2-	ug/kg	65	
TA3/5-78-TB	SNL0160261	TB	0	Butanone, 2-	ug/kg	44	
TA3/5-78-TB	SNL0160274	TB	0	Butanone, 2-	ug/kg	31	
TA3/5-78-TB	SNL0160107	TB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Carbon disulfide	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Carbon disulfide	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Carbon disulfide	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Carbon disulfide	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Carbon tetrachloride	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Carbon tetrachloride	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Carbon tetrachloride	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Carbon tetrachloride	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Chlorobenzene	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Chlorobenzene	mg/L	<.025	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TB	SNL0160218	TB	0	Chlorobenzene	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Chlorobenzene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Chlorobenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Chloroethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Chloroethane	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Chloroethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Chloroethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Chloroethane	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Chloroethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160261	TB	0	Chloroethane	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Chloroethane	ug/kg	<10	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Chloroform	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Chloroform	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Chloroform	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Chloroform	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Chloroform	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Chloroform	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Chloroform	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Chloroform	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Chloroform	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Chloroform	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Chloroform	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Chloroform	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Chloroform	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Chloroform	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Chloroform	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Chloromethane	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Chloromethane	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160261	TB	0	Chloromethane	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Chloromethane	ug/kg	<10	U
TA3/5-78-TB	SNL0160107	TB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dibromochloromethane	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dibromochloromethane	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dibromochloromethane	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dibromochloromethane	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloroethane, 1,1-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloroethane, 1,1-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloroethane, 1,1-	ug/kg	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TB	SNL0160261	TB	0	Dichloroethane, 1,1-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloroethane, 1,1-	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Dichloroethane, 1,2-	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Dichloroethane, 1,2-	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloroethane, 1,2-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloroethane, 1,2-	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Dichloroethene, 1,1-	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Dichloroethene, 1,1-	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloroethene, 1,1-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloroethene, 1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloroethene, 1,2-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloroethene, 1,2-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloroethene, 1,2-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloroethene, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloropropane, 1,2-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloropropane, 1,2-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloropropane, 1,2-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloropropane, 1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloropropene, cis-1,3-	ug/L	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloropropene, cis-1,3-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloropropene, cis-1,3-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloropropene, cis-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Dichloropropene, trans-1,3-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Dichloropropene, trans-1,3-	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Dichloropropene, trans-1,3-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Dichloropropene, trans-1,3-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Ethyl benzene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Ethyl benzene	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Ethyl benzene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Ethyl benzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Hexanone, 2-	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Hexanone, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Hexanone, 2-	ug/L	<10	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Hexanone, 2-	ug/kg	13	
TA3/5-78-TB	SNL0160261	TB	0	Hexanone, 2-	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Hexanone, 2-	ug/kg	5.9	J
TA3/5-78-TB	SNL0160107	TB	0	Methylbenzene	ug/kg	1.6	J
TA3/5-78-TB	SNL0160108	TB	0	Methylbenzene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Methylbenzene	ug/kg	5.6	
TA3/5-78-TB	SNL0160135	TB	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Methylbenzene	ug/L	<5	U
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Methylbenzene	ug/kg	3.6	J
TA3/5-78-TB	SNL0160261	TB	0	Methylbenzene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Methylbenzene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Methylene chloride	ug/kg	6.8	B
TA3/5-78-TB	SNL0160108	TB	0	Methylene chloride	ug/L	3	BJ
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Methylene chloride	ug/kg	5.1	B
TA3/5-78-TB	SNL0160135	TB	0	Methylene chloride	ug/kg	2.5	J
TA3/5-78-TB	SNL0160142	TB	0	Methylene chloride	ug/L	1.6	J
TA3/5-78-CLEAN FIL	SNL0160256	TB	0	Methylene chloride	ug/kg	13	B
TA3/5-78-TB	SNL0160261	TB	0	Methylene chloride	ug/kg	13	B
TA3/5-78-TB	SNL0160274	TB	0	Methylene chloride	ug/kg	4.6	J
TA3/5-78-TB	SNL0160107	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TB	SNL0160142	TB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160261	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Pentanone, 4-methyl-, 2-	ug/kg	<10	U
TA3/5-78-TB	SNL0160107	TB	0	Styrene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Styrene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Styrene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Styrene	ug/kg	1.7	J
TA3/5-78-TB	SNL0160142	TB	0	Styrene	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Styrene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Styrene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Styrene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Tetrachloroethene	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Tetrachloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Tetrachloroethene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Tetrachloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Trichloroethane, 1,1,1-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Trichloroethane, 1,1,1-	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Trichloroethane, 1,1,1-	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Trichloroethane, 1,1,1-	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Trichloroethane, 1,1,2-	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Trichloroethane, 1,1,2-	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Trichloroethane, 1,1,2-	ug/kg	<8.3	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-TB	SNL0160274	TB	0	Trichloroethane, 1,1,2-	ug/kg	<5	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Trichloroethene	mg/L	<.05	U
TA3/5-78-TB	SNL0160107	TB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160108	TB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160146	TB	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160152	TB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160179	TB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-TB	SNL0160180	TB	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160218	TB	0	Trichloroethene	mg/L	<.025	U
TA3/5-78-TB	SNL0160219	TB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Trichloroethene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Trichloroethene	ug/kg	<5	U
TA3/5-78-TB	SNL0160107	TB	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Vinyl acetate	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Vinyl acetate	ug/L	<10	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-TB	SNL0160261	TB	0	Vinyl acetate	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Vinyl acetate	ug/kg	<10	U
TA3/5-78-SE QUAD R	SNL0160009	TB	0	Vinyl chloride	mg/L	<.1	U
TA3/5-78-TB	SNL0160107	TB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TB	SNL0160108	TB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TB	SNL0160135	TB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TB	SNL0160142	TB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-TB	SNL0160146	TB	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-TB	SNL0160152	TB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-TB	SNL0160179	TB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-TB	SNL0160180	TB	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-TB	SNL0160218	TB	0	Vinyl chloride	mg/L	<.05	U
TA3/5-78-TB	SNL0160219	TB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TB	SNL0160261	TB	0	Vinyl chloride	ug/kg	<17	U
TA3/5-78-TB	SNL0160274	TB	0	Vinyl chloride	ug/kg	<10	U
TA3/5-78-TB	SNL0160107	TB	0	Xylene	ug/kg	1.4	J
TA3/5-78-TB	SNL0160108	TB	0	Xylene	ug/L	<5	U
TA3/5-78-ST-4-TB	SNL0160116	TB	0	Xylene	ug/kg	<5	U
TA3/5-78-TB	SNL0160135	TB	0	Xylene	ug/kg	<5	U
TA3/5-78-TB	SNL0160142	TB	0	Xylene	ug/L	<5	U
TA3/5-78-CLEAN FILL	SNL0160256	TB	0	Xylene	ug/kg	<5	U
TA3/5-78-TB	SNL0160261	TB	0	Xylene	ug/kg	<8.3	U
TA3/5-78-TB	SNL0160274	TB	0	Xylene	ug/kg	<5	U
TA3/5-78-EB	020220-02	EB	0	Acetone	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Acetone	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Benzene	ug/L	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-EB	SNL0160101	EB	0	Benzene	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Benzene	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Benzene	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Benzene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Bromodichloromethane	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Bromodichloromethane	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Bromoform	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Bromoform	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Bromomethane	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Bromomethane	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160157	EB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160178	EB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Butanone, 2-	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Carbon disulfide	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Carbon disulfide	ug/L	1.5	J
TA3/5-78-EB	020220-02	EB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Carbon tetrachloride	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Chlorobenzene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Chloroethane	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Chloroethane	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Chloroform	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Chloroform	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Chloroform	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Chloroform	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Chloroform	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Chloromethane	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Chloromethane	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Dibromochloromethane	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dibromochloromethane	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Dichloroethane, 1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloroethane, 1,1-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Dichloroethane, 1,2-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Dichloroethene, 1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Dichloroethene, 1,1-	ug/L	5.2	
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Dichloroethene, 1,1-	ug/L	<5	U

ER Site 78 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag
TA3/5-78-EB	020220-02	EB	0	Dichloroethene, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloroethene, 1,2-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Dichloropropane, 1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloropropane, 1,2-	ug/L	5.8	
TA3/5-78-EB	020220-02	EB	0	Dichloropropene, cis-1,3-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloropropene, cis-1,3-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Dichloropropene, trans-1,3-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Dichloropropene, trans-1,3-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Ethyl benzene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Ethyl benzene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Hexanone, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Hexanone, 2-	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Methylbenzene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Methylbenzene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Methylene chloride	ug/L	2	BJ
TA3/5-78-EB	SNL0160101	EB	0	Methylene chloride	ug/L	1.4	BJ
TA3/5-78-EB	020220-02	EB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Styrene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Styrene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Tetrachloroethene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Trichloroethane, 1,1,1-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Trichloroethane, 1,1,1-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Trichloroethane, 1,1,2-	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Trichloroethane, 1,1,2-	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160157	EB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-EB	SNL0160178	EB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Trichloroethene	ug/L	<5	U
TA3/5-78-EB	020220-02	EB	0	Vinyl acetate	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Vinyl acetate	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-EB	SNL0160101	EB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-EB	SNL0160157	EB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-EB	SNL0160178	EB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-SW QUAD-E	SNL0160213	EB	0	Vinyl chloride	ug/L	<10	U
TA3/5-78-EB	020220-02	EB	0	Xylene	ug/L	<5	U
TA3/5-78-EB	SNL0160101	EB	0	Xylene	ug/L	<5	U

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-01	SNL0160283	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Acenaphthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Benzyl alcohol	ug/kg	<660	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chloro-3-methylphenol, 4-	ug/kg	<660	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chlorobenzenamine, 4-	ug/kg	<660	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Chrysene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	41	J	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Fluorene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Isophorone	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Naphthalene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-01	SNL0160283	F	0	Phenanthrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Phenol	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Trichlorophenol, 2,4,5-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-01	SNL0160283	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-012	SNL0160143	F	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Acenaphthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Acenaphthylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzo(a)anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzo(a)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzo(b)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzo(ghi)perylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzo(k)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzoic acid	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Benzyl alcohol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Butylbenzyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Carbazole	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chlorobenzenamine, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chloronaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chlorophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Chrysene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dibenz[a,h]anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dibenzofuran	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorobenzene, 1,2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorobenzene, 1,3-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dichlorphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Diethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dimethylphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dimethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Di-n-butyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dinitrophenol, 2,4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Dinitrotoluene, 2,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Di-n-octyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Ethylhexyl)phthalate, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Fluorene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Hexachlorocyclopentadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Isophorone	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Methylnaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Methylphenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Naphthalene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitroaniline, 2-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitroaniline, 3-	ug/L	<50	U	WATER	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-012	SNL0160143	F	0	Nitrobenzenamine, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitrophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitrophenol, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitrosodiphenylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Nitrosodipropylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Phenanthrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Phenol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-012	SNL0160143	F	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-02	SNL0160288	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Acenaphthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Benzyl alcohol	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chloro-3-methylphenol, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chlorobenzenamine, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Chrysene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	41	J	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Fluorene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Isophorone	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-02	SNL0160288	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Naphthalene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Phenanthrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Phenol	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Trichlorophenol, 2,4,5-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-02	SNL0160288	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	2,4-Dinitrotoluene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Acenaphthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Acenaphthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Acenaphthylene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzo(a)anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzo(a)pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzo(b)fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzo(ghi)perylene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzo(k)fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Benzyl alcohol	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Benzyl alcohol	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Butylbenzyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chloro-3-methylphenol, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chloro-3-methylphenol, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chlorobenzenamine, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chlorobenzenamine, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chloroethyl)ether, bis(2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chloronaphthalene, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chlorophenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-03	SNL0160293	F	0	Chrysene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Chrysene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dibenz[a,h]anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dibenzofuran	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorobenzene, 1,2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorobenzene, 1,3-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorobenzene, 1,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dichlorphenol, 2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Diethylphthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dimethylphenol, 2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dimethylphthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Di-n-butyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Dinitrotoluene, 2,6-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Di-n-octyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	36	J	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	57	J	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Fluoranthene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Fluorene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Fluorene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Hexachlorobenzene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Hexachlorobutadiene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Hexachlorocyclopentadiene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Hexachloroethane	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Isophorone	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Isophorone	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Methylnaphthalene, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Methylphenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Methylphenol, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Naphthalene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-03	SNL0160294	F	0	Naphthalene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitro-benzene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitrophenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitrosodiphenylamine, n-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Nitrosodipropylamine, n-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Phenanthrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Phenanthrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Phenol	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Phenol	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Pyrene	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Trichlorophenol, 2,4,5-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Trichlorophenol, 2,4,5-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160293	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03	SNL0160294	F	0	Trichlorophenol, 2,4,6-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	2,4-Dinitrotoluene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Acenaphthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Acenaphthylene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzo(a)anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzo(a)pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzo(b)fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzo(ghi)perylene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzo(k)fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Benzyl alcohol	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Butylbenzyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chloro-3-methylphenol, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chlorobenzenamine, 4-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chloroethyl)ether, bis(2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chloronaphthalene, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chlorophenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Chrysene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dibenz[a,h]anthracene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dibenzofuran	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dichlorobenzene, 1,2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dichlorobenzene, 1,3-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dichlorobenzene, 1,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<670	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-03D	SNL0160299	F	0	Dichlorphenol, 2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Diethylphthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dimethylphenol, 2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dimethylphthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Di-n-butyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Dinitrotoluene, 2,6-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Di-n-octyl phthalate	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	97	J	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Fluoranthene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Fluorene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Hexachlorobenzene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Hexachlorobutadiene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Hexachlorocyclopentadiene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Hexachloroethane	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Isophorone	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Methylnaphthalene, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Methylphenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Methylphenol, 4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Naphthalene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitro-benzene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitrophenol, 2-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitrosodiphenylamine, n-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Nitrosodipropylamine, n-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Phenanthrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Phenol	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Pyrene	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Trichlorophenol, 2,4,5-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-03D	SNL0160299	F	0	Trichlorophenol, 2,4,6-	ug/kg	<340	U	SOIL	ITAS-OAK RIDGE
TA3/5-78-10A-1	SNL0160027	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-10A-1	SNL0160027	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10A-1	SNL0160027	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-10B-5	SNL0160033	F	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-10B-5	SNL0160033	F	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-11A-1	SNL0160039	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11A-1	SNL0160039	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-11B-5	SNL0160045	F	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-11B-5	SNL0160045	F	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-11B-5	SNL0160045	F	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-12A-1	SNL0160051	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12A-1	SNL0160051	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-12B-5	SNL0160057	F	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-12B-5	SNL0160057	F	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-13A-1	SNL0160063	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13A-1	SNL0160063	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-13B-4.5	SNL0160069	F	4.5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14A-1	SNL0160075	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-14B-5	SNL0160081	F	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-14B-5	SNL0160081	F	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-15A-1	SNL0160087	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15A-1	SNL0160087	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-15B-5	SNL0160093	F	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-15B-5	SNL0160093	F	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5	SNL0160093	F	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-15B-5-D	SNL0160099	D	5	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Acenaphthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Acenaphthylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzo(a)anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzo(a)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzo(b)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzo(ghi)perylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzo(k)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzoic acid	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Benzyl alcohol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Butylbenzyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Carbazole	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chlorobenzenamine, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chloronaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chlorophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Chrysene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dibenz[a,h]anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dibenzofuran	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorobenzene, 1,2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorobenzene, 1,3-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dichlorphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Diethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dimethylphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dimethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Di-n-butyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dinitrophenol, 2,4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Dinitrotoluene, 2,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Di-n-octyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Ethylhexyl)phthalate, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Fluorene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Hexachlorocyclopentadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Isophorone	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Methylnaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Methylphenol, 2-	ug/L	<10	U	WATER	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-459-462	SNL0160275	F	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Naphthalene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitroaniline, 2-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitroaniline, 3-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitrobenzenamine, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitrophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitrophenol, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitrosodiphenylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Nitrosodipropylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Phenanthrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Phenol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-459-462	SNL0160275	F	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-A-AH-01	020209-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-A-AH-01	020209-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-01	020209-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-A-AH-05	020210-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-AH-05	020210-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-A-BH-01	020211-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-01	020211-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-A-BH-05	020212-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-A-BH-05	020212-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Carbazole	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-BACKGR	022387-03	F	1	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-BACKGR	022387-03	F	1	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-B-AH-01	020213-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	41	J	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-01	020213-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-B-AH-05	020214-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	72	J	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-B-AH-05	020214-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-B-AH-05	020214-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-C-AH-01	020215-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-C-AH-01	020215-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-C-AH-05	020216-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	2,4-Dinitrotoluene	ug/kg	2900		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Acenaphthene	ug/kg	2700		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Anthracene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Carbazole	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Chloro-3-methylphenol, 4-	ug/kg	4400		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Chlorophenol, 2-	ug/kg	5000		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Chrysene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Dichlorobenzene, 1,4-	ug/kg	2500		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-C-AH-05	020216-01	F	4	Fluorene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Isophorone	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Nitrophenol, 4-	ug/kg	5700		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Nitrosodipropylamine, n-	ug/kg	2800		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Pentachlorophenol	ug/kg	5300		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Phenol	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Phenol	ug/kg	4700		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Pyrene	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Pyrene	ug/kg	3000		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	
TA3/5-78-C-AH-05	020216-01	SD	4	Trichlorobenzene, 1,2,4-	ug/kg	2600		SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	
TA3/5-78-C-AH-05	020216-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	
TA3/5-78-CLEAN F	SNL0160247	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzo(a)pyrene	ug/kg	38	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzo(b)fluoranthene	ug/kg	76	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzo(b)fluoranthene	ug/kg	38	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzo(ghi)perylene	ug/kg	34	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzo(k)fluoranthene	ug/kg	47	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzo(k)fluoranthene	ug/kg	54	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Chrysene	ug/kg	51	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Chrysene	ug/kg	51	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Fluoranthene	ug/kg	50	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Fluoranthene	ug/kg	48	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-CLEAN F	SNL0160251	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Pentachlorophenol	ug/kg	48	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Pyrene	ug/kg	53	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Pyrene	ug/kg	58	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Pyrene	ug/kg	40	J	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160247	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160251	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-CLEAN F	SNL0160255	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-D-AH-01	020217-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-D-AH-01	020217-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020217-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-D-AH-01	020217-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-D-AH-01	020219-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-01	020219-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-D-AH-05	020218-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-D-AH-05	020218-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-NE QUA	DSNL0160226	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160226	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUA	DSNL0160234	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-NE QUAD	SNL0160226	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160226	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-NE QUAD	SNL0160234	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-RMMA	SNL0160260	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Trichlorobenzene, 1,2,4-	ug/kg	54	J	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA	SNL0160260	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-RMMA-N	SNL0160242	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorobenzene, 1,3-	ug/kg	36	J	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Trichlorobenzene, 1,2,4-	ug/kg	58	J	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-RMMA-N	SNL0160242	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SE QUAD	SNL0160006	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dinitrophenol, 2,4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitroaniline, 2-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitroaniline, 3-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitrobenzenamine, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitrophenol, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Pentachlorophenol	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Trichlorophenol, 2,4,5-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SE QUAD	SNL0160006	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SLED-N	SNL0160271	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SLED-N	SNL0160267	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SLED-N	SNL0160263	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SLED-N	SNL0160271	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160263	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160267	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SLED-N	SNL0160271	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	2,4-Dinitrotoluene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Acenaphthene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Acenaphthylene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Anthracene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzo(a)anthracene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzo(a)pyrene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzo(b)fluoranthene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzo(ghi)perylene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzo(k)fluoranthene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzoic acid	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Benzyl alcohol	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Butylbenzyl phthalate	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Carbazole	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chloro-3-methylphenol, 4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chlorobenzenamine, 4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chloroethyl)ether, bis(2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chloronaphthalene, 2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chlorophenol, 2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Chrysene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dibenz[a,h]anthracene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dibenzofuran	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorobenzene, 1,2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorobenzene, 1,3-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorobenzene, 1,4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<16000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dichlorphenol, 2,4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Diethylphthalate	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dimethylphenol, 2,4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dimethylphthalate	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Di-n-butyl phthalate	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dinitrophenol, 2,4-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Dinitrotoluene, 2,6-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Di-n-octyl phthalate	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Fluoranthene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Fluorene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Hexachlorobenzene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Hexachlorobutadiene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Hexachlorocyclopentadiene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Hexachloroethane	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Isophorone	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Methylnaphthalene, 2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Methylphenol, 2-	ug/kg	<8200	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-ST-2	SNL0160120	F	0	Methylphenol, 4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Naphthalene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitroaniline, 2-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitroaniline, 3-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitrobenzenamine, 4-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitro-benzene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitrophenol, 2-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitrophenol, 4-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitrosodiphenylamine, n-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Nitrosodipropylamine, n-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Pentachlorophenol	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Phenanthrene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Phenol	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Pyrene	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Trichlorophenol, 2,4,5-	ug/kg	<40000	U	SOIL	QUANTERRA
TA3/5-78-ST-2	SNL0160120	F	0	Trichlorophenol, 2,4,6-	ug/kg	<8200	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-ST-3	SNL0160126	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-3	SNL0160126	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Di-n-butyl phthalate	ug/kg	33	J	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-ST-4	SNL0160132	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	97	J	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Phenol	ug/kg	140	J	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Trichlorobenzene, 1,2,4-	ug/kg	66	J	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-ST-4	SNL0160132	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	2,4-Dinitrotoluene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Acenaphthene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Acenaphthylene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Anthracene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzo(a)anthracene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzo(a)pyrene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzo(b)fluoranthene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzo(ghi)perylene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzo(k)fluoranthene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzoic acid	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Benzyl alcohol	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Butylbenzyl phthalate	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Carbazole	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chloro-3-methylphenol, 4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chlorobenzenamine, 4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chloroethyl)ether, bis(2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chloronaphthalene, 2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chlorophenol, 2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Chrysene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dibenz[a,h]anthracene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dibenzofuran	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dichlorobenzene, 1,2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dichlorobenzene, 1,3-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dichlorobenzene, 1,4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<130000	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-STI	SNL0160113	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dichlorphenol, 2,4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Diethylphthalate	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dimethylphenol, 2,4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dimethylphthalate	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Di-n-butyl phthalate	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dinitrophenol, 2,4-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Dinitrotoluene, 2,6-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Di-n-octyl phthalate	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Fluoranthene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Fluorene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Hexachlorobenzene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Hexachlorobutadiene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Hexachlorocyclopentadiene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Hexachloroethane	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Isophorone	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Methylnaphthalene, 2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Methylphenol, 2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Methylphenol, 4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Naphthalene	ug/kg	880000		SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitroaniline, 2-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitroaniline, 3-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitrobenzenamine, 4-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitro-benzene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitrophenol, 2-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitrophenol, 4-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitrosodiphenylamine, n-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Nitrosodipropylamine, n-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Pentachlorophenol	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Phenanthrene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Phenol	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Pyrene	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Trichlorophenol, 2,4,5-	ug/kg	<320000	U	SOIL	QUANTERRA
TA3/5-78-STI	SNL0160113	F	0	Trichlorophenol, 2,4,6-	ug/kg	<66000	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SW QUA	SNL0160019	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Butylbenzyl phthalate	ug/kg	890	B	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Chrysene	ug/kg	130	J	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Chrysene	ug/kg	36	J	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dinitrophenol, 2,4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dinitrophenol, 2,4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	79	J	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	100	J	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SW QUA	SNL0160210	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitroaniline, 2-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitroaniline, 2-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitroaniline, 3-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitroaniline, 3-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitrobenzenamine, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitrobenzenamine, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitrophenol, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitrophenol, 4-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Pentachlorophenol	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Pentachlorophenol	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Trichlorophenol, 2,4,5-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Trichlorophenol, 2,4,5-	ug/kg	<800	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160019	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160022	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160210	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SW QUA	SNL0160202	D	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Chrysene	ug/kg	50	J	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-SW QUA	SNL0160202	D	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-SW QUA	SNL0160202	D	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Carbazole	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Chrysene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorodiisopropyl ether, 2,2'-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Fluorene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Isophorone	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Naphthalene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Phenol	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Pyrene	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QUANTERRA
TA3/5-78-TBM-CO	SNL0160139	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QUANTERRA
TA3/5-78-UD-AH-0	020207-01	F	0	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-UD-AH-0	020207-01	F	0	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020207-01	F	0	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	2,4-Dinitrotoluene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Acenaphthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Acenaphthylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzo(a)anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzo(a)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzo(b)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzo(ghi)perylene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzo(k)fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzoic acid	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Benzyl alcohol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Bromophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Butylbenzyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Carbazole	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chloro-3-methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chlorobenzenamine, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chloroethoxy)methane, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chloroethyl)ether, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chloronaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chlorophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chlorophenyl phenyl ether, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chloropropane), 2,2'-oxybis(1-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Chrysene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dibenz[a,h]anthracene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dibenzofuran	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dichlorobenzene, 1,2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dichlorobenzene, 1,3-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dichlorobenzene, 1,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dichlorobenzidine, 3,3'-	ug/kg	<660	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dichlorphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Diethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dimethylphenol, 2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dimethylphthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Di-n-butyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dinitro-o-cresol, 4,6-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dinitrophenol, 2,4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Dinitrotoluene, 2,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Di-n-octyl phthalate	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Ethylhexyl)phthalate, bis(2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Fluoranthene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Fluorene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Hexachlorobenzene	ug/kg	<330	U	SOIL	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-UD-AH-0	020208-01	F	4	Hexachlorobutadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Hexachlorocyclopentadiene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Hexachloroethane	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Indeno(1,2,3-c,d)pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Isophorone	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Methylnaphthalene, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Methylphenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Methylphenol, 4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Naphthalene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitroaniline, 2-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitroaniline, 3-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitrobenzenamine, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitro-benzene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitrophenol, 2-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitrophenol, 4-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitrosodiphenylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Nitrosodipropylamine, n-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Pentachlorophenol	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Phenanthrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Phenol	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Pyrene	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Trichlorobenzene, 1,2,4-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Trichlorophenol, 2,4,5-	ug/kg	<1600	U	SOIL	QARV
TA3/5-78-UD-AH-0	020208-01	F	4	Trichlorophenol, 2,4,6-	ug/kg	<330	U	SOIL	QARV
TA3/5-78-EB	SNL0160102	EB	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	2,4-Dinitrotoluene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	2,4-Dinitrotoluene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Acenaphthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Acenaphthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Acenaphthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Acenaphthylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Acenaphthylene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Acenaphthylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzo(a)anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzo(a)anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzo(a)anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzo(a)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzo(a)pyrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzo(a)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzo(b)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzo(b)fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzo(b)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzo(ghi)perylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzo(ghi)perylene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzo(ghi)perylene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzo(k)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzo(k)fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzo(k)fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Benzoic acid	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzoic acid	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzoic acid	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Benzyl alcohol	ug/L	<10	U	AQUEOUS	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-EB	SNL0160102	EB	0	Benzyl alcohol	ug/L	2.8	J	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Benzyl alcohol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Butylbenzyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Butylbenzyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Butylbenzyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Carbazole	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Carbazole	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Carbazole	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Chlorobenzenamine, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chlorobenzenamine, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Chlorobenzenamine, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Chloronaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chloronaphthalene, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Chloronaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Chlorophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chlorophenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Chlorophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Chloropropane), 2,2'-oxybis(1-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	020220-03	EB	0	Chrysene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Chrysene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Chrysene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dibenz[a,h]anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dibenz[a,h]anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dibenz[a,h]anthracene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dibenzofuran	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dibenzofuran	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dibenzofuran	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorobenzene, 1,2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dichlorobenzene, 1,2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorobenzene, 1,2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorobenzene, 1,3-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dichlorobenzene, 1,3-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorobenzene, 1,3-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160195	EB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorodiisopropyl ether, 2,2'-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorodiisopropyl ether, 2,2'-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dichlorphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-EB	020220-03	EB	0	Dichlorphenol, 2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dichlorphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Diethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Diethylphthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Diethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dimethylphenol, 2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Dimethylphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Dimethylphenol, 2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dimethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dimethylphthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dimethylphthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Di-n-butyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Di-n-butyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Di-n-butyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dinitrophenol, 2,4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dinitrophenol, 2,4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dinitrophenol, 2,4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Dinitrotoluene, 2,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Dinitrotoluene, 2,6-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Dinitrotoluene, 2,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Di-n-octyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Di-n-octyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Di-n-octyl phthalate	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Ethylhexyl)phthalate, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Ethylhexyl)phthalate, bis(2-	ug/L	2.8	J	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Ethylhexyl)phthalate, bis(2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Fluoranthene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Fluorene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Fluorene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Fluorene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Hexachlorobenzene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160195	EB	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Hexachlorobenzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Hexachlorobutadiene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160195	EB	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Hexachlorobutadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Hexachlorocyclopentadiene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Hexachlorocyclopentadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Hexachlorocyclopentadiene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Hexachloroethane	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160158	EB	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Hexachloroethane	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Isophorone	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Isophorone	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Isophorone	ug/L	<10	U	WATER	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-EB	020220-03	EB	0	Methylnaphthalene, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Methylnaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Methylnaphthalene, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Methylphenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Methylphenol, 2-	ug/L	2.1	J	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Methylphenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160158	EB	0	Methylphenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Methylphenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Methylphenol, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Methylphenol, 4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Naphthalene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Naphthalene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Naphthalene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitroaniline, 2-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Nitroaniline, 2-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitroaniline, 2-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitroaniline, 3-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitroaniline, 3-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitroaniline, 3-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitrobenzenamine, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitrobenzenamine, 4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitrobenzenamine, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitro-benzene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitro-benzene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitrophenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Nitrophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitrophenol, 2-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitrophenol, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitrophenol, 4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitrophenol, 4-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitrosodiphenylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitrosodiphenylamine, n-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitrosodiphenylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Nitrosodipropylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Nitrosodipropylamine, n-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Nitrosodipropylamine, n-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Pentachlorophenol	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160158	EB	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Pentachlorophenol	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Phenanthrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Phenanthrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Phenanthrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Phenol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Phenol	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Phenol	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Pyrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Pyrene	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Pyridine	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Pyridine	ug/L	<20	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Pyridine	ug/L	<20	U	WATER	QUANTERRA

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-EB	SNL0160102	EB	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-EB	SNL0160102	EB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-SW QUA	SNL0160214	EB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160102	EB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160195	EB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	SNL0160158	EB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-EB	020220-03	EB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-SW QUA	SNL0160214	EB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	WATER	QUANTERRA
TA3/5-78-FB	020221-03	FB	0	2,4-Dinitrotoluene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Acenaphthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Acenaphthylene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzo(a)anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzo(a)pyrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzo(b)fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzo(ghi)perylene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzo(k)fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzoic acid	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Benzyl alcohol	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Bromophenyl phenyl ether, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Butylbenzyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Carbazole	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chloro-3-methylphenol, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chlorobenzenamine, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chloroethoxy)methane, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chloroethyl)ether, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chloronaphthalene, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chlorophenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chlorophenyl phenyl ether, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chloropropane), 2,2'-oxybis(1-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Chrysene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dibenz[a,h]anthracene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dibenzofuran	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dichlorobenzene, 1,2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dichlorobenzene, 1,3-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dichlorobenzene, 1,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dichlorobenzidine, 3,3'-	ug/L	<20	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dichlorphenol, 2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Diethylphthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dimethylphenol, 2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dimethylphthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Di-n-butyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dinitro-o-cresol, 4,6-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dinitrophenol, 2,4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Dinitrotoluene, 2,6-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Di-n-octyl phthalate	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Ethylhexyl)phthalate, bis(2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Fluoranthene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Fluorene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Hexachlorobenzene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Hexachlorobutadiene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Hexachlorocyclopentadiene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Hexachloroethane	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Indeno(1,2,3-c,d)pyrene	ug/L	<10	U	AQUEOUS	QARV

ER Site 78 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-78-FB	020221-03	FB	0	Isophorone	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Methylnaphthalene, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Methylphenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Methylphenol, 4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Naphthalene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitroaniline, 2-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitroaniline, 3-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitrobenzenamine, 4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitro-benzene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitrophenol, 2-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitrophenol, 4-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitrosodiphenylamine, n-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Nitrosodipropylamine, n-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Pentachlorophenol	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Phenanthrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Phenol	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Pyrene	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Trichlorobenzene, 1,2,4-	ug/L	<10	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Trichlorophenol, 2,4,5-	ug/L	<50	U	AQUEOUS	QARV
TA3/5-78-FB	020221-03	FB	0	Trichlorophenol, 2,4,6-	ug/L	<10	U	AQUEOUS	QARV

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-01	SNL0160330	F	0	Actinium-227	pCi/g	<2.61	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Actinium-228	pCi/g	4.98		0.146	SOIL
TA3/5-78-01	SNL0160330	F	0	Americium-241	pCi/g	<.437	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Antimony-124	pCi/g	<.0439	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Antimony-125	pCi/g	<.12	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Barium-133	pCi/g	<.0682	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Barium-140	pCi/g	<.219	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Beryllium-7	pCi/g	.439		0.123	SOIL
TA3/5-78-01	SNL0160330	F	0	Bismuth-207	pCi/g	<.0406	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Bismuth-212	pCi/g	5.36		0.27	SOIL
TA3/5-78-01	SNL0160330	F	0	Bismuth-214	pCi/g	.564		0.0379	SOIL
TA3/5-78-01	SNL0160330	F	0	Cadmium-109	pCi/g	<1.45	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cerium-139	pCi/g	<.0467	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cerium-144	pCi/g	<.384	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cesium-134	pCi/g	<.0569	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cesium-137	pCi/g	.195		0.016	SOIL
TA3/5-78-01	SNL0160330	F	0	Chromium-51	pCi/g	<.381	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cobalt-56	pCi/g	<.0435	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cobalt-57	pCi/g	<.0487	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cobalt-58	pCi/g	<.0425	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Cobalt-60	pCi/g	<.0444	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Copper-64	pCi/g	<37000	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Europium-152	pCi/g	<.334	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Europium-154	pCi/g	<.31	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Europium-155	pCi/g	<.17	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Gadolinium-153	pCi/g	<.177	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Iodine-131	pCi/g	<.069	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Iridium-192	pCi/g	<.04	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Iron-59	pCi/g	<.0899	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Lanthanum-140	pCi/g	<.911	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Lead-210	pCi/g	<42.3	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Lead-212	pCi/g	4.58		0.35	SOIL
TA3/5-78-01	SNL0160330	F	0	Lead-214	pCi/g	.608		0.0501	SOIL
TA3/5-78-01	SNL0160330	F	0	Manganese-54	pCi/g	<.0367	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Mercury-203	pCi/g	<.049	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Neptunium-237	pCi/g	<.417	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Niobium-95	pCi/g	<1.17	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Potassium-40	pCi/g	17.8		0.524	SOIL
TA3/5-78-01	SNL0160330	F	0	Protactinium-231	pCi/g	<1.71	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Protactinium-233	pCi/g	<.0823	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Radium-224	pCi/g	5.33		0.497	SOIL
TA3/5-78-01	SNL0160330	F	0	Radium-226	pCi/g	.961		0.281	SOIL
TA3/5-78-01	SNL0160330	F	0	Radium-228	pCi/g	5.02		0.182	SOIL
TA3/5-78-01	SNL0160330	F	0	Ruthenium-103	pCi/g	<.0445	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Ruthenium-106	pCi/g	<.431	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Scandium-46	pCi/g	<.0588	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Silver-110	pCi/g	<.0604	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Sodium-22	pCi/g	<.0487	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Sodium-24	pCi/g	<47.5	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thallium-201	pCi/g	<.888	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thallium-208	pCi/g	1.6		0.0558	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-227	pCi/g	<.745	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-228	pCi/g	<4.84	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-229	pCi/g	<.361	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-231	pCi/g	1.39		0.125	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-232	pCi/g	<46.2	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Thorium-234	pCi/g	4.14		0.268	SOIL
TA3/5-78-01	SNL0160330	F	0	Uranium-234	pCi/g	<17.9	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Uranium-235	pCi/g	<.363	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-01	SNL0160330	F	0	Uranium-238	pCi/g	<4.91	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Xenon-133,-133M	pCi/g	<1.7	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Yttrium-88	pCi/g	<.0493	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Zinc-65	pCi/g	<.112	U	9999.9999	SOIL
TA3/5-78-01	SNL0160330	F	0	Zirconium-95	pCi/g	<.0876	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Actinium-227	pCi/g	<6.26	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Actinium-228	pCi/g	29.6		0.725	SOIL
TA3/5-78-02	SNL0160331	F	0	Americium-241	pCi/g	<1.08	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Antimony-124	pCi/g	<.109	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Antimony-125	pCi/g	<.296	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Barium-133	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Barium-140	pCi/g	<.554	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Beryllium-7	pCi/g	1		0.257	SOIL
TA3/5-78-02	SNL0160331	F	0	Bismuth-207	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Bismuth-212	pCi/g	30		0.976	SOIL
TA3/5-78-02	SNL0160331	F	0	Bismuth-214	pCi/g	<.251	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cadmium-109	pCi/g	<3.38	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cerium-139	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cerium-144	pCi/g	<.95	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cesium-134	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cesium-137	pCi/g	.231		0.0395	SOIL
TA3/5-78-02	SNL0160331	F	0	Chromium-51	pCi/g	<.927	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cobalt-56	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cobalt-57	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cobalt-58	pCi/g	<.0978	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Cobalt-60	pCi/g	<.0961	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Copper-64	pCi/g	<96400	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Europium-152	pCi/g	<.844	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Europium-154	pCi/g	<.822	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Europium-155	pCi/g	<.44	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Gadolinium-153	pCi/g	<.452	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Iodine-131	pCi/g	<.17	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Iridium-192	pCi/g	<.0995	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Iron-59	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Lanthanum-140	pCi/g	<2.46	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Lead-210	pCi/g	<106	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Lead-212	pCi/g	27.5		2.09	SOIL
TA3/5-78-02	SNL0160331	F	0	Lead-214	pCi/g	.426		0.0724	SOIL
TA3/5-78-02	SNL0160331	F	0	Manganese-54	pCi/g	<.0734	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Mercury-203	pCi/g	<.124	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Niobium-95	pCi/g	<3.37	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Potassium-40	pCi/g	10.9		0.458	SOIL
TA3/5-78-02	SNL0160331	F	0	Protactinium-231	pCi/g	<4.2	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Protactinium-233	pCi/g	<.2	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Radium-224	pCi/g	28.7		2.26	SOIL
TA3/5-78-02	SNL0160331	F	0	Radium-226	pCi/g	<2.49	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Radium-228	pCi/g	29.4		0.777	SOIL
TA3/5-78-02	SNL0160331	F	0	Ruthenium-103	pCi/g	<.112	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Ruthenium-106	pCi/g	<1.09	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Scandium-46	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Silver-110	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Sodium-22	pCi/g	<.0942	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Sodium-24	pCi/g	<131	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Thallium-201	pCi/g	<2.31	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Thallium-208	pCi/g	9.08		0.286	SOIL
TA3/5-78-02	SNL0160331	F	0	Thorium-227	pCi/g	<2.11	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Thorium-228	pCi/g	46		3.12	SOIL
TA3/5-78-02	SNL0160331	F	0	Thorium-229	pCi/g	<.974	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Thorium-231	pCi/g	7.33		0.498	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-02	SNL0160331	F	0	Thorium-232	pCi/g	<96.2	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Thorium-234	pCi/g	22.4		0.97	SOIL
TA3/5-78-02	SNL0160331	F	0	Uranium-234	pCi/g	<43.3	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Uranium-235	pCi/g	<.863	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Uranium-238	pCi/g	<10.1	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Xenon-133,-133M	pCi/g	<4.62	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Yttrium-88	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Zinc-65	pCi/g	<.201	U	9999.9999	SOIL
TA3/5-78-02	SNL0160331	F	0	Zirconium-95	pCi/g	<.242	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Actinium-227	pCi/g	<9.28	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Actinium-228	pCi/g	73		1.68	SOIL
TA3/5-78-03	SNL0160332	F	0	Americium-241	pCi/g	<1.57	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Antimony-124	pCi/g	<.157	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Antimony-125	pCi/g	<.424	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Barium-133	pCi/g	<.191	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Barium-140	pCi/g	<.802	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Beryllium-7	pCi/g	<1.06	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Bismuth-207	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Bismuth-212	pCi/g	76.1		2.03	SOIL
TA3/5-78-03	SNL0160332	F	0	Bismuth-214	pCi/g	.948		0.107	SOIL
TA3/5-78-03	SNL0160332	F	0	Cadmium-109	pCi/g	<5.14	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cerium-139	pCi/g	<.166	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cerium-144	pCi/g	<1.4	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cesium-134	pCi/g	<.16	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cesium-137	pCi/g	.042		0.0434	SOIL
TA3/5-78-03	SNL0160332	F	0	Chromium-51	pCi/g	<1.35	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cobalt-56	pCi/g	<.146	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cobalt-57	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cobalt-58	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Cobalt-60	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Copper-64	pCi/g	<152000	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Europium-152	pCi/g	<1.2	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Europium-154	pCi/g	<1.2	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Europium-155	pCi/g	<.684	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Gadolinium-153	pCi/g	<.66	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Iodine-131	pCi/g	<.251	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Iridium-192	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Iron-59	pCi/g	<.265	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Lanthanum-140	pCi/g	<3.67	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Lead-210	pCi/g	<153	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Lead-212	pCi/g	64.4		4.87	SOIL
TA3/5-78-03	SNL0160332	F	0	Lead-214	pCi/g	.696		0.098	SOIL
TA3/5-78-03	SNL0160332	F	0	Mercury-203	pCi/g	<.179	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Niobium-95	pCi/g	<4.85	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Potassium-40	pCi/g	18.8		0.654	SOIL
TA3/5-78-03	SNL0160332	F	0	Protactinium-231	pCi/g	<6.02	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Protactinium-233	pCi/g	<.292	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Radium-224	pCi/g	66.7		5.18	SOIL
TA3/5-78-03	SNL0160332	F	0	Radium-226	pCi/g	<3.69	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Radium-228	pCi/g	70.3		1.77	SOIL
TA3/5-78-03	SNL0160332	F	0	Ruthenium-103	pCi/g	<.16	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Ruthenium-106	pCi/g	<1.56	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Scandium-46	pCi/g	.178		0.0396	SOIL
TA3/5-78-03	SNL0160332	F	0	Silver-110	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Sodium-22	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Sodium-24	pCi/g	<204	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Thallium-201	pCi/g	<3.41	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Thallium-208	pCi/g	22.2		0.687	SOIL
TA3/5-78-03	SNL0160332	F	0	Thorium-227	pCi/g	<2.99	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-03	SNL0160332	F	0	Thorium-228	pCi/g	119		6.43	SOIL
TA3/5-78-03	SNL0160332	F	0	Thorium-229	pCi/g	<1.45	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Thorium-231	pCi/g	19		1.02	SOIL
TA3/5-78-03	SNL0160332	F	0	Thorium-232	pCi/g	<166	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Thorium-234	pCi/g	62.7		2.19	SOIL
TA3/5-78-03	SNL0160332	F	0	Uranium-234	pCi/g	<63.4	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Uranium-235	pCi/g	<1.28	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Uranium-238	pCi/g	<14.1	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Xenon-133,-133M	pCi/g	<6.7	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Yttrium-88	pCi/g	<.161	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Zinc-65	pCi/g	<.274	U	9999.9999	SOIL
TA3/5-78-03	SNL0160332	F	0	Zirconium-95	pCi/g	<.346	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Actinium-227	pCi/g	<8.29	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Actinium-228	pCi/g	59.3		1.38	SOIL
TA3/5-78-03D	SNL0160333	F	0	Americium-241	pCi/g	<1.45	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Antimony-124	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Antimony-125	pCi/g	<.384	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Barium-133	pCi/g	<.172	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Barium-140	pCi/g	<.735	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Beryllium-7	pCi/g	<1.1	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Bismuth-207	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Bismuth-212	pCi/g	62		1.7	SOIL
TA3/5-78-03D	SNL0160333	F	0	Bismuth-214	pCi/g	<.316	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cadmium-109	pCi/g	<4.63	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cerium-139	pCi/g	<.15	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cerium-144	pCi/g	<1.26	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cesium-134	pCi/g	<.144	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cesium-137	pCi/g	.142		0.0462	SOIL
TA3/5-78-03D	SNL0160333	F	0	Chromium-51	pCi/g	<1.21	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cobalt-56	pCi/g	<.131	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cobalt-57	pCi/g	<.155	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cobalt-58	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Cobalt-60	pCi/g	<.125	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Copper-64	pCi/g	<155000	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Europium-152	pCi/g	<1.07	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Europium-154	pCi/g	<1.09	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Europium-155	pCi/g	<.617	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Gadolinium-153	pCi/g	<.598	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Indium-115M	pCi/g	<1.93	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Iodine-131	pCi/g	<.227	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Iridium-192	pCi/g	<.13	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Iron-59	pCi/g	<.24	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Lanthanum-140	pCi/g	<3.41	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Lead-210	pCi/g	<138	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Lead-212	pCi/g	53.7		4.07	SOIL
TA3/5-78-03D	SNL0160333	F	0	Lead-214	pCi/g	.641		0.0961	SOIL
TA3/5-78-03D	SNL0160333	F	0	Manganese-54	pCi/g	<.0933	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Mercury-203	pCi/g	<.163	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Niobium-95	pCi/g	<4.5	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Potassium-40	pCi/g	15.2		0.577	SOIL
TA3/5-78-03D	SNL0160333	F	0	Protactinium-231	pCi/g	<5.45	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Protactinium-233	pCi/g	<.261	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Radium-224	pCi/g	56.2		4.31	SOIL
TA3/5-78-03D	SNL0160333	F	0	Radium-226	pCi/g	<3.34	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Radium-228	pCi/g	57.9		1.46	SOIL
TA3/5-78-03D	SNL0160333	F	0	Ruthenium-103	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Ruthenium-106	pCi/g	<1.4	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Scandium-46	pCi/g	<.124	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Silver-110	pCi/g	<.159	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-03D	SNL0160333	F	0	Sodium-22	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Sodium-24	pCi/g	<202	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thallium-201	pCi/g	<3.15	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thallium-208	pCi/g	18.1		0.559	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-227	pCi/g	<2.73	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-228	pCi/g	106		6.01	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-229	pCi/g	<1.34	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-231	pCi/g	16.8		0.957	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-232	pCi/g	<135	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Thorium-234	pCi/g	53.8		1.96	SOIL
TA3/5-78-03D	SNL0160333	F	0	Uranium-234	pCi/g	<57	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Uranium-235	pCi/g	<1.15	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Uranium-238	pCi/g	.471		3.15	SOIL
TA3/5-78-03D	SNL0160333	F	0	Xenon-133,-133M	pCi/g	<6.31	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Yttrium-88	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Zinc-65	pCi/g	<.249	U	9999.9999	SOIL
TA3/5-78-03D	SNL0160333	F	0	Zirconium-95	pCi/g	<.313	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Actinium-227	pCi/g	<.72	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Actinium-228	pCi/g	.536		0.092	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Americium-241	pCi/g	<.0723	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Antimony-124	pCi/g	<.0124	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Antimony-125	pCi/g	<.0298	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Antimony-126	pCi/g	<.0134	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Barium-133	pCi/g	<.0144	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Barium-140	pCi/g	<.048	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Beryllium-7	pCi/g	<.0964	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Bismuth-207	pCi/g	<.0139	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Bismuth-212	pCi/g	.322		0.185	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Bismuth-214	pCi/g	.476		0.0543	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cadmium-109	pCi/g	<.383	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cerium-139	pCi/g	<.0125	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cerium-144	pCi/g	<.0743	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cesium-134	pCi/g	<.0118	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cesium-137	pCi/g	<.0148	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Chromium-51	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cobalt-56	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cobalt-57	pCi/g	<.01	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cobalt-58	pCi/g	<.0128	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Cobalt-60	pCi/g	<.0194	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Copper-64	pCi/g	<247	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Europium-152	pCi/g	<.0301	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Europium-154	pCi/g	<.0689	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Europium-155	pCi/g	<.0441	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Gadolinium-153	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Iodine-131	pCi/g	<.0164	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Iridium-192	pCi/g	<.0125	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Iron-59	pCi/g	<.0353	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Lanthanum-140	pCi/g	<.0337	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Lead-212	pCi/g	.482		0.0366	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Lead-214	pCi/g	.438		0.0463	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Manganese-54	pCi/g	<.0155	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Mercury-203	pCi/g	<.0137	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Neptunium-237	pCi/g	<.0822	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Niobium-95	pCi/g	<.0828	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160375	F	1	Plutonium-238	pCi/g	<.003	U	0.014	SOIL
TA3/5-78-10A-1	SNL0160375	F	1	Plutonium-239/240	pCi/g	<.007	U	0.014	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-10A-1	SNL0160334	F	1	Potassium-40	pCi/g	14.9		0.681	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Protactinium-231	pCi/g	<.542	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Protactinium-233	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Radium-224	pCi/g	.617		0.468	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Radium-226	pCi/g	.331		0.189	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Radium-228	pCi/g	.594		0.102	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Ruthenium-103	pCi/g	<.00916	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Ruthenium-106	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Scandium-46	pCi/g	<.0135	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Silver-110	pCi/g	<.0114	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Sodium-22	pCi/g	<.0168	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Sodium-24	pCi/g	<.344	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Strontium-85	pCi/g	<.0102	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Tantalum-182	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thallium-201	pCi/g	<.191	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thallium-208	pCi/g	.467		0.0683	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-227	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-228	pCi/g	.48		0.0365	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-229	pCi/g	<.0549	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160377	F	1	Thorium-230	pCi/g	.57		0.098	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-231	pCi/g	<.164	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-232	pCi/g	.594		0.102	SOIL
TA3/5-78-10A-1	SNL0160377	F	1	Thorium-232	pCi/g	.49		0.092	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Thorium-234	pCi/g	<.224	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Tin-113	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160376	F	1	Uranium-233/234	pCi/g	2.4	B	0.47	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Uranium-234	pCi/g	<5.49	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Uranium-235	pCi/g	<.0266	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160376	F	1	Uranium-235	pCi/g	.21		0.068	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Uranium-238	pCi/g	<.234	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160376	F	1	Uranium-238	pCi/g	13		2.4	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Xenon-133,-133M	pCi/g	<.0497	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Yttrium-88	pCi/g	<.0163	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Zinc-65	pCi/g	<.0342	U	9999.9999	SOIL
TA3/5-78-10A-1	SNL0160334	F	1	Zirconium-95	pCi/g	<.0261	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Actinium-227	pCi/g	<.94	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Actinium-228	pCi/g	.68		0.125	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Americium-241	pCi/g	<.0803	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Antimony-124	pCi/g	<.0136	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Antimony-125	pCi/g	<.038	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Antimony-126	pCi/g	<.0214	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Barium-133	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Barium-140	pCi/g	<.0593	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Beryllium-7	pCi/g	<.135	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Bismuth-207	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Bismuth-212	pCi/g	.424		0.189	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Bismuth-214	pCi/g	.567		0.0694	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cadmium-109	pCi/g	<.447	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cerium-139	pCi/g	<.0162	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cerium-144	pCi/g	<.0855	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cesium-134	pCi/g	<.0152	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cesium-137	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Chromium-51	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cobalt-56	pCi/g	<.0254	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cobalt-57	pCi/g	<.0111	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cobalt-58	pCi/g	<.0153	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Cobalt-60	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Copper-64	pCi/g	<268	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Europium-152	pCi/g	<.0326	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-10B-5	SNL0160335	F	5	Europium-154	pCi/g	<.0817	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Europium-155	pCi/g	<.0591	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Gadolinium-153	pCi/g	<.0353	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Iodine-131	pCi/g	<.0212	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Iridium-192	pCi/g	<.0142	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Iron-59	pCi/g	<.0311	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Lanthanum-140	pCi/g	<.0397	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Lead-212	pCi/g	.619		0.0455	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Lead-214	pCi/g	.564		0.0658	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Manganese-54	pCi/g	<.022	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Mercury-203	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Neptunium-237	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Niobium-95	pCi/g	<.0995	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160378	F	5	Plutonium-238	pCi/g	<.001	U	0.018	SOIL
TA3/5-78-10B-5	SNL0160378	F	5	Plutonium-239/240	pCi/g	<-.004	U	0.009	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Potassium-40	pCi/g	15.5		0.776	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Protactinium-231	pCi/g	<.705	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Protactinium-233	pCi/g	<.0307	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Radium-226	pCi/g	.487		0.232	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Radium-228	pCi/g	.754		0.139	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Ruthenium-103	pCi/g	<.0137	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Ruthenium-106	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Scandium-46	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Silver-110	pCi/g	<.0162	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Sodium-22	pCi/g	<.0241	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Sodium-24	pCi/g	<.515	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Strontium-85	pCi/g	<.014	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Tantalum-182	pCi/g	<.138	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thallium-201	pCi/g	<.239	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thallium-208	pCi/g	.64		0.102	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-227	pCi/g	<.12	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-228	pCi/g	.616		0.0453	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-229	pCi/g	<.0641	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160380	F	5	Thorium-230	pCi/g	.58		0.11	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-231	pCi/g	<.183	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-232	pCi/g	.754		0.139	SOIL
TA3/5-78-10B-5	SNL0160380	F	5	Thorium-232	pCi/g	.87		0.13	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Thorium-234	pCi/g	<.283	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Tin-113	pCi/g	<.019	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160381	F	5	Tritium	pCi/L	<180	U	160	SOIL
TA3/5-78-10B-5	SNL0160379	F	5	Uranium-233/234	pCi/g	.81	B	0.18	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Uranium-234	pCi/g	<6.37	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Uranium-235	pCi/g	<.033	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160379	F	5	Uranium-235	pCi/g	.026		0.02	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Uranium-238	pCi/g	<.291	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160379	F	5	Uranium-238	pCi/g	2.5	B	0.48	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Xenon-133,-133M	pCi/g	<.0576	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Yttrium-88	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Zinc-65	pCi/g	<.046	U	9999.9999	SOIL
TA3/5-78-10B-5	SNL0160335	F	5	Zirconium-95	pCi/g	<.0307	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Actinium-227	pCi/g	<.742	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Actinium-228	pCi/g	.625		0.0904	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Americium-241	pCi/g	<.0668	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Antimony-124	pCi/g	<.0117	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Antimony-125	pCi/g	<.035	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Antimony-126	pCi/g	<.0166	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-11A-1	SNL0160336	F	1	Barium-133	pCi/g	<.0159	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Barium-140	pCi/g	<.0497	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Beryllium-7	pCi/g	.0953		0.106	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Bismuth-207	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Bismuth-212	pCi/g	.308		0.187	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Bismuth-214	pCi/g	.499		0.0556	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cadmium-109	pCi/g	<.353	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cerium-139	pCi/g	<.013	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cerium-144	pCi/g	<.0772	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cesium-134	pCi/g	<.0113	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cesium-137	pCi/g	.0184		0.0148	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Chromium-51	pCi/g	<.105	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cobalt-56	pCi/g	<.0198	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cobalt-57	pCi/g	<.00968	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cobalt-58	pCi/g	<.0129	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Cobalt-60	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Copper-64	pCi/g	<350	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Europium-152	pCi/g	<.0286	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Europium-154	pCi/g	<.0598	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Europium-155	pCi/g	<.0502	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Gadolinium-153	pCi/g	<.0304	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Iodine-131	pCi/g	<.0142	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Iridium-192	pCi/g	<.0138	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Iron-59	pCi/g	<.0331	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Lanthanum-140	pCi/g	<.039	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Lead-212	pCi/g	.534		0.0386	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Lead-214	pCi/g	.498		0.0527	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Manganese-54	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Mercury-203	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Neptunium-237	pCi/g	<.0905	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Niobium-95	pCi/g	<.0855	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Potassium-40	pCi/g	16		0.676	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Protactinium-231	pCi/g	<.59	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Protactinium-233	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Radium-226	pCi/g	.488		0.167	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Radium-228	pCi/g	.692		0.1	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Ruthenium-103	pCi/g	<.0127	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Ruthenium-106	pCi/g	<.107	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Scandium-46	pCi/g	<.0153	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Silver-110	pCi/g	<.0137	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Sodium-22	pCi/g	<.0176	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Sodium-24	pCi/g	<.477	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Strontium-85	pCi/g	<.00991	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Tantalum-182	pCi/g	<.117	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thallium-201	pCi/g	<.216	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thallium-208	pCi/g	.52		0.0663	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-227	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-228	pCi/g	.532		0.0385	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-229	pCi/g	<.0537	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160383	F	1	Thorium-230	pCi/g	.67		0.11	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-231	pCi/g	<.162	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-232	pCi/g	.692		0.1	SOIL
TA3/5-78-11A-1	SNL0160383	F	1	Thorium-232	pCi/g	.72		0.12	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Thorium-234	pCi/g	<.23	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Tin-113	pCi/g	<.0158	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160382	F	1	Uranium-233/234	pCi/g	.91	B	0.2	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-11A-1	SNL0160336	F	1	Uranium-234	pCi/g	<5.45	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Uranium-235	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160382	F	1	Uranium-235	pCi/g	.021		0.018	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Uranium-238	pCi/g	<.238	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160382	F	1	Uranium-238	pCi/g	1.8	B	0.36	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Xenon-133,-133M	pCi/g	<.0497	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Yttrium-88	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Zinc-65	pCi/g	<.0324	U	9999.9999	SOIL
TA3/5-78-11A-1	SNL0160336	F	1	Zirconium-95	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Actinium-227	pCi/g	<.85	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Actinium-228	pCi/g	.692		0.1	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Americium-241	pCi/g	<.0813	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Antimony-124	pCi/g	<.0131	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Antimony-125	pCi/g	<.0384	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Antimony-126	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Barium-133	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Barium-140	pCi/g	<.0556	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Beryllium-7	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Bismuth-207	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Bismuth-212	pCi/g	.344		0.206	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Bismuth-214	pCi/g	.572		0.0625	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cadmium-109	pCi/g	<.424	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cerium-139	pCi/g	<.0153	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cerium-144	pCi/g	<.0852	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cesium-134	pCi/g	<.0137	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cesium-137	pCi/g	.03		0.0189	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Chromium-51	pCi/g	<.126	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cobalt-56	pCi/g	<.0234	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cobalt-57	pCi/g	<.011	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cobalt-58	pCi/g	<.0146	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Cobalt-60	pCi/g	<.024	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Copper-64	pCi/g	<338	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Europium-152	pCi/g	<.0322	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Europium-154	pCi/g	<.083	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Europium-155	pCi/g	<.0563	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Gadolinium-153	pCi/g	<.0326	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Iodine-131	pCi/g	<.0168	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Iridium-192	pCi/g	<.0129	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Iron-59	pCi/g	<.0378	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Lanthanum-140	pCi/g	<.0415	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Lead-212	pCi/g	.626		0.0426	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Lead-214	pCi/g	.64		0.0645	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Manganese-54	pCi/g	<.0203	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Neptunium-237	pCi/g	<.088	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Niobium-95	pCi/g	<.0964	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Potassium-40	pCi/g	16.4		0.761	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Protactinium-231	pCi/g	<.691	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Protactinium-233	pCi/g	<.0336	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Radium-224	pCi/g	.965		0.631	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Radium-226	pCi/g	.472		0.18	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Radium-228	pCi/g	.767		0.111	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Ruthenium-103	pCi/g	<.0139	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Ruthenium-106	pCi/g	<.115	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Scandium-46	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Silver-110	pCi/g	<.0151	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Sodium-22	pCi/g	<.0215	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-11B-5	SNL0160337	F	5	Sodium-24	pCi/g	<.581	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Strontium-85	pCi/g	<.0132	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Tantalum-182	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thallium-201	pCi/g	<.236	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thallium-208	pCi/g	.563		0.0777	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-227	pCi/g	<.115	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-228	pCi/g	.624		0.0424	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-229	pCi/g	<.0627	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160385	F	5	Thorium-230	pCi/g	.57		0.11	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-231	pCi/g	.359		0.239	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-232	pCi/g	.767		0.111	SOIL
TA3/5-78-11B-5	SNL0160385	F	5	Thorium-232	pCi/g	.69		0.12	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Thorium-234	pCi/g	<.262	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Tin-113	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160386	F	5	Tritium	pCi/L	<240	U	160	SOIL
TA3/5-78-11B-5	SNL0160384	F	5	Uranium-233/234	pCi/g	.72	B	0.17	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Uranium-234	pCi/g	<6.63	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Uranium-235	pCi/g	<.0317	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160384	F	5	Uranium-235	pCi/g	.055		0.03	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Uranium-238	pCi/g	<.275	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160384	F	5	Uranium-238	pCi/g	1.6	B	0.33	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Xenon-133,-133M	pCi/g	<.0589	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Yttrium-88	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Zinc-65	pCi/g	<.0409	U	9999.9999	SOIL
TA3/5-78-11B-5	SNL0160337	F	5	Zirconium-95	pCi/g	<.0325	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Actinium-227	pCi/g	<.878	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Actinium-228	pCi/g	.575		0.119	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Americium-241	pCi/g	<.0704	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Antimony-124	pCi/g	<.0119	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Antimony-125	pCi/g	<.0367	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Antimony-126	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Barium-133	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Barium-140	pCi/g	<.0526	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Beryllium-7	pCi/g	<.109	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Bismuth-207	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Bismuth-212	pCi/g	.353		0.196	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Bismuth-214	pCi/g	.52		0.059	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cadmium-109	pCi/g	<.373	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cerium-139	pCi/g	<.0148	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cerium-144	pCi/g	<.0771	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cesium-134	pCi/g	<.0125	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cesium-137	pCi/g	<.0158	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Chromium-51	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cobalt-56	pCi/g	<.0225	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cobalt-57	pCi/g	<.0107	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cobalt-58	pCi/g	<.0145	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Cobalt-60	pCi/g	<.0215	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Copper-64	pCi/g	<335	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Europium-152	pCi/g	<.0308	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Europium-154	pCi/g	<.0699	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Europium-155	pCi/g	<.05	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Gadolinium-153	pCi/g	<.0328	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Iodine-131	pCi/g	<.0174	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Iridium-192	pCi/g	<.014	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Iron-59	pCi/g	<.0387	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Lanthanum-140	pCi/g	<.0552	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Lead-210	pCi/g	<0	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-12A-1	SNL0160338	F	1	Lead-212	pCi/g	.552		0.0419	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Lead-214	pCi/g	.582		0.0603	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Manganese-54	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Mercury-203	pCi/g	<.0148	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Niobium-95	pCi/g	<.0892	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160387	F	1	Plutonium-238	pCi/g	<-.02	U	0.002	SOIL
TA3/5-78-12A-1	SNL0160387	F	1	Plutonium-239/240	pCi/g	<0	U	0	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Potassium-40	pCi/g	16.5		0.721	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Protactinium-231	pCi/g	<.61	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Protactinium-233	pCi/g	<.0275	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Radium-224	pCi/g	.492		0.494	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Radium-226	pCi/g	.672		0.204	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Radium-228	pCi/g	.637		0.132	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Ruthenium-103	pCi/g	<.0124	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Ruthenium-106	pCi/g	<.116	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Scandium-46	pCi/g	<.0155	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Silver-110	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Sodium-22	pCi/g	<.0216	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Sodium-24	pCi/g	<.448	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Strontium-85	pCi/g	<.0115	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Tantalum-182	pCi/g	<.144	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thallium-201	pCi/g	<.245	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thallium-208	pCi/g	.505		0.0806	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-227	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-228	pCi/g	.55		0.0417	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-229	pCi/g	<.0583	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160389	F	1	Thorium-230	pCi/g	.52		0.1	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-231	pCi/g	<.168	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-232	pCi/g	.637		0.132	SOIL
TA3/5-78-12A-1	SNL0160389	F	1	Thorium-232	pCi/g	.72		0.13	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Thorium-234	pCi/g	<.243	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Tin-113	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160388	F	1	Uranium-233/234	pCi/g	.83	B	0.18	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Uranium-234	pCi/g	<5.33	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Uranium-235	pCi/g	<.0298	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160388	F	1	Uranium-235	pCi/g	.049		0.028	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Uranium-238	pCi/g	<.255	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160388	F	1	Uranium-238	pCi/g	1.8	B	0.35	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Xenon-133,-133M	pCi/g	<.0536	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Yttrium-88	pCi/g	<.0174	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Zinc-65	pCi/g	<.0353	U	9999.9999	SOIL
TA3/5-78-12A-1	SNL0160338	F	1	Zirconium-95	pCi/g	<.0254	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Actinium-227	pCi/g	<.913	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Actinium-228	pCi/g	.691		0.113	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Americium-241	pCi/g	<.0699	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Antimony-124	pCi/g	<.013	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Antimony-125	pCi/g	<.039	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Antimony-126	pCi/g	<.017	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Barium-133	pCi/g	<.0202	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Barium-140	pCi/g	<.0559	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Beryllium-7	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Bismuth-207	pCi/g	<.0153	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Bismuth-212	pCi/g	.342		0.16	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Bismuth-214	pCi/g	.553		0.0666	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cadmium-109	pCi/g	<.407	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cerium-139	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cerium-144	pCi/g	<.0872	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cesium-134	pCi/g	<.0129	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cesium-137	pCi/g	<.0231	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-12B-5	SNL0160339	F	5	Chromium-51	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cobalt-56	pCi/g	<.0246	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cobalt-57	pCi/g	<.01	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cobalt-58	pCi/g	<.018	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Cobalt-60	pCi/g	<.0239	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Copper-64	pCi/g	<506	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Europium-152	pCi/g	<.0296	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Europium-154	pCi/g	<.0723	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Europium-155	pCi/g	<.0547	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Gadolinium-153	pCi/g	<.0335	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Iodine-131	pCi/g	<.0179	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Iridium-192	pCi/g	<.0138	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Iron-59	pCi/g	<.0411	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Lanthanum-140	pCi/g	<.0645	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Lead-212	pCi/g	.585		0.0429	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Lead-214	pCi/g	.545		0.0618	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Manganese-54	pCi/g	<.0196	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Mercury-203	pCi/g	<.0164	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Niobium-95	pCi/g	<.103	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160390	F	5	Plutonium-238	pCi/g	<.026	U	0.028	SOIL
TA3/5-78-12B-5	SNL0160390	F	5	Plutonium-239/240	pCi/g	<-.006	U	0.001	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Potassium-40	pCi/g	16.2		0.767	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Protactinium-231	pCi/g	<.687	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Protactinium-233	pCi/g	<.0328	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Radium-224	pCi/g	.984		0.568	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Radium-226	pCi/g	.361		0.215	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Radium-228	pCi/g	.765		0.126	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Ruthenium-103	pCi/g	<.0141	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Ruthenium-106	pCi/g	<.131	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Scandium-46	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Silver-110	pCi/g	<.0151	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Sodium-22	pCi/g	<.0184	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Sodium-24	pCi/g	<.678	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Strontium-85	pCi/g	<.0123	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Tantalum-182	pCi/g	<.19	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thallium-201	pCi/g	<.253	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thallium-208	pCi/g	.544		0.0728	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-227	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-228	pCi/g	.583		0.0427	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-229	pCi/g	<.0657	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160392	F	5	Thorium-230	pCi/g	.63		0.11	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-231	pCi/g	<.184	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-232	pCi/g	.765		0.126	SOIL
TA3/5-78-12B-5	SNL0160392	F	5	Thorium-232	pCi/g	.72		0.12	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Thorium-234	pCi/g	<.232	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Tin-113	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160393	F	5	Tritium	pCi/L	370		160	SOIL
TA3/5-78-12B-5	SNL0160391	F	5	Uranium-233/234	pCi/g	.67	B	0.16	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Uranium-234	pCi/g	<6.45	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Uranium-235	pCi/g	<.0292	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160391	F	5	Uranium-235	pCi/g	<.019	U	0.02	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Uranium-238	pCi/g	<.264	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160391	F	5	Uranium-238	pCi/g	1.1	B	0.25	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Xenon-133,-133M	pCi/g	<.0567	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Yttrium-88	pCi/g	<.0203	U	9999.9999	SOIL
TA3/5-78-12B-5	SNL0160339	F	5	Zinc-65	pCi/g	<.0535	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-12B-5	SNL0160339	F	5	Zirconium-95	pCi/g	<.0311	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Actinium-227	pCi/g	<.848	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Actinium-228	pCi/g	.654		0.114	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Americium-241	pCi/g	<.0715	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Antimony-124	pCi/g	<.0125	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Antimony-125	pCi/g	<.0385	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Antimony-126	pCi/g	<.0205	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Barium-133	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Barium-140	pCi/g	<.0484	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Beryllium-7	pCi/g	<.0976	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Bismuth-207	pCi/g	<.0159	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Bismuth-212	pCi/g	.421		0.177	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Bismuth-214	pCi/g	.509		0.0598	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cadmium-109	pCi/g	<.403	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cerium-139	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cerium-144	pCi/g	<.0847	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cesium-134	pCi/g	<.0126	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cesium-137	pCi/g	<.0178	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Chromium-51	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cobalt-56	pCi/g	<.0235	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cobalt-57	pCi/g	<.0113	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cobalt-58	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Cobalt-60	pCi/g	<.0208	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Copper-64	pCi/g	<908	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Europium-152	pCi/g	<.0317	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Europium-154	pCi/g	<.0696	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Europium-155	pCi/g	<.0527	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Gadolinium-153	pCi/g	<.0346	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Iodine-131	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Iridium-192	pCi/g	<.0149	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Iron-59	pCi/g	<.0343	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Lanthanum-140	pCi/g	<.0637	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Lead-212	pCi/g	.541		0.0412	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Lead-214	pCi/g	.576		0.0671	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Manganese-54	pCi/g	<.021	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Mercury-203	pCi/g	<.0151	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Neptunium-237	pCi/g	<.103	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Niobium-95	pCi/g	<.0993	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Potassium-40	pCi/g	15.9		0.746	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Protactinium-231	pCi/g	<.618	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Protactinium-233	pCi/g	<.0333	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Radium-224	pCi/g	.709		0.514	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Radium-226	pCi/g	.441		0.211	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Radium-228	pCi/g	.725		0.126	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Ruthenium-103	pCi/g	<.0122	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Ruthenium-106	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Scandium-46	pCi/g	<.0144	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Silver-110	pCi/g	<.0158	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Sodium-22	pCi/g	<.0185	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Sodium-24	pCi/g	<1.27	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Strontium-85	pCi/g	<.0124	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Tantalum-182	pCi/g	<.135	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thallium-201	pCi/g	<.285	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thallium-208	pCi/g	.508		0.0933	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-227	pCi/g	<.108	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-228	pCi/g	.539		0.041	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-229	pCi/g	<.0594	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160395	F	5	Thorium-230	pCi/g	.49		0.096	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-231	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-232	pCi/g	.725		0.126	SOIL
TA3/5-78-14B-5	SNL0160395	F	5	Thorium-232	pCi/g	.58		0.11	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Thorium-234	pCi/g	<.251	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Tin-113	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160396	F	5	Tritium	pCi/L	280		160	SOIL
TA3/5-78-14B-5	SNL0160394	F	5	Uranium-233/234	pCi/g	.6		0.15	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Uranium-234	pCi/g	<5.73	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Uranium-235	pCi/g	<.0296	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160394	F	5	Uranium-235	pCi/g	.055		0.032	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Uranium-238	pCi/g	<.267	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160394	F	5	Uranium-238	pCi/g	1.1	B	0.25	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Xenon-133,-133M	pCi/g	<.0646	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Yttrium-88	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Zinc-65	pCi/g	<.0391	U	9999.9999	SOIL
TA3/5-78-14B-5	SNL0160340	F	5	Zirconium-95	pCi/g	<.0307	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Actinium-227	pCi/g	<.803	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Actinium-228	pCi/g	.796		0.104	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Americium-241	pCi/g	<.0716	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Antimony-124	pCi/g	<.0131	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Antimony-125	pCi/g	<.0326	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Antimony-126	pCi/g	<.018	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Barium-133	pCi/g	<.0172	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Barium-140	pCi/g	<.0547	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Beryllium-7	pCi/g	<.107	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Bismuth-207	pCi/g	<.0148	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Bismuth-212	pCi/g	.478		0.169	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Bismuth-214	pCi/g	.477		0.0668	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cerium-139	pCi/g	<.0139	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cerium-144	pCi/g	<.0798	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cesium-134	pCi/g	<.0117	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cesium-137	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Chromium-51	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cobalt-56	pCi/g	<.0212	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cobalt-57	pCi/g	<.0103	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cobalt-58	pCi/g	<.0133	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Cobalt-60	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Copper-64	pCi/g	<637	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Europium-152	pCi/g	<.0316	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Europium-154	pCi/g	<.0738	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Gadolinium-153	pCi/g	<.0321	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Iodine-131	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Iridium-192	pCi/g	<.013	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Iron-59	pCi/g	<.032	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Lanthanum-140	pCi/g	<.0645	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Lead-212	pCi/g	.641		0.0415	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Lead-214	pCi/g	.53		0.0503	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Manganese-54	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Neptunium-237	pCi/g	<.0959	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Niobium-95	pCi/g	<.103	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160397	F	1	Plutonium-238	pCi/g	<.042	U	0.046	SOIL
TA3/5-78-15A-1	SNL0160397	F	1	Plutonium-239/240	pCi/g	<.014	U	0.026	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Potassium-40	pCi/g	14		0.662	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Protactinium-231	pCi/g	<.603	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-15A-1	SNL0160341	F	1	Protactinium-233	pCi/g	<.0307	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Radium-224	pCi/g	1.8		0.634	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Radium-226	pCi/g	.453		0.163	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Radium-228	pCi/g	.882		0.116	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Ruthenium-103	pCi/g	<.011	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Ruthenium-106	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Scandium-46	pCi/g	<.0151	U	- 9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Silver-110	pCi/g	<.0136	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Sodium-22	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Sodium-24	pCi/g	<1.26	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Strontium-85	pCi/g	<.0123	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Tantalum-182	pCi/g	<.127	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thallium-201	pCi/g	<.266	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thallium-208	pCi/g	.601		0.0856	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-227	pCi/g	<.106	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-228	pCi/g	.638		0.0413	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-229	pCi/g	<.0601	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160399	F	1	Thorium-230	pCi/g	.72		0.12	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-231	pCi/g	<.169	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-232	pCi/g	.882		0.116	SOIL
TA3/5-78-15A-1	SNL0160399	F	1	Thorium-232	pCi/g	.91		0.13	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Thorium-234	pCi/g	<.234	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Tin-113	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160398	F	1	Uranium-233/234	pCi/g	.72		0.18	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Uranium-234	pCi/g	<6.06	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Uranium-235	pCi/g	<.0292	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160398	F	1	Uranium-235	pCi/g	.035		0.028	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Uranium-238	pCi/g	<.246	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160398	F	1	Uranium-238	pCi/g	1	B	0.24	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Xenon-133,-133M	pCi/g	<.0611	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Yttrium-88	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Zinc-65	pCi/g	<.0353	U	9999.9999	SOIL
TA3/5-78-15A-1	SNL0160341	F	1	Zirconium-95	pCi/g	<.0275	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Actinium-227	pCi/g	<.682	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Actinium-228	pCi/g	.472		0.0876	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Americium-241	pCi/g	<.0582	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Antimony-124	pCi/g	<.0112	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Antimony-125	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Antimony-126	pCi/g	<.0129	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Barium-133	pCi/g	<.0144	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Barium-140	pCi/g	<.0447	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Beryllium-7	pCi/g	<.0803	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Bismuth-207	pCi/g	<.0133	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Bismuth-212	pCi/g	.491		0.166	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Bismuth-214	pCi/g	.463		0.049	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cadmium-109	pCi/g	<.333	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cerium-139	pCi/g	<.0114	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cerium-144	pCi/g	<.0644	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cesium-134	pCi/g	<.0102	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cesium-137	pCi/g	<.0141	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Chromium-51	pCi/g	<.105	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cobalt-56	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cobalt-57	pCi/g	<.00879	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cobalt-58	pCi/g	<.013	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Cobalt-60	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Copper-64	pCi/g	<724	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Europium-152	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Europium-154	pCi/g	<.0602	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Europium-155	pCi/g	<.0409	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-15B-5	SNL0160342	F	5	Gadolinium-153	pCi/g	<.0269	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Iodine-131	pCi/g	<.0146	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Iridium-192	pCi/g	<.0108	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Iron-59	pCi/g	<.0334	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Lanthanum-140	pCi/g	<.0531	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Lead-212	pCi/g	.42		0.0319	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Lead-214	pCi/g	.445		0.0422	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Manganese-54	pCi/g	<.0135	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Mercury-203	pCi/g	<.0137	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Neptunium-237	pCi/g	<.0735	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Niobium-95	pCi/g	<.0846	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160400	F	5	Plutonium-238	pCi/g	<-.006	U	0.001	SOIL
TA3/5-78-15B-5	SNL0160400	F	5	Plutonium-239/240	pCi/g	<-.003	U	0	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Potassium-40	pCi/g	17		0.655	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Protactinium-231	pCi/g	<.484	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Protactinium-233	pCi/g	<.0256	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Radium-224	pCi/g	.424		0.419	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Radium-226	pCi/g	.248		0.13	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Radium-228	pCi/g	.523		0.097	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Ruthenium-103	pCi/g	<.0123	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Ruthenium-106	pCi/g	<.0974	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Scandium-46	pCi/g	<.0127	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Silver-110	pCi/g	<.0118	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Sodium-22	pCi/g	<.0162	U	.9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Sodium-24	pCi/g	<.813	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Strontium-85	pCi/g	<.00949	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Tantalum-182	pCi/g	<.106	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thallium-201	pCi/g	<.222	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thallium-208	pCi/g	.438		0.0628	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-227	pCi/g	<.0869	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-228	pCi/g	.418		0.0318	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-229	pCi/g	<.0482	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160402	F	5	Thorium-230	pCi/g	.46		0.092	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-231	pCi/g	<.152	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-232	pCi/g	.523		0.097	SOIL
TA3/5-78-15B-5	SNL0160402	F	5	Thorium-232	pCi/g	.5		0.096	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Thorium-234	pCi/g	<.197	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Tin-113	pCi/g	<.013	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160401	F	5	Uranium-233/234	pCi/g	.57	B	0.15	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Uranium-234	pCi/g	<4.64	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Uranium-235	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160401	F	5	Uranium-235	pCi/g	.036		0.03	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Uranium-238	pCi/g	<.217	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160401	F	5	Uranium-238	pCi/g	1	B	0.24	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Xenon-133,-133M	pCi/g	<.0531	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Yttrium-88	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Zinc-65	pCi/g	<.0327	U	9999.9999	SOIL
TA3/5-78-15B-5	SNL0160342	F	5	Zirconium-95	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-459-462,487	SNL0160374	F	0	Actinium-227	pCi/g	<.664	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Actinium-228	pCi/g	<.0405	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Americium-241	pCi/g	<.0324	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Antimony-124	pCi/g	<.0114	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Antimony-125	pCi/g	<.0278	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Antimony-126	pCi/g	<.0172	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Barium-133	pCi/g	<.0148	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Barium-140	pCi/g	<.0455	U	9999.9999	WATER

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-459-462,487	SNL0160374	F	0	Beryllium-7	pCi/g	<.0915	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Bismuth-207	pCi/g	<.00964	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Bismuth-212	pCi/g	<.0811	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Bismuth-214	pCi/g	<.0444	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cadmium-109	pCi/g	<.224	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cerium-139	pCi/g	<.011	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cerium-144	pCi/g	<.0565	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cesium-134	pCi/g	<.0103	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cesium-137	pCi/g	<.00938	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Chromium-51	pCi/g	<.0997	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cobalt-56	pCi/g	<.0235	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cobalt-57	pCi/g	<.00824	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cobalt-58	pCi/g	<.0129	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Cobalt-60	pCi/g	<.0105	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Europium-152	pCi/g	<.025	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Europium-154	pCi/g	<.0499	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Europium-155	pCi/g	<.0306	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Gadolinium-153	pCi/g	<.0228	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Holmium-166	pCi/g	<.0125	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Iodine-125	pCi/g	<0	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Iodine-129	pCi/g	<0	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Iodine-131	pCi/g	<.0199	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Iridium-192	pCi/g	<.0106	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Iron-59	pCi/g	<.0211	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Lanthanum-140	pCi/g	<.436	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Lead-210	pCi/g	<0	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Lead-212	pCi/g	.0284		0.0347	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Lead-214	pCi/g	.0683		0.0331	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Manganese-54	pCi/g	<.013	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Mercury-203	pCi/g	<.012	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Neptunium-237	pCi/g	<.0593	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Niobium-95	pCi/g	<.168	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160329	F	0	Plutonium-238	pCi/L	.052		0.031	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Plutonium-239	pCi/g	<108	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160329	F	0	Plutonium-239/240	pCi/L	.015		0.021	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Potassium-40	pCi/g	<.175	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Protactinium-231	pCi/g	<.365	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Protactinium-233	pCi/g	<.0261	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Radium-224	pCi/g	.343		0.418	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Radium-226	pCi/g	<.289	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Radium-228	pCi/g	<.0449	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Ruthenium-103	pCi/g	<.00988	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Ruthenium-106	pCi/g	<.0903	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Scandium-46	pCi/g	<.0123	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Silver-110	pCi/g	<.00924	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Sodium-22	pCi/g	<.0112	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Strontium-85	pCi/g	<.0118	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Tantalum-182	pCi/g	<.0701	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Tellurium-123M	pCi/g	<.0112	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thallium-201	pCi/g	<.583	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thallium-208	pCi/g	<.0321	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-227	pCi/g	<.0744	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Thorium-228	pCi/L	.37		0.08	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-228	pCi/g	<.0233	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-229	pCi/g	<.0428	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Thorium-230	pCi/L	.38		0.08	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-231	pCi/g	<.104	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Thorium-232	pCi/L	.3		0.06	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-232	pCi/g	<.0449	U	9999.9999	WATER

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-459-462,487	SNL0160374	F	0	Thorium-234	pCi/g	<.128	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Tin-113	pCi/g	<.0115	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Uranium-234	pCi/L	1.82		0.74	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Uranium-234	pCi/g	2.38		3.1	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Uranium-235	pCi/g	<.0167	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Uranium-235/236	pCi/L	.14		0.2	WATER
TA3/5-78-459-462,487	SNL0160328	F	0	Uranium-238	pCi/L	.96		0.51	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Uranium-238	pCi/g	<.128	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Xenon-133,-133M	pCi/g	<.0662	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Yttrium-88	pCi/g	<.0125	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Zinc-65	pCi/g	<.025	U	9999.9999	WATER
TA3/5-78-459-462,487	SNL0160374	F	0	Zirconium-95	pCi/g	<.0209	U	9999.9999	WATER
TA3/5-78-GCM	SNL0160349	F	0	Actinium-227	pCi/g	<1.06	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Actinium-228	pCi/g	.723		0.138	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Americium-241	pCi/g	<.0536	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Antimony-124	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Antimony-125	pCi/g	<.0507	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Antimony-126	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Argon-41	pCi/g	<.44	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Barium-133	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Barium-140	pCi/g	<.0604	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Beryllium-7	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Bismuth-207	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Bismuth-212	pCi/g	.52		0.213	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Bismuth-214	pCi/g	.396		0.0774	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cadmium-109	pCi/g	<.55	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cerium-139	pCi/g	<.0184	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cerium-144	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cesium-134	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cesium-137	pCi/g	.0673		0.0354	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Chromium-51	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cobalt-56	pCi/g	<.0225	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cobalt-57	pCi/g	<.0173	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cobalt-58	pCi/g	<.0203	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Cobalt-60	pCi/g	<.0326	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Copper-64	pCi/g	<11	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Europium-152	pCi/g	<.0524	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Europium-154	pCi/g	<.0916	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Europium-155	pCi/g	<.0735	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Gadolinium-153	pCi/g	<.0451	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Indium-115M	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Iodine-131	pCi/g	<.0179	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Iridium-192	pCi/g	<.0184	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Iron-59	pCi/g	<.0486	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Lanthanum-140	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Lead-210	pCi/g	.785		0.573	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Lead-212	pCi/g	.727		0.0566	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Lead-214	pCi/g	.457		0.0763	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Manganese-54	pCi/g	<.0188	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Manganese-56	pCi/g	<.156	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Mercury-203	pCi/g	<.0217	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Neptunium-237	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Niobium-95	pCi/g	<.0691	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160308	F	0	Plutonium-238	pCi/g	-.0009		0.0018	SOIL
TA3/5-78-GCM	SNL0160308	F	0	Plutonium-239/240	pCi/g	.0003		0.0012	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Potassium-40	pCi/g	15.1		0.786	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Protactinium-231	pCi/g	<.747	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-GCM	SNL0160349	F	0	Protactinium-233	pCi/g	<.0394	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Radium-226	pCi/g	1.26		0.527	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Radium-228	pCi/g	.801		0.153	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Ruthenium-103	pCi/g	<.0168	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Ruthenium-106	pCi/g	<.15	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Scandium-46	pCi/g	<.0176	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Silver-110	pCi/g	<.0181	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Sodium-22	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Sodium-24	pCi/g	<.0267	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Strontium-85	pCi/g	<.0199	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Tantalum-182	pCi/g	<.208	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Tellurium-123M	pCi/g	<.0179	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thallium-201	pCi/g	<.151	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thallium-208	pCi/g	.628		0.135	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-227	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Thorium-228	pCi/g	.019		0.009	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-228	pCi/g	.724		0.0563	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-229	pCi/g	<.0764	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Thorium-230	pCi/g	.05		0.01	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-231	pCi/g	<.231	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Thorium-232	pCi/g	.031		0.008	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-232	pCi/g	.801		0.153	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Thorium-234	pCi/g	.59		0.382	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Tin-113	pCi/g	<.0231	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160309	F	0	Tritium	pCi/g	.05		0.012	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Uranium-234	pCi/g	.48		0.09	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Uranium-234	pCi/g	<2.77	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Uranium-235	pCi/g	<.0343	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Uranium-235/236	pCi/g	.02		0.02	SOIL
TA3/5-78-GCM	SNL0160307	F	0	Uranium-238	pCi/g	.57		0.1	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Uranium-238	pCi/g	.589		0.381	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Xenon-133,-133M	pCi/g	<.0468	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Yttrium-88	pCi/g	<.0218	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Zinc-65	pCi/g	<.0568	U	9999.9999	SOIL
TA3/5-78-GCM	SNL0160349	F	0	Zirconium-95	pCi/g	<.0337	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Actinium-227	pCi/g	<.918	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Actinium-228	pCi/g	.612		0.117	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Americium-241	pCi/g	<.0478	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Antimony-124	pCi/g	<.0141	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Antimony-125	pCi/g	<.0428	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Antimony-126	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Argon-41	pCi/g	<.556	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Barium-133	pCi/g	<.0204	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Barium-140	pCi/g	<.0605	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Beryllium-7	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Bismuth-207	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Bismuth-212	pCi/g	<.188	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Bismuth-214	pCi/g	.487		0.0783	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cadmium-109	pCi/g	<.493	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cerium-139	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cerium-144	pCi/g	<.124	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cesium-134	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cesium-137	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Chromium-51	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cobalt-56	pCi/g	<.0188	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cobalt-57	pCi/g	<.0158	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cobalt-58	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Cobalt-60	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Copper-64	pCi/g	<11.5	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-GCM-CS	SNL0160350	F	0	Europium-152	pCi/g	<.0467	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Europium-154	pCi/g	<.0724	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Europium-155	pCi/g	<.0645	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Gadolinium-153	pCi/g	<.0394	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Indium-115M	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Iodine-131	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Iridium-192	pCi/g	<.016	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Iron-59	pCi/g	<.0471	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Lanthanum-140	pCi/g	<.0196	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Lead-210	pCi/g	.788		0.469	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Lead-212	pCi/g	.656		0.0504	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Lead-214	pCi/g	.513		0.0622	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Manganese-54	pCi/g	<.0168	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Manganese-56	pCi/g	<.179	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Mercury-203	pCi/g	<.0186	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Neptunium-237	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Niobium-95	pCi/g	<.063	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Potassium-40	pCi/g	16.2		0.735	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Protactinium-231	pCi/g	<.669	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Protactinium-233	pCi/g	<.0327	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Radium-226	pCi/g	1.04		0.609	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Radium-228	pCi/g	.678		0.13	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Ruthenium-103	pCi/g	<.0167	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Ruthenium-106	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Scandium-46	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Silver-110	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Sodium-22	pCi/g	<.0283	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Sodium-24	pCi/g	<.0263	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Strontium-85	pCi/g	<.016	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Tantalum-182	pCi/g	<.197	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Tellurium-123M	pCi/g	<.0157	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thallium-201	pCi/g	<.141	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thallium-208	pCi/g	.562		0.0838	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-227	pCi/g	<.137	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-228	pCi/g	.653		0.0501	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-229	pCi/g	<.0676	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-231	pCi/g	<.2	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-232	pCi/g	.678		0.13	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Thorium-234	pCi/g	.901		0.299	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Tin-113	pCi/g	<.0198	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Uranium-234	pCi/g	<2.41	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Uranium-235	pCi/g	<.0322	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Uranium-238	pCi/g	.9		0.299	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Xenon-133,-133M	pCi/g	<.043	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Yttrium-88	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Zinc-65	pCi/g	<.0491	U	9999.9999	SOIL
TA3/5-78-GCM-CS	SNL0160350	F	0	Zirconium-95	pCi/g	<.0306	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Actinium-227	pCi/g	<.936	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Actinium-228	pCi/g	.534		0.107	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Americium-241	pCi/g	<.0453	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Antimony-124	pCi/g	<.0149	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Antimony-125	pCi/g	<.0483	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Antimony-126	pCi/g	<.0151	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Argon-41	pCi/g	<.0469	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Barium-133	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Barium-140	pCi/g	<.0573	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Beryllium-7	pCi/g	<.135	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Bismuth-207	pCi/g	<.0155	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Bismuth-212	pCi/g	.36		0.171	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Bismuth-214	pCi/g	.473		0.0806	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cadmium-109	pCi/g	<.494	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cerium-139	pCi/g	<.0155	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cerium-144	pCi/g	<.118	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cesium-134	pCi/g	<.0164	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cesium-137	pCi/g	<.0196	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Chromium-51	pCi/g	<.131	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cobalt-56	pCi/g	<.0224	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cobalt-57	pCi/g	<.0151	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cobalt-58	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Cobalt-60	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Copper-64	pCi/g	<7.54	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Europium-152	pCi/g	<.0444	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Europium-154	pCi/g	<.0764	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Europium-155	pCi/g	<.0637	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Gadolinium-153	pCi/g	<.0404	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Indium-115M	pCi/g	<.0434	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Iodine-131	pCi/g	<.0155	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Iridium-192	pCi/g	<.0141	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Iron-59	pCi/g	<.0429	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Lanthanum-140	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Lead-212	pCi/g	.532		0.0455	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Lead-214	pCi/g	.509		0.0602	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Manganese-54	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Manganese-56	pCi/g	<.0364	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Mercury-203	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Niobium-95	pCi/g	<.0611	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Plutonium-239	pCi/g	<234	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Potassium-40	pCi/g	12.3		0.699	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Protactinium-231	pCi/g	<.668	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Protactinium-233	pCi/g	<.0341	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Radium-224	pCi/g	.807		0.592	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Radium-226	pCi/g	1.46		0.67	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Radium-228	pCi/g	.592		0.119	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Ruthenium-103	pCi/g	<.0149	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Ruthenium-106	pCi/g	<.13	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Scandium-46	pCi/g	<.0179	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Silver-110	pCi/g	<.017	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Sodium-22	pCi/g	<.0243	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Sodium-24	pCi/g	<.0235	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Strontium-85	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Tantalum-182	pCi/g	<.169	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Tellurium-123M	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thallium-201	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thallium-208	pCi/g	.491		0.0907	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-227	pCi/g	<.135	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-228	pCi/g	.53		0.0453	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-229	pCi/g	<.0677	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-231	pCi/g	<.2	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-232	pCi/g	.592		0.119	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Thorium-234	pCi/g	<.331	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Tin-113	pCi/g	<.0191	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Uranium-234	pCi/g	<2.48	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Uranium-235	pCi/g	<.032	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Uranium-238	pCi/g	<.33	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Xenon-133,-133M	pCi/g	<.0387	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Yttrium-88	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Zinc-65	pCi/g	<.0384	U	9999.9999	SOIL
TA3/5-78-GEO-PROBE	SNL0160352	F	0	Zirconium-95	pCi/g	<.0283	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Actinium-227	pCi/g	<1.43	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Actinium-228	pCi/g	2.66		0.21	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Americium-241	pCi/g	<.0743	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Antimony-124	pCi/g	<.0227	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Antimony-125	pCi/g	<.0632	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Antimony-126	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Argon-41	pCi/g	<.727	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Barium-133	pCi/g	<.0325	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Barium-140	pCi/g	<.0803	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Beryllium-7	pCi/g	<.209	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Bismuth-207	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Bismuth-212	pCi/g	1.85		0.296	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Bismuth-214	pCi/g	.657		0.0944	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cerium-139	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cerium-144	pCi/g	<.189	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cesium-134	pCi/g	<.0237	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Chromium-51	pCi/g	<.204	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cobalt-56	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cobalt-57	pCi/g	<.0235	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cobalt-58	pCi/g	<.0215	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Cobalt-60	pCi/g	<.035	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Copper-64	pCi/g	<14.9	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Europium-152	pCi/g	<.0708	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Europium-154	pCi/g	<.12	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Europium-155	pCi/g	<.102	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Gadolinium-153	pCi/g	<.0621	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Indium-115M	pCi/g	<.232	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Iodine-131	pCi/g	<.0261	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Iridium-192	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Iron-59	pCi/g	<.0516	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Lanthanum-140	pCi/g	<.0303	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Lead-212	pCi/g	2.73		0.0897	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Lead-214	pCi/g	.692		0.0827	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Manganese-56	pCi/g	<.25	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Mercury-203	pCi/g	<.0306	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Niobium-95	pCi/g	<.096	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160320	F	0	Plutonium-238	pCi/g	.034		0.016	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Plutonium-239	pCi/g	<378	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160320	F	0	Plutonium-239/240	pCi/g	.002		0.006	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Potassium-40	pCi/g	16.9		0.82	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Protactinium-231	pCi/g	<1.16	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Protactinium-233	pCi/g	<.0501	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Radium-224	pCi/g	5.15		0.801	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Radium-226	pCi/g	2.03		0.693	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Radium-228	pCi/g	2.95		0.233	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Ruthenium-103	pCi/g	<.022	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Ruthenium-106	pCi/g	<.213	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Scandium-46	pCi/g	<.0239	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Silver-110	pCi/g	<.0259	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Sodium-22	pCi/g	<.0295	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Sodium-24	pCi/g	<.0342	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-NE QUAD R	SNL0160355	F	0	Strontium-85	pCi/g	<.0263	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Tantalum-182	pCi/g	<.199	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Tellurium-123M	pCi/g	<.0242	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thallium-201	pCi/g	<.217	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thallium-208	pCi/g	2.46		0.178	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thorium-227	pCi/g	<.214	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Thorium-228	pCi/g	3.18		0.35	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thorium-228	pCi/g	2.72		0.0893	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thorium-229	pCi/g	<.108	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Thorium-230	pCi/g	.4		0.07	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Thorium-232	pCi/g	3.48		0.38	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thorium-232	pCi/g	2.95		0.233	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Thorium-234	pCi/g	2.59		0.456	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Tin-113	pCi/g	<.0313	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160321	F	0	Tritium	pCi/g	.018		0.014	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Uranium-234	pCi/g	.33		0.06	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Uranium-234	pCi/g	<3.55	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Uranium-235	pCi/g	<.0445	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Uranium-235/236	pCi/g	.02		0.01	SOIL
TA3/5-78-NE QUAD R	SNL0160319	F	0	Uranium-238	pCi/g	.32		0.06	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Uranium-238	pCi/g	2.59		0.456	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Xenon-133,-133M	pCi/g	<.0639	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Yttrium-88	pCi/g	<.025	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Zinc-65	pCi/g	<.0572	U	9999.9999	SOIL
TA3/5-78-NE QUAD R	SNL0160355	F	0	Zirconium-95	pCi/g	<.0484	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Actinium-227	pCi/g	<1.04	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Actinium-228	pCi/g	1.09		0.166	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Americium-241	pCi/g	<.0523	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Antimony-124	pCi/g	<.0207	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Antimony-125	pCi/g	<.0513	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Antimony-126	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Argon-41	pCi/g	<1.01	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Barium-133	pCi/g	<.0252	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Barium-140	pCi/g	<.066	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Beryllium-7	pCi/g	<.153	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Bismuth-207	pCi/g	<.0176	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Bismuth-212	pCi/g	.669		0.203	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Bismuth-214	pCi/g	.541		0.0734	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cadmium-109	pCi/g	<.578	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cerium-139	pCi/g	<.0178	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cerium-144	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cesium-134	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cesium-137	pCi/g	.0523		0.0265	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Chromium-51	pCi/g	<.141	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cobalt-56	pCi/g	<.0221	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cobalt-57	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cobalt-58	pCi/g	<.0174	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Cobalt-60	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Copper-64	pCi/g	<11.9	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Europium-152	pCi/g	<.0516	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Europium-154	pCi/g	<.0843	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Europium-155	pCi/g	<.0734	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Gadolinium-153	pCi/g	<.046	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Indium-115M	pCi/g	<.193	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Iodine-131	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Iridium-192	pCi/g	<.0173	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Iron-59	pCi/g	<.0446	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-NW QUAD R	SNL0160356	F	0	Lanthanum-140	pCi/g	<.0203	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Lead-210	pCi/g	1.07		0.633	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Lead-212	pCi/g	1.05		0.0603	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Lead-214	pCi/g	.596		0.0637	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Manganese-54	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Manganese-56	pCi/g	<.295	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Mercury-203	pCi/g	<.0208	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Neptunium-237	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Niobium-95	pCi/g	<.0706	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160323	F	0	Plutonium-238	pCi/g	.023		0.019	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Plutonium-239	pCi/g	<276	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160323	F	0	Plutonium-239/240	pCi/g	-.003		0.008	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Potassium-40	pCi/g	14.8		0.71	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Protactinium-231	pCi/g	<.773	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Protactinium-233	pCi/g	<.0374	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Radium-226	pCi/g	1.52		0.478	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Radium-228	pCi/g	1.2		0.184	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Ruthenium-103	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Ruthenium-106	pCi/g	<.15	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Scandium-46	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Silver-110	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Sodium-22	pCi/g	<.0237	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Sodium-24	pCi/g	<.0391	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Strontium-85	pCi/g	<.0196	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Tantalum-182	pCi/g	<.175	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Tellurium-123M	pCi/g	<.0174	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thallium-201	pCi/g	<.16	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thallium-208	pCi/g	.814		0.108	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thorium-227	pCi/g	<.154	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Thorium-228	pCi/g	.1		0.05	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thorium-228	pCi/g	1.04		0.0601	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thorium-229	pCi/g	<.0763	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Thorium-230	pCi/g	.18		0.07	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Thorium-232	pCi/g	.13		0.05	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thorium-232	pCi/g	1.2		0.184	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Thorium-234	pCi/g	<.378	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Tin-113	pCi/g	<.0231	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160324	F	0	Tritium	pCi/g	.018		0.014	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Uranium-234	pCi/g	.54		0.1	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Uranium-234	pCi/g	<2.63	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Uranium-235	pCi/g	<.0358	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Uranium-235/236	pCi/g	.02		0.02	SOIL
TA3/5-78-NW QUAD R	SNL0160322	F	0	Uranium-238	pCi/g	.45		0.09	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Uranium-238	pCi/g	<.378	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Xenon-133,-133M	pCi/g	<.0465	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Yttrium-88	pCi/g	<.0216	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Zinc-65	pCi/g	<.0477	U	9999.9999	SOIL
TA3/5-78-NW QUAD R	SNL0160356	F	0	Zirconium-95	pCi/g	<.0336	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Actinium-227	pCi/g	<1.22	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Actinium-228	pCi/g	2.16		0.216	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Americium-241	pCi/g	<.126	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Antimony-124	pCi/g	<.0204	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Antimony-125	pCi/g	<.0668	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Antimony-126	pCi/g	<.0232	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Argon-41	pCi/g	<.25	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Barium-133	pCi/g	<.0333	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Barium-140	pCi/g	<.0817	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Beryllium-7	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Bismuth-207	pCi/g	<.0202	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-RMMA	SNL0160358	F	0	Bismuth-212	pCi/g	1.41		0.298	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Bismuth-214	pCi/g	.741		0.0978	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cerium-139	pCi/g	<.0228	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cerium-144	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cesium-134	pCi/g	<.0217	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cesium-137	pCi/g	<.0271	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Chromium-51	pCi/g	<.207	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cobalt-56	pCi/g	<.0324	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cobalt-57	pCi/g	<.0185	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cobalt-58	pCi/g	<.0227	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Cobalt-60	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Copper-64	pCi/g	<9.99	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Europium-152	pCi/g	<.0564	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Europium-154	pCi/g	<.121	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Gadolinium-153	pCi/g	<.0632	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Indium-115M	pCi/g	<.126	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Iodine-125	pCi/g	<2.02	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Iodine-129	pCi/g	<1.26	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Iodine-131	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Iridium-192	pCi/g	<.0243	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Iron-59	pCi/g	<.045	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Lanthanum-140	pCi/g	<.0243	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Lead-210	pCi/g	<1.69	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Lead-212	pCi/g	2.48		0.0945	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Lead-214	pCi/g	.795		0.0966	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Manganese-56	pCi/g	<.153	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Mercury-203	pCi/g	<.0306	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Neptunium-237	pCi/g	<.219	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Niobium-95	pCi/g	<.0999	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Plutonium-239	pCi/g	<333	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Potassium-40	pCi/g	15.5		0.802	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Protactinium-231	pCi/g	<1.34	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Protactinium-233	pCi/g	<.0529	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Radium-224	pCi/g	3.52		0.814	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Radium-226	pCi/g	1.37		0.745	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Radium-228	pCi/g	2.39		0.24	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Ruthenium-103	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Ruthenium-106	pCi/g	<.211	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Scandium-46	pCi/g	<.0234	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Silver-110	pCi/g	<.0227	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Sodium-22	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Sodium-24	pCi/g	<.0285	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Strontium-85	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Tantalum-182	pCi/g	<.155	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Tellurium-123M	pCi/g	<.0211	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thallium-201	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thallium-208	pCi/g	2.02		0.147	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thorium-227	pCi/g	<.221	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thorium-228	pCi/g	2.47		0.0941	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thorium-229	pCi/g	<.0959	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thorium-232	pCi/g	2.39		0.24	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Thorium-234	pCi/g	<.551	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Tin-113	pCi/g	<.0288	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Uranium-234	pCi/g	<7.4	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Uranium-235	pCi/g	<.0443	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Uranium-238	pCi/g	<.549	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Xenon-133,-133M	pCi/g	<.0756	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Yttrium-88	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-RMMA	SNL0160358	F	0	Zinc-65	pCi/g	<.0493	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-RMMA	SNL0160358	F	0	Zirconium-95	pCi/g	<.0492	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Actinium-227	pCi/g	<1.03	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Actinium-228	pCi/g	.553		0.128	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Americium-241	pCi/g	<.0522	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Antimony-124	pCi/g	<.019	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Antimony-125	pCi/g	<.0506	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Antimony-126	pCi/g	<.0193	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Argon-41	pCi/g	<1.42	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Barium-133	pCi/g	<.0242	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Barium-140	pCi/g	<.0663	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Beryllium-7	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Bismuth-207	pCi/g	<.0177	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Bismuth-212	pCi/g	.623		0.26	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Bismuth-214	pCi/g	<.105	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cadmium-109	pCi/g	<.527	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cerium-139	pCi/g	<.0177	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cerium-144	pCi/g	<.139	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cesium-134	pCi/g	<.0177	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cesium-137	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Chromium-51	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cobalt-56	pCi/g	<.0207	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cobalt-57	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cobalt-58	pCi/g	<.0207	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Cobalt-60	pCi/g	<.0286	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Copper-64	pCi/g	<12.7	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Europium-152	pCi/g	<.0524	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Europium-154	pCi/g	<.0881	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Europium-155	pCi/g	<.0696	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Gadolinium-153	pCi/g	<.0434	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Indium-115M	pCi/g	<.211	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Iodine-131	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Iridium-192	pCi/g	<.0181	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Iron-59	pCi/g	<.0515	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Lanthanum-140	pCi/g	<.0262	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Lead-210	pCi/g	.813		0.512	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Lead-212	pCi/g	.767		0.0549	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Lead-214	pCi/g	.571		0.0679	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Manganese-54	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Manganese-56	pCi/g	<.36	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Mercury-203	pCi/g	<.0205	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Niobium-95	pCi/g	<.0678	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160326	F	0	Plutonium-238	pCi/g	.024		0.018	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Plutonium-239	pCi/g	<257	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160326	F	0	Plutonium-239/240	pCi/g	.001		0.005	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Potassium-40	pCi/g	15.1		0.793	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Protactinium-231	pCi/g	<.775	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Protactinium-233	pCi/g	<.0413	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Radium-224	pCi/g	.579		0.547	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Radium-226	pCi/g	2.01		0.637	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Radium-228	pCi/g	.613		0.142	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Ruthenium-103	pCi/g	<.0181	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Ruthenium-106	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Scandium-46	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Silver-110	pCi/g	<.0186	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Sodium-22	pCi/g	<.0276	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Sodium-24	pCi/g	<.0394	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Strontium-85	pCi/g	.0431		0.0282	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-RMMA-NON	SNL0160357	F	0	Tantalum-182	pCi/g	<.183	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Tellurium-123M	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thallium-201	pCi/g	<.155	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thallium-208	pCi/g	.61		0.108	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thorium-227	pCi/g	<.143	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Thorium-228	pCi/g	.1		0.03	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thorium-228	pCi/g	.764		0.0546	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thorium-229	pCi/g	<.0768	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Thorium-230	pCi/g	.12		0.04	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Thorium-232	pCi/g	.11		0.03	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thorium-232	pCi/g	.613		0.142	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Thorium-234	pCi/g	1.13		0.381	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Tin-113	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160327	F	0	Tritium	pCi/g	.007		0.013	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Uranium-234	pCi/g	.5		0.09	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Uranium-234	pCi/g	<2.73	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Uranium-235	pCi/g	<.0354	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Uranium-235/236	pCi/g	.03		0.02	SOIL
TA3/5-78-RMMA-NON	SNL0160325	F	0	Uranium-238	pCi/g	.78		0.13	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Uranium-238	pCi/g	1.13		0.38	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Xenon-133,-133M	pCi/g	<.0495	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Yttrium-88	pCi/g	<.0228	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Zinc-65	pCi/g	<.0534	U	9999.9999	SOIL
TA3/5-78-RMMA-NON	SNL0160357	F	0	Zirconium-95	pCi/g	<.0397	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Actinium-227	pCi/g	<3.06	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Actinium-228	pCi/g	16.4		0.503	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Americium-241	pCi/g	<.177	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Antimony-124	pCi/g	<.0547	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Antimony-125	pCi/g	<.138	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Antimony-126	pCi/g	<.0617	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Barium-133	pCi/g	<.0704	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Barium-140	pCi/g	<.208	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Beryllium-7	pCi/g	<.461	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Bismuth-207	pCi/g	<.0517	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Bismuth-212	pCi/g	11.3		0.836	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Bismuth-214	pCi/g	.522		0.182	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cerium-139	pCi/g	<.0535	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cerium-144	pCi/g	<.429	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cesium-134	pCi/g	<.0528	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cesium-137	pCi/g	<.0725	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Chromium-51	pCi/g	<.455	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cobalt-56	pCi/g	<.0467	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cobalt-57	pCi/g	<.0506	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cobalt-58	pCi/g	<.0431	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Cobalt-60	pCi/g	<.0519	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Copper-64	pCi/g	<73.2	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Europium-152	pCi/g	<.151	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Europium-154	pCi/g	<.269	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Gadolinium-153	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Indium-115M	pCi/g	<10.2	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Iodine-131	pCi/g	<.0577	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Iridium-192	pCi/g	<.0524	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Iron-59	pCi/g	<.0862	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Lanthanum-140	pCi/g	<.0735	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Lead-212	pCi/g	18.3		0.237	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Lead-214	pCi/g	.567		0.145	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Mercury-203	pCi/g	<.0719	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SE QUAD R	SNL0160353	F	0	Niobium-95	pCi/g	<.251	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160314	D	0	Plutonium-238	pCi/g	.02		0.01	SOIL
TA3/5-78-SE QUAD R	SNL0160314	F	0	Plutonium-238	pCi/g	.04		0.02	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Plutonium-239	pCi/g	<945	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160314	D	0	Plutonium-239/240	pCi/g	.002		0.006	SOIL
TA3/5-78-SE QUAD R	SNL0160314	F	0	Plutonium-239/240	pCi/g	.01		0.01	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Potassium-40	pCi/g	11.7		1.02	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Protactinium-231	pCi/g	<3.03	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Protactinium-233	pCi/g	<.11	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Radium-224	pCi/g	17.4		2.15	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Radium-226	pCi/g	1.12		1.3	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Radium-228	pCi/g	18.2		0.557	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Ruthenium-103	pCi/g	<.0507	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Ruthenium-106	pCi/g	<.533	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Scandium-46	pCi/g	<.0446	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Silver-110	pCi/g	<.0586	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Sodium-22	pCi/g	<.0506	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Sodium-24	pCi/g	<.178	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Strontium-85	pCi/g	<.0558	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Tantalum-182	pCi/g	<.316	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Tellurium-123M	pCi/g	<.052	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thallium-201	pCi/g	<.556	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thallium-208	pCi/g	15.4		0.445	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thorium-227	pCi/g	<.51	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Thorium-228	pCi/g	.16		0.06	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Thorium-228	pCi/g	.44		0.1	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thorium-228	pCi/g	18.3		0.236	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thorium-229	pCi/g	<.241	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Thorium-230	pCi/g	.04		0.03	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Thorium-230	pCi/g	.08		0.04	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Thorium-232	pCi/g	.17		0.06	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Thorium-232	pCi/g	.3		0.08	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thorium-232	pCi/g	18.2		0.557	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Thorium-234	pCi/g	14.9		1.18	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Tin-113	pCi/g	<.0718	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160315	D	0	Tritium	pCi/g	.01		0.02	SOIL
TA3/5-78-SE QUAD R	SNL0160315	F	0	Tritium	pCi/g	.15		0.02	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Uranium-234	pCi/g	.39		0.07	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Uranium-234	pCi/g	.5		0.09	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Uranium-234	pCi/g	<7.52	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Uranium-235	pCi/g	<.0871	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Uranium-235/236	pCi/g	.04		0.02	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Uranium-235/236	pCi/g	.03		0.02	SOIL
TA3/5-78-SE QUAD R	SNL0160313	D	0	Uranium-238	pCi/g	1.57		0.19	SOIL
TA3/5-78-SE QUAD R	SNL0160313	F	0	Uranium-238	pCi/g	1.32		0.18	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Uranium-238	pCi/g	14.9		1.18	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Xenon-133,-133M	pCi/g	<.157	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Yttrium-88	pCi/g	<.0483	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Zinc-65	pCi/g	<.0927	U	9999.9999	SOIL
TA3/5-78-SE QUAD R	SNL0160353	F	0	Zirconium-95	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Actinium-227	pCi/g	<1.21	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Actinium-227	pCi/g	<1.24	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Actinium-228	pCi/g	1.43		0.161	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Actinium-228	pCi/g	1.55		0.197	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Americium-241	pCi/g	<.114	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Americium-241	pCi/g	<.115	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Antimony-124	pCi/g	<.0196	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Antimony-124	pCi/g	<.0219	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Antimony-125	pCi/g	<.062	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Antimony-125	pCi/g	<.0649	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Antimony-126	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Antimony-126	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Barium-133	pCi/g	<.0292	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Barium-133	pCi/g	<.032	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Barium-140	pCi/g	<.0755	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Barium-140	pCi/g	<.0714	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Beryllium-7	pCi/g	<.192	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Beryllium-7	pCi/g	<.2	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Bismuth-207	pCi/g	<.0179	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Bismuth-207	pCi/g	<.0199	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Bismuth-212	pCi/g	1.06		0.255	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Bismuth-212	pCi/g	1.12		0.349	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Bismuth-214	pCi/g	.751		0.0835	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Bismuth-214	pCi/g	.808		0.0976	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cadmium-109	pCi/g	<.785	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cadmium-109	pCi/g	<.865	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cerium-139	pCi/g	<.0231	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cerium-139	pCi/g	<.0239	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cerium-144	pCi/g	<.144	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cerium-144	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cesium-134	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cesium-134	pCi/g	<.0211	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cesium-137	pCi/g	<.0243	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cesium-137	pCi/g	.03		0.0257	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Chromium-51	pCi/g	<.192	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Chromium-51	pCi/g	<.234	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cobalt-56	pCi/g	<.0298	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cobalt-57	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cobalt-57	pCi/g	<.018	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cobalt-58	pCi/g	<.026	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cobalt-58	pCi/g	<.0261	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Cobalt-60	pCi/g	<.0312	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Cobalt-60	pCi/g	<.0259	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Copper-64	pCi/g	<103	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Copper-64	pCi/g	<116	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Europium-152	pCi/g	<.0507	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Europium-152	pCi/g	<.0534	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Europium-154	pCi/g	<.0999	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Europium-154	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Europium-155	pCi/g	<.0861	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Europium-155	pCi/g	<.0984	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Gadolinium-153	pCi/g	<.0577	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Gadolinium-153	pCi/g	<.0607	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Iodine-125	pCi/g	<2.08	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Iodine-125	pCi/g	<2.19	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Iodine-129	pCi/g	<1.21	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Iodine-129	pCi/g	<1.26	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Iodine-131	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Iodine-131	pCi/g	<.0318	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Iridium-192	pCi/g	<.0238	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Iridium-192	pCi/g	<.0258	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Iron-59	pCi/g	<.0457	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Iron-59	pCi/g	<.0477	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Lanthanum-140	pCi/g	<.0452	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Lanthanum-140	pCi/g	<.0565	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Lead-210	pCi/g	<1.51	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Lead-210	pCi/g	<1.66	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Lead-212	pCi/g	1.59		0.0773	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Lead-212	pCi/g	1.58		0.0825	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Lead-214	pCi/g	.827		0.0859	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Lead-214	pCi/g	.922		0.116	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Manganese-54	pCi/g	<.0256	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Manganese-54	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Mercury-203	pCi/g	<.0298	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Mercury-203	pCi/g	<.0311	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Neptunium-237	pCi/g	<.199	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Neptunium-237	pCi/g	<.198	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Niobium-95	pCi/g	<.127	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Niobium-95	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Plutonium-239	pCi/g	<287	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Plutonium-239	pCi/g	<317	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Potassium-40	pCi/g	15.2		0.829	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Potassium-40	pCi/g	16.9		0.881	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Protactinium-231	pCi/g	<1.12	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Protactinium-231	pCi/g	<1.22	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Protactinium-233	pCi/g	<.055	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Protactinium-233	pCi/g	<.056	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Radium-224	pCi/g	2.31		1.12	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Radium-224	pCi/g	2.42		1.01	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Radium-226	pCi/g	1.78		0.803	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Radium-226	pCi/g	2.08		0.74	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Radium-228	pCi/g	1.58		0.179	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Radium-228	pCi/g	1.72		0.218	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Ruthenium-103	pCi/g	<.0208	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Ruthenium-103	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Ruthenium-106	pCi/g	<.199	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Ruthenium-106	pCi/g	<.215	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Scandium-46	pCi/g	<.0208	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Scandium-46	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Silver-110	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Silver-110	pCi/g	<.0212	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Sodium-22	pCi/g	<.025	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Sodium-22	pCi/g	<.0288	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Sodium-24	pCi/g	<.197	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Sodium-24	pCi/g	<.232	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Strontium-85	pCi/g	<.0208	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Tantalum-182	pCi/g	<.174	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Tantalum-182	pCi/g	<.18	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Tellurium-123M	pCi/g	<.0204	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Tellurium-123M	pCi/g	<.0215	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thallium-201	pCi/g	<.28	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thallium-201	pCi/g	<.309	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thallium-208	pCi/g	1.32		0.128	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thallium-208	pCi/g	1.31		0.135	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-227	pCi/g	<.191	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-227	pCi/g	<.207	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-228	pCi/g	1.58		0.077	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-228	pCi/g	1.57		0.0821	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-229	pCi/g	<.082	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-229	pCi/g	<.103	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-231	pCi/g	<.346	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-231	pCi/g	<.347	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-232	pCi/g	1.58		0.179	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-232	pCi/g	1.72		0.218	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Thorium-234	pCi/g	<.48	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Thorium-234	pCi/g	<.532	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Tin-113	pCi/g	<.0307	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Tin-113	pCi/g	<.0312	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Uranium-234	pCi/g	<6.54	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Uranium-234	pCi/g	<7.42	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Uranium-235	pCi/g	.043		9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Uranium-235	pCi/g	<.048	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Uranium-238	pCi/g	<.479	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Uranium-238	pCi/g	<.53	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Xenon-133,-133M	pCi/g	<.0899	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Xenon-133,-133M	pCi/g	<.0939	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Yttrium-88	pCi/g	<.0265	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Yttrium-88	pCi/g	<.0275	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Zinc-65	pCi/g	<.0548	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Zinc-65	pCi/g	<.0509	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160361	F	0	Zirconium-95	pCi/g	<.0488	U	9999.9999	SOIL
TA3/5-78-SE/NE RMM	SNL0160362	F	0	Zirconium-95	pCi/g	<.0464	U	9999.9999	SOIL
TA3/5-78-ST-1	SNL0160403	F	0	Plutonium-238	pCi/g	<.007	U	0.01	SOIL
TA3/5-78-ST-1	SNL0160403	F	0	Plutonium-239/240	pCi/g	<.002	U	0.006	SOIL
TA3/5-78-ST-1	SNL0160405	F	0	Thorium-230	pCi/g	.57		0.12	SOIL
TA3/5-78-ST-1	SNL0160405	F	0	Thorium-232	pCi/g	.69		0.14	SOIL
TA3/5-78-ST-1	SNL0160406	F	0	Tritium	pCi/L	400		190	SOIL
TA3/5-78-ST-1	SNL0160404	F	0	Uranium-233/234	pCi/g	.52		0.13	SOIL
TA3/5-78-ST-1	SNL0160404	F	0	Uranium-235	pCi/g	<.014	U	0.018	SOIL
TA3/5-78-ST-1	SNL0160404	F	0	Uranium-238	pCi/g	.48		0.12	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Actinium-227	pCi/g	<2.69	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Actinium-228	pCi/g	.544		0.0754	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Americium-241	pCi/g	<.457	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Antimony-124	pCi/g	<.0479	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Antimony-125	pCi/g	<.145	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Antimony-126	pCi/g	<86600	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Argon-41	pCi/g	<1.05	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Barium-133	pCi/g	<.0953	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Barium-140	pCi/g	<.184	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Beryllium-7	pCi/g	<.438	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Bismuth-212	pCi/g	.551		0.152	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Bismuth-214	pCi/g	.452		0.0488	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cadmium-109	pCi/g	<.948	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cerium-139	pCi/g	<.0449	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cerium-144	pCi/g	<.36	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cesium-134	pCi/g	<.0721	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cesium-137	pCi/g	<.0672	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Chromium-51	pCi/g	<.356	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cobalt-56	pCi/g	<.0606	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cobalt-57	pCi/g	<.0477	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cobalt-58	pCi/g	<.0615	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Cobalt-60	pCi/g	<.0852	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Copper-64	pCi/g	<24.5	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Europium-152	pCi/g	<.426	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Europium-154	pCi/g	<.313	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Europium-155	pCi/g	<.201	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Gadolinium-153	pCi/g	<.177	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Indium-115M	pCi/g	<.292	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Iodine-131	pCi/g	<.0464	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Iridium-192	pCi/g	<.0416	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Iron-59	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Lanthanum-140	pCi/g	<.102	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Lead-210	pCi/g	<41.7	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Lead-211	pCi/g	<1.18	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Lead-212	pCi/g	.55		0.0642	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Lead-214	pCi/g	.467		0.0556	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-ST-2	SNL0160344	F	0	Manganese-54	pCi/g	<.0652	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Manganese-56	pCi/g	<.357	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Mercury-203	pCi/g	<.0437	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Neptunium-237	pCi/g	<.276	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Niobium-95	pCi/g	<.267	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160407	F	0	Plutonium-238	pCi/g	<-.003	U	0	SOIL
TA3/5-78-ST-2	SNL0160407	F	0	Plutonium-239/240	pCi/g	<-.001	U	0	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Potassium-40	pCi/g	14.5		1.13	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Protactinium-231	pCi/g	<1.96	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Protactinium-233	pCi/g	<.0904	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Radium-223	pCi/g	<.29	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Radium-224	pCi/g	.607		0.176	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Radium-226	pCi/g	.939		0.204	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Radium-228	pCi/g	.559		0.102	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Radon-219	pCi/g	<.439	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Ruthenium-103	pCi/g	<.05	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Ruthenium-106	pCi/g	<.508	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Scandium-46	pCi/g	<.105	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Silver-110	pCi/g	<.0574	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Sodium-22	pCi/g	<.085	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Sodium-24	pCi/g	<.111	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Strontium-85	pCi/g	<3.55	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Tantalum-182	pCi/g	<9650000	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thallium-201	pCi/g	<.215	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thallium-207	pCi/g	<27.8	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thallium-208	pCi/g	.43		0.0556	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-227	pCi/g	<.546	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-228	pCi/g	<1.41	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-229	pCi/g	<.407	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160409	F	0	Thorium-230	pCi/g	.46		0.1	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-231	pCi/g	.44		0.129	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-232	pCi/g	.663		0.104	SOIL
TA3/5-78-ST-2	SNL0160409	F	0	Thorium-232	pCi/g	.57		0.12	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Thorium-234	pCi/g	.418		0.178	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Tin-113	pCi/g	<21000	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160410	F	0	Tritium	pCi/L	<92	U	280	SOIL
TA3/5-78-ST-2	SNL0160408	F	0	Uranium-233/234	pCi/g	.57		0.15	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Uranium-234	pCi/g	<45.2	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Uranium-235	pCi/g	<.359	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160408	F	0	Uranium-235	pCi/g	.023		0.022	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Uranium-238	pCi/g	<3.29	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160408	F	0	Uranium-238	pCi/g	.69		0.17	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Xenon-133,-133M	pCi/g	<.23	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Yttrium-88	pCi/g	<.0976	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Zinc-65	pCi/g	<.195	U	9999.9999	SOIL
TA3/5-78-ST-2	SNL0160344	F	0	Zirconium-95	pCi/g	<.11	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Actinium-227	pCi/g	<2.69	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Actinium-228	pCi/g	1.58		0.144	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Americium-241	pCi/g	<.436	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Antimony-124	pCi/g	<.0483	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Antimony-125	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Antimony-126	pCi/g	<652000	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Argon-41	pCi/g	<1.32	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Barium-133	pCi/g	<.0857	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Barium-140	pCi/g	<.19	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Beryllium-7	pCi/g	<.413	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Bismuth-212	pCi/g	2.06		0.249	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Bismuth-214	pCi/g	.497		0.0487	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cadmium-109	pCi/g	<1.03	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-ST-3	SNL0160345	F	0	Cerium-139	pCi/g	<.0469	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cerium-144	pCi/g	<.384	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cesium-134	pCi/g	<.0696	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cesium-137	pCi/g	.0376		0.0102	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Chromium-51	pCi/g	<.361	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cobalt-56	pCi/g	<.0535	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cobalt-57	pCi/g	<.051	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cobalt-58	pCi/g	<.0565	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Cobalt-60	pCi/g	<.0738	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Copper-64	pCi/g	<21.3	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Europium-152	pCi/g	<.436	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Europium-154	pCi/g	<.336	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Europium-155	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Gadolinium-153	pCi/g	<.181	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Indium-115M	pCi/g	<.38	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Iodine-131	pCi/g	<.046	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Iridium-192	pCi/g	<.0428	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Iron-59	pCi/g	<.115	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Lanthanum-140	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Lead-210	pCi/g	<44.8	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Lead-211	pCi/g	<1.14	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Lead-212	pCi/g	1.51		0.165	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Lead-214	pCi/g	.485		0.0545	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Manganese-54	pCi/g	<.0658	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Manganese-56	pCi/g	<.407	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Mercury-203	pCi/g	<.0476	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Neptunium-237	pCi/g	<.298	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160411	F	0	Plutonium-238	pCi/g	.024		0.018	SOIL
TA3/5-78-ST-3	SNL0160411	F	0	Plutonium-239/240	pCi/g	<.008	U	0.012	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Potassium-40	pCi/g	15.3		1.14	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Protactinium-231	pCi/g	<1.95	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Protactinium-233	pCi/g	<.0919	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Radium-223	pCi/g	<.3	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Radium-224	pCi/g	1.89		0.299	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Radium-226	pCi/g	1.07		0.201	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Radium-228	pCi/g	1.69		0.174	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Radon-219	pCi/g	<.437	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Ruthenium-103	pCi/g	<.0463	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Ruthenium-106	pCi/g	<.489	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Scandium-46	pCi/g	<.0787	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Silver-110	pCi/g	<.0626	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Sodium-22	pCi/g	<.0782	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Sodium-24	pCi/g	<.0946	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Strontium-85	pCi/g	<6.58	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thallium-201	pCi/g	<.223	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thallium-207	pCi/g	<23.7	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thallium-208	pCi/g	1.31		0.115	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-227	pCi/g	<.701	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-228	pCi/g	1.35		0.288	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-229	pCi/g	<.439	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160413	F	0	Thorium-230	pCi/g	.76		0.14	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-231	pCi/g	<.939	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-232	pCi/g	1.53		0.187	SOIL
TA3/5-78-ST-3	SNL0160413	F	0	Thorium-232	pCi/g	2.8		0.33	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Thorium-234	pCi/g	.483		0.181	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Tin-113	pCi/g	<123000	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160414	F	0	Tritium	pCi/L	390		180	SOIL
TA3/5-78-ST-3	SNL0160412	F	0	Uranium-233/234	pCi/g	.69		0.17	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Uranium-234	pCi/g	<47.7	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-ST-3	SNL0160345	F	0	Uranium-235	pCi/g	<.373	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160412	F	0	Uranium-235	pCi/g	<.032	U	0.028	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Uranium-238	pCi/g	<3.34	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160412	F	0	Uranium-238	pCi/g	.69		0.18	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Xenon-133,-133M	pCi/g	<.243	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Yttrium-88	pCi/g	<.0751	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Zinc-65	pCi/g	<.161	U	9999.9999	SOIL
TA3/5-78-ST-3	SNL0160345	F	0	Zirconium-95	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Actinium-227	pCi/g	<8.04	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Actinium-228	pCi/g	<1.03	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Americium-241	pCi/g	<1.18	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Antimony-124	pCi/g	<.162	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Antimony-125	pCi/g	<.468	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Argon-41	pCi/g	<7.38	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Barium-133	pCi/g	<.293	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Barium-140	pCi/g	<.611	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Beryllium-7	pCi/g	<1.26	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Bismuth-212	pCi/g	<2.8	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Bismuth-214	pCi/g	.898		0.126	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cadmium-109	pCi/g	<5.08	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cerium-139	pCi/g	<.142	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cerium-144	pCi/g	<1.07	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cesium-134	pCi/g	<.232	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cesium-137	pCi/g	<.218	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Chromium-51	pCi/g	<1.07	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cobalt-56	pCi/g	<.205	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cobalt-57	pCi/g	<.138	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cobalt-58	pCi/g	<.202	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Cobalt-60	pCi/g	<.277	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Copper-64	pCi/g	<98.8	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Europium-152	pCi/g	<1.44	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Europium-154	pCi/g	<.901	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Europium-155	pCi/g	<.602	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Gadolinium-153	pCi/g	<.468	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Indium-115M	pCi/g	<1.09	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Iodine-131	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Iridium-192	pCi/g	<.127	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Iron-59	pCi/g	<.431	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Lanthanum-140	pCi/g	<.384	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Lead-210	pCi/g	<126	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Lead-211	pCi/g	<3.38	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Lead-212	pCi/g	.871		0.12	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Lead-214	pCi/g	.96		0.137	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Manganese-54	pCi/g	<.203	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Manganese-56	pCi/g	<2.13	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Mercury-203	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Neptunium-237	pCi/g	<1.48	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Niobium-95	pCi/g	<.748	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Potassium-40	pCi/g	13.1		1.46	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Protactinium-231	pCi/g	<5.74	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Protactinium-233	pCi/g	<.288	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Radium-223	pCi/g	<.76	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Radium-224	pCi/g	2.51		0.561	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Radium-226	pCi/g	.451		0.497	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Radium-228	pCi/g	<1.52	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Radon-219	pCi/g	<1.19	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Ruthenium-103	pCi/g	<.146	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Ruthenium-106	pCi/g	<1.62	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Scandium-46	pCi/g	<.277	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-ST-4	SNL0160346	F	0	Silver-110	pCi/g	<.192	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Sodium-22	pCi/g	<.277	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Sodium-24	pCi/g	<.391	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Strontium-85	pCi/g	<43.5	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thallium-201	pCi/g	<.572	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thallium-207	pCi/g	<88.9	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thallium-208	pCi/g	.584		0.124	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-227	pCi/g	<1.5	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-228	pCi/g	<4.13	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-229	pCi/g	<1.21	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-231	pCi/g	<2.37	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-232	pCi/g	.654		0.186	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Thorium-234	pCi/g	.706		0.487	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Tin-113	pCi/g	<3920000	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Uranium-234	pCi/g	<132	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Uranium-235	pCi/g	<1.02	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Uranium-238	pCi/g	2.47		1.43	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Xenon-133,-133M	pCi/g	<.603	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Yttrium-88	pCi/g	<.357	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Zinc-65	pCi/g	<.541	U	9999.9999	SOIL
TA3/5-78-ST-4	SNL0160346	F	0	Zirconium-95	pCi/g	<.322	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Actinium-227	pCi/g	<1.36	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Actinium-228	pCi/g	.604		0.143	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Americium-241	pCi/g	<.157	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Antimony-124	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Antimony-125	pCi/g	<.0574	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Antimony-126	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Barium-133	pCi/g	<.0287	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Barium-140	pCi/g	<.0858	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Beryllium-7	pCi/g	<.172	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Bismuth-207	pCi/g	<.0254	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Bismuth-212	pCi/g	.432		0.244	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Bismuth-214	pCi/g	.505		0.081	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cadmium-109	pCi/g	<.91	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cerium-139	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cerium-144	pCi/g	<.183	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cesium-134	pCi/g	<.0184	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cesium-137	pCi/g	<.0324	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Chromium-51	pCi/g	<.179	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cobalt-56	pCi/g	<.0294	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cobalt-57	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cobalt-58	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Cobalt-60	pCi/g	<.0391	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Copper-64	pCi/g	<26	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Europium-152	pCi/g	<.071	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Europium-154	pCi/g	<.0968	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Europium-155	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Gadolinium-153	pCi/g	<.0683	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Indium-115M	pCi/g	<2.54	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Iodine-131	pCi/g	<.0214	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Iridium-192	pCi/g	<.0203	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Iron-59	pCi/g	<.0564	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Lanthanum-140	pCi/g	<.0238	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Lead-212	pCi/g	.6		0.0721	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Lead-214	pCi/g	.574		0.0807	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Manganese-54	pCi/g	<.0242	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Mercury-203	pCi/g	<.0223	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Niobium-95	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160311	F	0	Plutonium-238	pCi/g	.0018		0.0019	SOIL
TA3/5-78-SUS-SLAG	C SNL0160311	F	0	Plutonium-239/240	pCi/g	.0011		0.0019	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Potassium-40	pCi/g	15.1		0.968	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Protactinium-231	pCi/g	<.92	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Protactinium-233	pCi/g	<.0484	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Radium-224	pCi/g	<.748	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Radium-226	pCi/g	1.36		0.671	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Radium-228	pCi/g	.669		0.158	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Ruthenium-103	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Ruthenium-106	pCi/g	<.167	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Scandium-46	pCi/g	<.0225	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Silver-110	pCi/g	<.016	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Sodium-22	pCi/g	<.0253	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Sodium-24	pCi/g	<.0685	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Strontium-85	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Tantalum-182	pCi/g	<.21	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Tellurium-123M	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thallium-201	pCi/g	<.246	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thallium-208	pCi/g	.598		0.141	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-227	pCi/g	<.178	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Thorium-228	pCi/g	.046		0.009	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-228	pCi/g	.597		0.0717	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-229	pCi/g	<.091	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Thorium-230	pCi/g	.086		0.014	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-231	pCi/g	<.409	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Thorium-232	pCi/g	.039		0.008	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-232	pCi/g	.669		0.158	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Thorium-234	pCi/g	<.615	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Tin-113	pCi/g	<.0258	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160312	F	0	Tritium	pCi/g	.023		0.01	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Uranium-234	pCi/g	.49		0.09	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Uranium-234	pCi/g	<14.3	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Uranium-235	pCi/g	<.0473	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Uranium-235/236	pCi/g	.02		0.02	SOIL
TA3/5-78-SUS-SLAG	C SNL0160310	F	0	Uranium-238	pCi/g	.54		0.09	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Uranium-238	pCi/g	<.613	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Xenon-133,-133M	pCi/g	<.0968	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Yttrium-88	pCi/g	<.0272	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Zinc-65	pCi/g	<.0535	U	9999.9999	SOIL
TA3/5-78-SUS-SLAG	C SNL0160351	F	0	Zirconium-95	pCi/g	<.0388	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Actinium-227	pCi/g	<1.32	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Actinium-228	pCi/g	2.74		0.183	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Americium-241	pCi/g	<.0725	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Antimony-124	pCi/g	<.0224	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Antimony-125	pCi/g	<.0629	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Antimony-126	pCi/g	<.0237	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Argon-41	pCi/g	<.474	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Barium-133	pCi/g	<.0299	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Barium-140	pCi/g	<.0786	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Beryllium-7	pCi/g	<.175	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Bismuth-207	pCi/g	<.0219	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Bismuth-212	pCi/g	1.91		0.336	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Bismuth-214	pCi/g	.507		0.104	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Cerium-139	pCi/g	<.0232	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Cerium-144	pCi/g	<.186	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Cesium-134	pCi/g	<.0219	U	9999.9999	SOIL
TA3/5-78-SW QUAD	R SNL0160354	F	0	Cesium-137	pCi/g	.0386		0.0223	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SW QUAD R	SNL0160354	F	0	Chromium-51	pCi/g	<.186	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Cobalt-56	pCi/g	<.0234	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Cobalt-57	pCi/g	<.0231	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Cobalt-58	pCi/g	<.0188	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Cobalt-60	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Copper-64	pCi/g	<11.5	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Europium-152	pCi/g	<.0686	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Europium-154	pCi/g	<.116	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Gadolinium-153	pCi/g	<.0599	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Indium-115M	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Iodine-131	pCi/g	<.0225	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Iridium-192	pCi/g	<.0219	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Iron-59	pCi/g	<.0446	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Lanthanum-140	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Lead-210	pCi/g	.985		0.629	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Lead-212	pCi/g	2.79		0.084	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Lead-214	pCi/g	.548		0.0976	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Manganese-56	pCi/g	<.171	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Mercury-203	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Niobium-95	pCi/g	<.0888	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160317	D	0	Plutonium-238	pCi/g	.021		0.014	SOIL
TA3/5-78-SW QUAD R	SNL0160317	F	0	Plutonium-238	pCi/g	.012		0.013	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Plutonium-239	pCi/g	<384	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160317	D	0	Plutonium-239/240	pCi/g	-.001		0.006	SOIL
TA3/5-78-SW QUAD R	SNL0160317	F	0	Plutonium-239/240	pCi/g	-.002		0.008	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Potassium-40	pCi/g	14.8		0.715	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Protactinium-231	pCi/g	<1.15	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Protactinium-233	pCi/g	<.0474	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Radium-224	pCi/g	5.47		0.932	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Radium-226	pCi/g	1.4		0.706	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Radium-228	pCi/g	3.04		0.202	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Ruthenium-103	pCi/g	<.0223	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Ruthenium-106	pCi/g	<.199	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Scandium-46	pCi/g	<.0221	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Silver-110	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Sodium-22	pCi/g	<.0284	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Sodium-24	pCi/g	<.0324	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Strontium-85	pCi/g	<.0238	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Tantalum-182	pCi/g	<.201	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Tellurium-123M	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thallium-201	pCi/g	<.203	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thallium-208	pCi/g	2.51		0.166	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thorium-227	pCi/g	<.203	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Thorium-228	pCi/g	3.31		0.36	SOIL
TA3/5-78-SW QUAD R	SNL0160316	F	0	Thorium-228	pCi/g	.32		0.06	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thorium-228	pCi/g	2.77		0.0836	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thorium-229	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Thorium-230	pCi/g	.67		0.1	SOIL
TA3/5-78-SW QUAD R	SNL0160316	F	0	Thorium-230	pCi/g	.07		0.02	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Thorium-232	pCi/g	3.26		0.36	SOIL
TA3/5-78-SW QUAD R	SNL0160316	F	0	Thorium-232	pCi/g	.3		0.05	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thorium-232	pCi/g	3.04		0.202	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Thorium-234	pCi/g	2.72		0.417	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Tin-113	pCi/g	<.0293	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160318	D	0	Tritium	pCi/g	.021		0.014	SOIL
TA3/5-78-SW QUAD R	SNL0160318	F	0	Tritium	pCi/g	.012		0.014	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Uranium-234	pCi/g	.34		0.07	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SW QUAD R	SNL0160316	F	0	Uranium-234	pCi/g	.33		0.06	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Uranium-234	pCi/g	<3.28	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Uranium-235	pCi/g	<.0424	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Uranium-235/236	pCi/g	.01		0.01	SOIL
TA3/5-78-SW QUAD R	SNL0160316	F	0	Uranium-235/236	pCi/g	.01		0.01	SOIL
TA3/5-78-SW QUAD R	SNL0160316	D	0	Uranium-238	pCi/g	.35		0.07	SOIL
TA3/5-78-SW QUAD R	SNL0160316	F	0	Uranium-238	pCi/g	.35		0.06	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Uranium-238	pCi/g	2.72		0.417	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Xenon-133,-133M	pCi/g	<.0613	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Yttrium-88	pCi/g	<.0238	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Zinc-65	pCi/g	<.058	U	9999.9999	SOIL
TA3/5-78-SW QUAD R	SNL0160354	F	0	Zirconium-95	pCi/g	<.0475	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Actinium-227	pCi/g	<1.05	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Actinium-227	pCi/g	<.974	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Actinium-228	pCi/g	.858		0.13	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Actinium-228	pCi/g	.663		0.18	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Americium-241	pCi/g	<.0963	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Americium-241	pCi/g	<.0974	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Antimony-124	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Antimony-124	pCi/g	<.0198	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Antimony-125	pCi/g	<.0474	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Antimony-125	pCi/g	<.0518	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Antimony-126	pCi/g	<.0192	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Antimony-126	pCi/g	<.0215	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Barium-133	pCi/g	<.0274	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Barium-133	pCi/g	<.0271	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Barium-140	pCi/g	<.0723	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Barium-140	pCi/g	<.0764	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Beryllium-7	pCi/g	<.166	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Beryllium-7	pCi/g	<.153	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Bismuth-207	pCi/g	<.018	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Bismuth-207	pCi/g	<.0172	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Bismuth-212	pCi/g	.903		0.295	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Bismuth-212	pCi/g	.293		0.199	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Bismuth-214	pCi/g	.598		0.0824	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Bismuth-214	pCi/g	.626		0.0808	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cadmium-109	pCi/g	<.67	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cadmium-109	pCi/g	<.653	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cerium-139	pCi/g	<.019	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cerium-139	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cerium-144	pCi/g	<.127	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cerium-144	pCi/g	<.116	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cesium-134	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cesium-134	pCi/g	<.0164	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cesium-137	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cesium-137	pCi/g	<.0199	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Chromium-51	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Chromium-51	pCi/g	<.183	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cobalt-56	pCi/g	<.0276	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cobalt-57	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cobalt-57	pCi/g	<.0153	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cobalt-58	pCi/g	<.0235	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cobalt-58	pCi/g	<.0226	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Cobalt-60	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Cobalt-60	pCi/g	<.0272	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Copper-64	pCi/g	<86.4	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Copper-64	pCi/g	<98	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Europium-152	pCi/g	<.0427	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Europium-152	pCi/g	<.045	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Europium-154	pCi/g	<.0883	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Europium-154	pCi/g	<.0903	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Europium-155	pCi/g	<.0807	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Europium-155	pCi/g	<.0709	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Gadolinium-153	pCi/g	<.0472	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Gadolinium-153	pCi/g	<.0506	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Iodine-125	pCi/g	<1.7	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Iodine-125	pCi/g	<1.8	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Iodine-129	pCi/g	<1.04	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Iodine-129	pCi/g	<1.03	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Iodine-131	pCi/g	<.0223	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Iodine-131	pCi/g	<.0207	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Iridium-192	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Iridium-192	pCi/g	<.0202	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Iron-59	pCi/g	<.0459	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Iron-59	pCi/g	<.0428	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Lanthanum-140	pCi/g	<.0399	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Lanthanum-140	pCi/g	<.0346	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Lead-210	pCi/g	1.14		1.33	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Lead-210	pCi/g	<1.42	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Lead-212	pCi/g	.808		0.057	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Lead-212	pCi/g	.818		0.0615	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Lead-214	pCi/g	.623		0.0764	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Lead-214	pCi/g	.723		0.0864	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Manganese-54	pCi/g	<.0249	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Manganese-54	pCi/g	<.0235	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Mercury-203	pCi/g	<.0264	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Mercury-203	pCi/g	<.0249	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Neptunium-237	pCi/g	<.165	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Neptunium-237	pCi/g	<.155	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Niobium-95	pCi/g	<.11	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Niobium-95	pCi/g	<.108	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Plutonium-239	pCi/g	<252	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Plutonium-239	pCi/g	<237	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Potassium-40	pCi/g	17.7		0.817	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Potassium-40	pCi/g	14.9		0.791	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Protactinium-231	pCi/g	<.956	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Protactinium-231	pCi/g	<.893	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Protactinium-233	pCi/g	<.0458	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Protactinium-233	pCi/g	<.0458	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Radium-224	pCi/g	1.39		0.723	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Radium-224	pCi/g	1.11		0.845	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Radium-226	pCi/g	1.62		0.694	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Radium-226	pCi/g	1.06		0.582	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Radium-228	pCi/g	.951		0.144	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Radium-228	pCi/g	.735		0.2	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Ruthenium-103	pCi/g	<.0176	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Ruthenium-103	pCi/g	<.0191	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Ruthenium-106	pCi/g	<.165	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Ruthenium-106	pCi/g	<.153	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Scandium-46	pCi/g	<.0249	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Scandium-46	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Silver-110	pCi/g	<.0145	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Silver-110	pCi/g	<.0178	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Sodium-22	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Sodium-22	pCi/g	<.0268	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Sodium-24	pCi/g	<.152	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Sodium-24	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Strontium-85	pCi/g	<.0192	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Strontium-85	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Tantalum-182	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Tantalum-182	pCi/g	<.167	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Tellurium-123M	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Tellurium-123M	pCi/g	<.0174	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thallium-201	pCi/g	<.229	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thallium-201	pCi/g	<.231	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thallium-208	pCi/g	.605		0.0988	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thallium-208	pCi/g	.696		0.124	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-227	pCi/g	<.168	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-227	pCi/g	<.168	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-228	pCi/g	.804		0.0568	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-228	pCi/g	.814		0.0612	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-229	pCi/g	<.0774	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-229	pCi/g	<.0808	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-231	pCi/g	<.29	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-231	pCi/g	<.295	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-232	pCi/g	.951		0.144	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-232	pCi/g	.735		0.2	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Thorium-234	pCi/g	<.428	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Thorium-234	pCi/g	<.43	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Tin-113	pCi/g	<.026	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Tin-113	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Uranium-234	pCi/g	<6.14	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Uranium-234	pCi/g	<6.37	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Uranium-235	pCi/g	<.041	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Uranium-235	pCi/g	<.0388	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Uranium-238	pCi/g	<.427	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Uranium-238	pCi/g	<.429	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Xenon-133,-133M	pCi/g	<.078	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Xenon-133,-133M	pCi/g	<.0784	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Yttrium-88	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Yttrium-88	pCi/g	<.0264	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Zinc-65	pCi/g	<.0487	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Zinc-65	pCi/g	<.0411	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160359	F	0	Zirconium-95	pCi/g	<.0371	U	9999.9999	SOIL
TA3/5-78-SW/NW RMM	SNL0160360	F	0	Zirconium-95	pCi/g	<.0347	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Actinium-227	pCi/g	<1.5	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Actinium-227	pCi/g	<1.5	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Actinium-227	pCi/g	<1.49	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Actinium-227	pCi/g	<3.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Actinium-227	pCi/g	<1.63	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Actinium-227	pCi/g	<1.49	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Actinium-227	pCi/g	<1.53	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Actinium-227	pCi/g	<1.46	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Actinium-227	pCi/g	<1.5	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Actinium-227	pCi/g	<1.36	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Actinium-227	pCi/g	<.979	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Actinium-228	pCi/g	1.03		0.207	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Actinium-228	pCi/g	1.06		0.172	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Actinium-228	pCi/g	1.35		0.281	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Actinium-228	pCi/g	13.2		0.549	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Actinium-228	pCi/g	1.06		0.227	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Actinium-228	pCi/g	1.04		0.219	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Actinium-228	pCi/g	.999		0.235	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Actinium-228	pCi/g	1.07		0.195	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Actinium-228	pCi/g	.865		0.17	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Actinium-228	pCi/g	.618		0.205	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Actinium-228	pCi/g	.852		0.148	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160363	F	0	Americium-241	pCi/g	<.237	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Americium-241	pCi/g	<.226	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Americium-241	pCi/g	<.235	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Americium-241	pCi/g	<.488	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Americium-241	pCi/g	<.244	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Americium-241	pCi/g	<.224	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Americium-241	pCi/g	<.245	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Americium-241	pCi/g	<.253	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Americium-241	pCi/g	<.246	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Americium-241	pCi/g	<.21	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Americium-241	pCi/g	<.137	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Antimony-124	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Antimony-124	pCi/g	<.0262	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Antimony-124	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Antimony-124	pCi/g	<.0586	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Antimony-124	pCi/g	<.0331	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Antimony-124	pCi/g	<.0318	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Antimony-124	pCi/g	<.0272	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Antimony-124	pCi/g	<.0337	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Antimony-124	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Antimony-124	pCi/g	<.0234	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Antimony-124	pCi/g	<.0185	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Antimony-125	pCi/g	<.0923	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Antimony-125	pCi/g	<.0852	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Antimony-125	pCi/g	<.0777	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Antimony-125	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Antimony-125	pCi/g	<.0864	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Antimony-125	pCi/g	<.0858	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Antimony-125	pCi/g	<.0807	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Antimony-125	pCi/g	<.0858	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Antimony-125	pCi/g	<.0925	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Antimony-125	pCi/g	<.0685	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Antimony-125	pCi/g	<.0594	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Antimony-126	pCi/g	<.0274	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Antimony-126	pCi/g	<.0311	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Antimony-126	pCi/g	<.0285	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Antimony-126	pCi/g	<.0605	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Antimony-126	pCi/g	<.029	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Antimony-126	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Antimony-126	pCi/g	<.0261	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Antimony-126	pCi/g	<.0312	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Antimony-126	pCi/g	<.0354	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Antimony-126	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Antimony-126	pCi/g	<.0211	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Barium-133	pCi/g	<.0409	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Barium-133	pCi/g	<.0404	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Barium-133	pCi/g	<.0421	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Barium-133	pCi/g	<.0932	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Barium-133	pCi/g	<.0478	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Barium-133	pCi/g	<.0437	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Barium-133	pCi/g	<.0477	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Barium-133	pCi/g	<.0447	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Barium-133	pCi/g	<.0356	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Barium-133	pCi/g	<.039	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Barium-133	pCi/g	<.0295	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Barium-140	pCi/g	<.121	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Barium-140	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Barium-140	pCi/g	<.104	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Barium-140	pCi/g	<.242	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160367	F	0	Barium-140	pCi/g	<.109	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Barium-140	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Barium-140	pCi/g	<.122	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Barium-140	pCi/g	<.119	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Barium-140	pCi/g	<.108	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Barium-140	pCi/g	<.0977	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Barium-140	pCi/g	<.0745	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Beryllium-7	pCi/g	<.258	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Beryllium-7	pCi/g	<.229	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Beryllium-7	pCi/g	<.287	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Beryllium-7	pCi/g	<.546	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Beryllium-7	pCi/g	<.289	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Beryllium-7	pCi/g	<.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Beryllium-7	pCi/g	<.222	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Beryllium-7	pCi/g	.533		0.244	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Beryllium-7	pCi/g	<.272	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Beryllium-7	pCi/g	<.256	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Beryllium-7	pCi/g	<.172	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Bismuth-207	pCi/g	<.0361	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Bismuth-207	pCi/g	<.0365	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Bismuth-207	pCi/g	<.0319	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Bismuth-207	pCi/g	<.0591	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Bismuth-207	pCi/g	<.038	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Bismuth-207	pCi/g	<.0329	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Bismuth-207	pCi/g	<.0369	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Bismuth-207	pCi/g	<.0349	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Bismuth-207	pCi/g	<.0369	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Bismuth-207	pCi/g	<.0268	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Bismuth-207	pCi/g	<.0216	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Bismuth-212	pCi/g	.899		0.284	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Bismuth-212	pCi/g	.719		0.376	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Bismuth-212	pCi/g	1.04		0.405	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Bismuth-212	pCi/g	9.48		1	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Bismuth-212	pCi/g	.646		0.296	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Bismuth-212	pCi/g	.775		0.342	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Bismuth-212	pCi/g	<.379	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Bismuth-212	pCi/g	.902		0.401	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Bismuth-212	pCi/g	.624		0.374	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Bismuth-212	pCi/g	.723		0.263	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Bismuth-212	pCi/g	.804		0.247	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Bismuth-214	pCi/g	<.156	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Bismuth-214	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Bismuth-214	pCi/g	.579		0.138	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Bismuth-214	pCi/g	.444		0.249	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Bismuth-214	pCi/g	.709		0.126	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Bismuth-214	pCi/g	.555		0.111	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Bismuth-214	pCi/g	.541		0.114	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Bismuth-214	pCi/g	.496		0.114	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Bismuth-214	pCi/g	.571		0.112	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Bismuth-214	pCi/g	.385		0.0979	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Bismuth-214	pCi/g	.592		0.0736	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cadmium-109	pCi/g	<1.08	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cadmium-109	pCi/g	<.986	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cadmium-109	pCi/g	<1.12	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cadmium-109	pCi/g	<1.05	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cadmium-109	pCi/g	<1.1	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cadmium-109	pCi/g	<1.01	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cadmium-109	pCi/g	<1.06	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cadmium-109	pCi/g	<.977	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160372	F	0	Cadmium-109	pCi/g	<.856	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cerium-139	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cerium-139	pCi/g	<.0258	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cerium-139	pCi/g	<.0269	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cerium-139	pCi/g	<.056	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cerium-139	pCi/g	<.0277	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cerium-139	pCi/g	<.0281	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cerium-139	pCi/g	<.0283	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cerium-139	pCi/g	<.028	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cerium-139	pCi/g	<.0274	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cerium-139	pCi/g	<.0223	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cerium-139	pCi/g	<.0173	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cerium-144	pCi/g	<.196	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cerium-144	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cerium-144	pCi/g	<.197	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cerium-144	pCi/g	<.456	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cerium-144	pCi/g	<.201	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cerium-144	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cerium-144	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cerium-144	pCi/g	<.212	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cerium-144	pCi/g	<.177	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cerium-144	pCi/g	<.164	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cerium-144	pCi/g	<.128	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cesium-134	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cesium-134	pCi/g	<.0239	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cesium-134	pCi/g	<.0264	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cesium-134	pCi/g	<.0575	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cesium-134	pCi/g	<.0275	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cesium-134	pCi/g	<.0263	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cesium-134	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cesium-134	pCi/g	<.0279	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cesium-134	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cesium-134	pCi/g	<.0232	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cesium-134	pCi/g	<.0163	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cesium-137	pCi/g	<.0345	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cesium-137	pCi/g	<.0306	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cesium-137	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cesium-137	pCi/g	<.0642	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cesium-137	pCi/g	<.0342	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cesium-137	pCi/g	<.0301	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cesium-137	pCi/g	<.0295	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cesium-137	pCi/g	<.0468	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cesium-137	pCi/g	<.0263	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cesium-137	pCi/g	.0601		0.0387	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cesium-137	pCi/g	.0386		0.0273	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Chromium-51	pCi/g	<.281	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Chromium-51	pCi/g	<.291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Chromium-51	pCi/g	<.25	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Chromium-51	pCi/g	<.602	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Chromium-51	pCi/g	<.311	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Chromium-51	pCi/g	<.298	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Chromium-51	pCi/g	<.292	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Chromium-51	pCi/g	<.285	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Chromium-51	pCi/g	<.255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Chromium-51	pCi/g	<.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Chromium-51	pCi/g	<.194	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cobalt-56	pCi/g	<.0438	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cobalt-56	pCi/g	<.0413	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cobalt-56	pCi/g	<.0374	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160366	F	0	Cobalt-56	pCi/g	<.0572	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cobalt-56	pCi/g	<.045	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cobalt-56	pCi/g	<.0389	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cobalt-56	pCi/g	<.0422	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cobalt-56	pCi/g	<.0456	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cobalt-56	pCi/g	<.0387	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cobalt-56	pCi/g	<.0376	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cobalt-56	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cobalt-57	pCi/g	<.026	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cobalt-57	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cobalt-57	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cobalt-57	pCi/g	<.0549	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cobalt-57	pCi/g	<.0265	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cobalt-57	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cobalt-57	pCi/g	<.0242	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cobalt-57	pCi/g	<.0248	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cobalt-57	pCi/g	<.0255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cobalt-57	pCi/g	<.0217	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cobalt-57	pCi/g	<.0169	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cobalt-58	pCi/g	<.0296	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cobalt-58	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cobalt-58	pCi/g	<.0262	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cobalt-58	pCi/g	<.0495	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cobalt-58	pCi/g	<.0375	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cobalt-58	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cobalt-58	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cobalt-58	pCi/g	<.0255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cobalt-58	pCi/g	<.0274	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cobalt-58	pCi/g	<.0237	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cobalt-58	pCi/g	<.0173	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Cobalt-60	pCi/g	<.0455	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Cobalt-60	pCi/g	<.0373	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Cobalt-60	pCi/g	<.0354	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Cobalt-60	pCi/g	<.0543	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Cobalt-60	pCi/g	<.0354	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Cobalt-60	pCi/g	<.0427	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Cobalt-60	pCi/g	<.041	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Cobalt-60	pCi/g	<.0383	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Cobalt-60	pCi/g	<.037	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Cobalt-60	pCi/g	<.0347	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Cobalt-60	pCi/g	<.0252	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Copper-64	pCi/g	<274	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Copper-64	pCi/g	<295	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Copper-64	pCi/g	<294	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Copper-64	pCi/g	<482	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Copper-64	pCi/g	<285	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Copper-64	pCi/g	<830	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Copper-64	pCi/g	<837	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Copper-64	pCi/g	<729	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Copper-64	pCi/g	<660	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Copper-64	pCi/g	<822	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Copper-64	pCi/g	<1040	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Europium-152	pCi/g	<.0815	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Europium-152	pCi/g	<.0771	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Europium-152	pCi/g	<.0696	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Europium-152	pCi/g	<.167	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Europium-152	pCi/g	<.0782	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Europium-152	pCi/g	<.0745	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Europium-152	pCi/g	<.0729	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160370	F	0	Europium-152	pCi/g	<.0776	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Europium-152	pCi/g	<.0754	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Europium-152	pCi/g	<.0648	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Europium-152	pCi/g	<.0499	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Europium-154	pCi/g	<.146	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Europium-154	pCi/g	<.137	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Europium-154	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Europium-154	pCi/g	<.241	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Europium-154	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Europium-154	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Europium-154	pCi/g	<.131	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Europium-154	pCi/g	<.138	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Europium-154	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Europium-154	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Europium-154	pCi/g	<.0866	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Europium-155	pCi/g	<.121	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Europium-155	pCi/g	<.124	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Europium-155	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Europium-155	pCi/g	<.135	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Europium-155	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Europium-155	pCi/g	<.121	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Europium-155	pCi/g	<.13	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Europium-155	pCi/g	<.12	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Europium-155	pCi/g	<.0998	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Europium-155	pCi/g	<.0791	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Gadolinium-153	pCi/g	<.0807	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Gadolinium-153	pCi/g	<.0787	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Gadolinium-153	pCi/g	<.0833	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Gadolinium-153	pCi/g	.419		0.206	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Gadolinium-153	pCi/g	<.0902	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Gadolinium-153	pCi/g	<.0875	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Gadolinium-153	pCi/g	<.0807	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Gadolinium-153	pCi/g	<.0792	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Gadolinium-153	pCi/g	<.0789	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Gadolinium-153	pCi/g	<.074	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Gadolinium-153	pCi/g	<.0546	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Iodine-129	pCi/g	2.77		2.12	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Iodine-131	pCi/g	<.0396	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160364	F	0	Iodine-131	pCi/g	<.0346	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Iodine-131	pCi/g	<.0387	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Iodine-131	pCi/g	<.0864	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Iodine-131	pCi/g	<.0424	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Iodine-131	pCi/g	<.0422	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Iodine-131	pCi/g	<.0386	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Iodine-131	pCi/g	<.0415	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Iodine-131	pCi/g	<.0467	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Iodine-131	pCi/g	<.0399	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Iodine-131	pCi/g	<.0288	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Iridium-192	pCi/g	<.0323	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Iridium-192	pCi/g	<.0333	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Iridium-192	pCi/g	<.0375	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Iridium-192	pCi/g	<.0706	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Iridium-192	pCi/g	<.0356	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Iridium-192	pCi/g	<.0316	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Iridium-192	pCi/g	<.0323	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Iridium-192	pCi/g	<.0328	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Iridium-192	pCi/g	<.0349	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Iridium-192	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Iridium-192	pCi/g	<.0195	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Iron-59	pCi/g	<.0612	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Iron-59	pCi/g	<.0768	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Iron-59	pCi/g	<.0625	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Iron-59	pCi/g	<.091	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Iron-59	pCi/g	<.0567	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Iron-59	pCi/g	<.0662	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Iron-59	pCi/g	<.0663	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Iron-59	pCi/g	<.0585	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Iron-59	pCi/g	<.0679	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Iron-59	pCi/g	<.0531	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Iron-59	pCi/g	<.0435	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Lanthanum-140	pCi/g	<.0793	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Lanthanum-140	pCi/g	<.0478	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Lanthanum-140	pCi/g	<.0714	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Lanthanum-140	pCi/g	<.121	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Lanthanum-140	pCi/g	<.0731	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Lanthanum-140	pCi/g	<.0604	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Lanthanum-140	pCi/g	<.0943	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Lanthanum-140	pCi/g	<.0623	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Lanthanum-140	pCi/g	<.0901	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Lanthanum-140	pCi/g	<.0989	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Lanthanum-140	pCi/g	<.0719	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Lead-212	pCi/g	1.08		0.0911	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Lead-212	pCi/g	1.1		0.0895	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Lead-212	pCi/g	1.35		0.121	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Lead-212	pCi/g	13.5		0.284	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Lead-212	pCi/g	1.04		0.0944	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160368	F	0	Lead-212	pCi/g	1.13		0.0946	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Lead-212	pCi/g	.933		0.0904	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Lead-212	pCi/g	1.05		0.0917	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Lead-212	pCi/g	.754		0.105	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Lead-212	pCi/g	.51		0.0961	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Lead-212	pCi/g	1.02		0.0573	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Lead-214	pCi/g	.586		0.123	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Lead-214	pCi/g	.656		0.0994	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Lead-214	pCi/g	.753		0.116	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Lead-214	pCi/g	.717		0.197	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Lead-214	pCi/g	.761		0.118	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Lead-214	pCi/g	.684		0.123	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Lead-214	pCi/g	.617		0.13	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Lead-214	pCi/g	.679		0.107	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Lead-214	pCi/g	.812		0.121	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Lead-214	pCi/g	.577		0.0997	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Lead-214	pCi/g	.606		0.0632	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Manganese-54	pCi/g	<.0299	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Manganese-54	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Manganese-54	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Manganese-54	pCi/g	<.0391	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Manganese-54	pCi/g	<.0334	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Manganese-54	pCi/g	<.029	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Manganese-54	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Manganese-54	pCi/g	<.033	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Manganese-54	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Mercury-203	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Mercury-203	pCi/g	<.0319	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Mercury-203	pCi/g	<.0354	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Mercury-203	pCi/g	<.0312	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Mercury-203	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Mercury-203	pCi/g	<.0346	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Mercury-203	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Neptunium-237	pCi/g	<.255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Neptunium-237	pCi/g	<.221	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Niobium-95	pCi/g	<.159	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Niobium-95	pCi/g	<.146	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Niobium-95	pCi/g	<.156	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Niobium-95	pCi/g	<.345	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Niobium-95	pCi/g	<.173	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Niobium-95	pCi/g	<.181	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Niobium-95	pCi/g	<.199	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Niobium-95	pCi/g	<.193	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Niobium-95	pCi/g	<.187	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Niobium-95	pCi/g	<.166	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Niobium-95	pCi/g	<.14	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Plutonium-239	pCi/g	<399	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Plutonium-239	pCi/g	<410	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Plutonium-239	pCi/g	<428	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Plutonium-239	pCi/g	<1070	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Plutonium-239	pCi/g	<414	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Plutonium-239	pCi/g	<405	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Plutonium-239	pCi/g	<425	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Plutonium-239	pCi/g	<404	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Plutonium-239	pCi/g	<399	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Plutonium-239	pCi/g	<333	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Plutonium-239	pCi/g	<254	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Potassium-40	pCi/g	17.1		1.24	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Potassium-40	pCi/g	15.2		1.1	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160365	F	0	Potassium-40	pCi/g	15.6		1.08	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Potassium-40	pCi/g	15.6		1.29	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Potassium-40	pCi/g	17.3		1.21	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Potassium-40	pCi/g	16.2		1.13	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Potassium-40	pCi/g	19		1.18	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Potassium-40	pCi/g	15.9		1.14	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Potassium-40	pCi/g	17		1.17	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Potassium-40	pCi/g	19.4		1.11	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Potassium-40	pCi/g	19		0.8	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Protactinium-231	pCi/g	<1.44	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Protactinium-231	pCi/g	<1.45	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Protactinium-231	pCi/g	<1.33	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Protactinium-231	pCi/g	<1.56	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Protactinium-231	pCi/g	<1.47	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Protactinium-231	pCi/g	<1.31	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Protactinium-231	pCi/g	<1	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Protactinium-231	pCi/g	<.848	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Protactinium-233	pCi/g	<.0726	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Protactinium-233	pCi/g	<.0574	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Protactinium-233	pCi/g	<.0631	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Protactinium-233	pCi/g	<.13	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Protactinium-233	pCi/g	<.0575	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Protactinium-233	pCi/g	<.0628	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Protactinium-233	pCi/g	<.0662	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Protactinium-233	pCi/g	<.0559	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Protactinium-233	pCi/g	<.0607	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Protactinium-233	pCi/g	<.0554	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Protactinium-233	pCi/g	<.0434	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Radium-224	pCi/g	2.05		1.44	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Radium-224	pCi/g	1.73		1.15	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Radium-224	pCi/g	<1.03	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Radium-224	pCi/g	17.4		3.08	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Radium-224	pCi/g	2.36		1.63	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Radium-224	pCi/g	1.77		1.33	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Radium-224	pCi/g	1.8		1.04	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Radium-224	pCi/g	9.09		1.26	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Radium-224	pCi/g	<.748	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Radium-224	pCi/g	2.56		0.878	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Radium-226	pCi/g	1.03		0.809	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Radium-226	pCi/g	1.75		0.897	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Radium-226	pCi/g	1.29		0.931	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Radium-226	pCi/g	<1.55	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Radium-226	pCi/g	1.56		0.946	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Radium-226	pCi/g	1.87		0.862	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Radium-226	pCi/g	1.61		0.824	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Radium-226	pCi/g	1.64		1.2	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Radium-226	pCi/g	1.97		1.06	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Radium-226	pCi/g	1.55		0.699	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Radium-226	pCi/g	1.34		0.583	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Radium-228	pCi/g	1.15		0.23	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Radium-228	pCi/g	1.18		0.19	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Radium-228	pCi/g	1.5		0.311	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Radium-228	pCi/g	14.6		0.608	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Radium-228	pCi/g	1.18		0.252	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Radium-228	pCi/g	1.15		0.243	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Radium-228	pCi/g	1.11		0.26	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Radium-228	pCi/g	1.19		0.216	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Radium-228	pCi/g	.958		0.189	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Radium-228	pCi/g	.685		0.227	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160373	F	0	Radium-228	pCi/g	.944		0.164	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Ruthenium-103	pCi/g	<.0291	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Ruthenium-103	pCi/g	<.0216	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Ruthenium-103	pCi/g	<.0295	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Ruthenium-103	pCi/g	<.0614	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Ruthenium-103	pCi/g	<.0292	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Ruthenium-103	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Ruthenium-103	pCi/g	<.0248	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Ruthenium-103	pCi/g	<.0296	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Ruthenium-103	pCi/g	<.0281	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Ruthenium-103	pCi/g	<.0209	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Ruthenium-103	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Ruthenium-106	pCi/g	<.262	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Ruthenium-106	pCi/g	<.231	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Ruthenium-106	pCi/g	<.273	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Ruthenium-106	pCi/g	<.632	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Ruthenium-106	pCi/g	<.28	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Ruthenium-106	pCi/g	<.259	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Ruthenium-106	pCi/g	<.239	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Ruthenium-106	pCi/g	<.23	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Ruthenium-106	pCi/g	<.201	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Ruthenium-106	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Scandium-46	pCi/g	<.028	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Scandium-46	pCi/g	<.0247	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Scandium-46	pCi/g	<.0255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Scandium-46	pCi/g	<.0479	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Scandium-46	pCi/g	<.032	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Scandium-46	pCi/g	<.0251	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Scandium-46	pCi/g	<.0263	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Scandium-46	pCi/g	<.0345	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Scandium-46	pCi/g	<.0247	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Scandium-46	pCi/g	<.0281	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Scandium-46	pCi/g	<.0187	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Silver-110	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Silver-110	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Silver-110	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Silver-110	pCi/g	<.0575	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Silver-110	pCi/g	<.0229	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Silver-110	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Silver-110	pCi/g	<.0222	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Silver-110	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Silver-110	pCi/g	<.0255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Silver-110	pCi/g	<.021	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Silver-110	pCi/g	<.0178	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Sodium-22	pCi/g	<.0337	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Sodium-22	pCi/g	<.0264	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Sodium-22	pCi/g	<.0344	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Sodium-22	pCi/g	<.0579	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Sodium-22	pCi/g	<.0492	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Sodium-22	pCi/g	<.0413	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Sodium-22	pCi/g	<.0337	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Sodium-22	pCi/g	<.038	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Sodium-22	pCi/g	<.0374	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Sodium-22	pCi/g	<.0308	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Sodium-22	pCi/g	<.0245	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Sodium-24	pCi/g	<.405	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Sodium-24	pCi/g	<.268	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Sodium-24	pCi/g	<.377	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Sodium-24	pCi/g	<.792	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160367	F	0	Sodium-24	pCi/g	<.578	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Sodium-24	pCi/g	<.997	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Sodium-24	pCi/g	<1	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Sodium-24	pCi/g	<1.14	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Sodium-24	pCi/g	<1.25	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Sodium-24	pCi/g	<1.17	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Sodium-24	pCi/g	<1.2	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Strontium-85	pCi/g	<.0299	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Strontium-85	pCi/g	<.0267	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Strontium-85	pCi/g	<.0317	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Strontium-85	pCi/g	<.0549	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Strontium-85	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Strontium-85	pCi/g	<.0277	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Strontium-85	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Strontium-85	pCi/g	<.0316	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Strontium-85	pCi/g	<.0238	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Strontium-85	pCi/g	<.0243	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Strontium-85	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Tantalum-182	pCi/g	<.262	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Tantalum-182	pCi/g	<.257	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Tantalum-182	pCi/g	<.227	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Tantalum-182	pCi/g	<.316	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Tantalum-182	pCi/g	<.259	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Tantalum-182	pCi/g	<.26	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Tantalum-182	pCi/g	<.254	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Tantalum-182	pCi/g	<.213	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Tantalum-182	pCi/g	<.251	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Tantalum-182	pCi/g	<.206	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Tantalum-182	pCi/g	<.162	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Tellurium-123M	pCi/g	<.0278	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Tellurium-123M	pCi/g	<.0255	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Tellurium-123M	pCi/g	<.0269	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Tellurium-123M	pCi/g	<.0563	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Tellurium-123M	pCi/g	<.0261	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Tellurium-123M	pCi/g	<.0265	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Tellurium-123M	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Tellurium-123M	pCi/g	<.0247	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Tellurium-123M	pCi/g	<.0249	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Tellurium-123M	pCi/g	<.0221	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Tellurium-123M	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thallium-201	pCi/g	<.384	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thallium-201	pCi/g	<.351	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thallium-201	pCi/g	<.367	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thallium-201	pCi/g	<.841	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thallium-201	pCi/g	<.385	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thallium-201	pCi/g	<.477	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thallium-201	pCi/g	<.467	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thallium-201	pCi/g	<.482	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thallium-201	pCi/g	<.452	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thallium-201	pCi/g	<.39	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thallium-201	pCi/g	<.332	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thallium-208	pCi/g	1.07		0.167	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thallium-208	pCi/g	1.06		0.154	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thallium-208	pCi/g	1.34		0.197	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thallium-208	pCi/g	12.4		0.483	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thallium-208	pCi/g	.911		0.2	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thallium-208	pCi/g	.996		0.183	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thallium-208	pCi/g	.944		0.143	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thallium-208	pCi/g	.926		0.193	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160371	F	0	Thallium-208	pCi/g	.7		0.149	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thallium-208	pCi/g	.538		0.13	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thallium-208	pCi/g	.904		0.12	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-227	pCi/g	<.218	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-227	pCi/g	<.197	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-227	pCi/g	<.214	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thorium-227	pCi/g	<.476	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thorium-227	pCi/g	<.224	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thorium-227	pCi/g	<.218	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-227	pCi/g	<.235	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-227	pCi/g	<.214	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-227	pCi/g	<.207	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-227	pCi/g	<.189	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-227	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-228	pCi/g	1.08		0.0907	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-228	pCi/g	1.1		0.0891	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-228	pCi/g	1.35		0.12	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thorium-228	pCi/g	13.5		0.283	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thorium-228	pCi/g	1.03		0.0939	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thorium-228	pCi/g	1.12		0.0941	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-228	pCi/g	.929		0.09	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-228	pCi/g	1.04		0.0913	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-228	pCi/g	.751		0.104	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-228	pCi/g	.508		0.0957	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-228	pCi/g	1.01		0.057	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-229	pCi/g	<.107	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-229	pCi/g	<.117	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-229	pCi/g	<.112	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thorium-229	pCi/g	<.28	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thorium-229	pCi/g	<.123	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thorium-229	pCi/g	<.116	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-229	pCi/g	<.116	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-229	pCi/g	<.113	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-229	pCi/g	<.108	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-229	pCi/g	<.0924	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-229	pCi/g	<.0731	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-231	pCi/g	<.471	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-231	pCi/g	<.414	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-231	pCi/g	<.429	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-231	pCi/g	<.421	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-231	pCi/g	<.455	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-231	pCi/g	<.442	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-231	pCi/g	<.386	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-231	pCi/g	.364		0.278	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-232	pCi/g	1.15		0.23	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-232	pCi/g	1.18		0.19	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-232	pCi/g	1.5		0.311	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thorium-232	pCi/g	14.6		0.608	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Thorium-232	pCi/g	1.18		0.252	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thorium-232	pCi/g	1.15		0.243	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-232	pCi/g	1.11		0.26	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-232	pCi/g	1.19		0.216	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-232	pCi/g	.958		0.189	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-232	pCi/g	.685		0.227	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-232	pCi/g	.944		0.164	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Thorium-234	pCi/g	1.71		0.83	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Thorium-234	pCi/g	<.609	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Thorium-234	pCi/g	2.79		0.751	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Thorium-234	pCi/g	<1.46	U	9999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160367	F	0	Thorium-234	pCi/g	1.56		0.705	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Thorium-234	pCi/g	<.651	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Thorium-234	pCi/g	<.647	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Thorium-234	pCi/g	<.615	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Thorium-234	pCi/g	<.626	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Thorium-234	pCi/g	<.54	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Thorium-234	pCi/g	<.41	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Tin-113	pCi/g	<.0446	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Tin-113	pCi/g	<.0424	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Tin-113	pCi/g	<.0451	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Tin-113	pCi/g	<.101	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Tin-113	pCi/g	<.0488	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Tin-113	pCi/g	<.0465	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Tin-113	pCi/g	<.0451	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Tin-113	pCi/g	<.0444	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Tin-113	pCi/g	<.0445	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Tin-113	pCi/g	<.0369	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Tin-113	pCi/g	<.0304	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Uranium-234	pCi/g	<17.9	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Uranium-234	pCi/g	<17.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Uranium-234	pCi/g	<17.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Uranium-234	pCi/g	<38.5	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Uranium-234	pCi/g	<19.8	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Uranium-234	pCi/g	<20	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Uranium-234	pCi/g	<17.3	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Uranium-234	pCi/g	<18.9	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Uranium-234	pCi/g	<17.1	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Uranium-234	pCi/g	<15	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Uranium-234	pCi/g	<10.9	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Uranium-235	pCi/g	<.0527	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Uranium-235	pCi/g	<.0554	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Uranium-235	pCi/g	<.0528	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Uranium-235	pCi/g	<.0952	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Uranium-235	pCi/g	<.0538	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Uranium-235	pCi/g	<.06	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Uranium-235	pCi/g	<.0554	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Uranium-235	pCi/g	<.0582	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Uranium-235	pCi/g	<.0567	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Uranium-235	pCi/g	<.0494	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Uranium-235	pCi/g	<.0357	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Uranium-238	pCi/g	1.71		0.829	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Uranium-238	pCi/g	<.607	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Uranium-238	pCi/g	2.78		0.75	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Uranium-238	pCi/g	<1.45	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Uranium-238	pCi/g	1.56		0.704	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Uranium-238	pCi/g	<.649	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Uranium-238	pCi/g	<.645	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Uranium-238	pCi/g	<.613	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Uranium-238	pCi/g	<.624	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Uranium-238	pCi/g	<.538	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Uranium-238	pCi/g	<.409	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Xenon-133,-133M	pCi/g	<.143	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Xenon-133,-133M	pCi/g	<.135	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Xenon-133,-133M	pCi/g	<.128	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Xenon-133,-133M	pCi/g	<.31	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Xenon-133,-133M	pCi/g	<.136	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Xenon-133,-133M	pCi/g	<.148	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Xenon-133,-133M	pCi/g	<.149	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Xenon-133,-133M	pCi/g	<.157	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TAIII	SNL0160371	F	0	Xenon-133,-133M	pCi/g	<.141	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Xenon-133,-133M	pCi/g	<.129	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Xenon-133,-133M	pCi/g	<.103	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Yttrium-88	pCi/g	<.0345	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Yttrium-88	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Yttrium-88	pCi/g	<.0274	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Yttrium-88	pCi/g	<.0525	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Yttrium-88	pCi/g	<.0403	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Yttrium-88	pCi/g	<.0317	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Yttrium-88	pCi/g	<.0264	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Yttrium-88	pCi/g	<.033	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Yttrium-88	pCi/g	<.0276	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Yttrium-88	pCi/g	<.0227	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Yttrium-88	pCi/g	<.0189	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Zinc-65	pCi/g	<.086	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Zinc-65	pCi/g	<.0672	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Zinc-65	pCi/g	<.0747	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Zinc-65	pCi/g	<.0978	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Zinc-65	pCi/g	<.0773	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Zinc-65	pCi/g	<.0729	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Zinc-65	pCi/g	<.0608	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Zinc-65	pCi/g	<.0738	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Zinc-65	pCi/g	<.0797	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Zinc-65	pCi/g	<.0693	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Zinc-65	pCi/g	<.0474	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160363	F	0	Zirconium-95	pCi/g	<.0505	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160364	F	0	Zirconium-95	pCi/g	<.0461	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160365	F	0	Zirconium-95	pCi/g	<.0501	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160366	F	0	Zirconium-95	pCi/g	<.132	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160367	F	0	Zirconium-95	pCi/g	<.0626	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160368	F	0	Zirconium-95	pCi/g	<.0593	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160369	F	0	Zirconium-95	pCi/g	<.0513	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160370	F	0	Zirconium-95	pCi/g	<.0487	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160371	F	0	Zirconium-95	pCi/g	<.057	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160372	F	0	Zirconium-95	pCi/g	<.0468	U	9999.9999	SOIL
TA3/5-78-TAIII	SNL0160373	F	0	Zirconium-95	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Actinium-227	pCi/g	<1.08	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Actinium-228	pCi/g	.442		0.104	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Americium-241	pCi/g	<.0536	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Antimony-124	pCi/g	<.0244	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Antimony-125	pCi/g	<.0549	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Antimony-126	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Barium-133	pCi/g	<.0306	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Barium-140	pCi/g	<.0825	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Beryllium-7	pCi/g	<.206	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Bismuth-207	pCi/g	<.0206	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Bismuth-212	pCi/g	<.244	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Bismuth-214	pCi/g	<.0996	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cadmium-109	pCi/g	<.605	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cerium-139	pCi/g	<.0202	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cerium-144	pCi/g	<.154	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cesium-134	pCi/g	<.0214	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Chromium-51	pCi/g	<.169	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cobalt-56	pCi/g	<.0269	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cobalt-57	pCi/g	<.0191	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cobalt-58	pCi/g	<.0214	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Cobalt-60	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Copper-64	pCi/g	<66.5	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Europium-152	pCi/g	<.0579	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TBM	SNL0160343	F	0	Europium-154	pCi/g	<.0977	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Europium-155	pCi/g	<.0766	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Gadolinium-153	pCi/g	<.0491	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Indium-115M	pCi/g	<7.97	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Iodine-131	pCi/g	<.0225	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Iridium-192	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Iron-59	pCi/g	<.0497	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Lanthanum-140	pCi/g	<.0505	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Lead-210	pCi/g	.743		0.669	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Lead-212	pCi/g	.516		0.0581	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Lead-214	pCi/g	.373		0.084	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Manganese-54	pCi/g	<.0257	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Mercury-203	pCi/g	<.0236	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Neptunium-237	pCi/g	<.15	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Niobium-95	pCi/g	<.0874	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Potassium-40	pCi/g	11.7		0.887	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Protactinium-231	pCi/g	<.812	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Protactinium-233	pCi/g	<.0471	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Radium-226	pCi/g	.418		0.23	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Radium-228	pCi/g	.489		0.115	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Ruthenium-103	pCi/g	<.0182	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Ruthenium-106	pCi/g	<.208	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Scandium-46	pCi/g	<.0216	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Silver-110	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Sodium-22	pCi/g	<.0332	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Sodium-24	pCi/g	<.115	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Strontium-85	pCi/g	<.023	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Tantalum-182	pCi/g	<.211	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thallium-201	pCi/g	<.214	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thallium-208	pCi/g	.368		0.112	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-227	pCi/g	<.156	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-228	pCi/g	.514		0.0578	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-229	pCi/g	<.0825	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-231	pCi/g	<.23	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-232	pCi/g	.489		0.115	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Thorium-234	pCi/g	.815		0.376	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Tin-113	pCi/g	<.0276	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Uranium-234	pCi/g	<2.88	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Uranium-235	pCi/g	<.0409	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Uranium-238	pCi/g	.814		0.375	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Xenon-133,-133M	pCi/g	<.0587	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Yttrium-88	pCi/g	<.0282	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Zinc-65	pCi/g	<.059	U	9999.9999	SOIL
TA3/5-78-TBM	SNL0160343	F	0	Zirconium-95	pCi/g	<.0453	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Actinium-227	pCi/g	<.998	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Actinium-227	pCi/g	<.935	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Actinium-228	pCi/g	.592		0.131	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Actinium-228	pCi/g	.535		0.12	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Americium-241	pCi/g	<.0499	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Americium-241	pCi/g	<.0484	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Antimony-124	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Antimony-124	pCi/g	<.0172	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Antimony-125	pCi/g	<.0475	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Antimony-125	pCi/g	<.0432	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Antimony-126	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Antimony-126	pCi/g	<.0186	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Barium-133	pCi/g	<.0241	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TBM-COMP	SNL0160348	F	0	Barium-133	pCi/g	<.0215	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Barium-140	pCi/g	<.0594	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Barium-140	pCi/g	<.0599	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Beryllium-7	pCi/g	<.147	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Beryllium-7	pCi/g	<.137	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Bismuth-207	pCi/g	<.0158	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Bismuth-207	pCi/g	<.015	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Bismuth-212	pCi/g	.369		0.169	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Bismuth-212	pCi/g	.275		0.173	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Bismuth-214	pCi/g	.426		0.0851	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Bismuth-214	pCi/g	.451		0.0621	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cadmium-109	pCi/g	<.47	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cerium-139	pCi/g	<.0175	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cerium-139	pCi/g	<.0154	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cerium-144	pCi/g	<.127	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cerium-144	pCi/g	<.125	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cesium-134	pCi/g	<.0166	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cesium-134	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cesium-137	pCi/g	<.0214	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cesium-137	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Chromium-51	pCi/g	<.143	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Chromium-51	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cobalt-56	pCi/g	<.0204	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cobalt-56	pCi/g	<.0201	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cobalt-57	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cobalt-57	pCi/g	<.0147	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cobalt-58	pCi/g	<.0161	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cobalt-58	pCi/g	<.0145	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Cobalt-60	pCi/g	<.0294	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Cobalt-60	pCi/g	<.027	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Copper-64	pCi/g	<2.37	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Copper-64	pCi/g	<39.6	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Europium-152	pCi/g	<.049	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Europium-152	pCi/g	<.0442	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Europium-154	pCi/g	<.0994	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Europium-154	pCi/g	<.0833	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Europium-155	pCi/g	<.0619	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Gadolinium-153	pCi/g	<.0422	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Gadolinium-153	pCi/g	<.0404	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Indium-115M	pCi/g	<.00155	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Indium-115M	pCi/g	<6.26	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Iodine-125	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Iodine-129	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Iodine-131	pCi/g	<.0144	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Iodine-131	pCi/g	<.0177	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Iridium-192	pCi/g	<.017	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Iridium-192	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Iron-59	pCi/g	<.0504	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Iron-59	pCi/g	<.0373	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Lanthanum-140	pCi/g	<.0109	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Lanthanum-140	pCi/g	<.0273	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Lead-210	pCi/g	.767		0.593	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Lead-210	pCi/g	<0	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Lead-212	pCi/g	.633		0.0551	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Lead-212	pCi/g	.624		0.0483	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Lead-214	pCi/g	.524		0.0768	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Lead-214	pCi/g	.461		0.0567	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Manganese-54	pCi/g	<.0204	U	9999.9999	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TBM-COMP	SNL0160348	F	0	Manganese-54	pCi/g	<.0176	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Mercury-203	pCi/g	<.0197	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Mercury-203	pCi/g	<.019	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Neptunium-237	pCi/g	<.133	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Neptunium-237	pCi/g	<.119	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Niobium-95	pCi/g	<.0531	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Niobium-95	pCi/g	<.0722	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160305	D	0	Plutonium-238	pCi/g	-.018		0.014	SOIL
TA3/5-78-TBM-COMP	SNL0160305	F	0	Plutonium-238	pCi/g	-.011		0.013	SOIL
TA3/5-78-TBM-COMP	SNL0160305	D	0	Plutonium-239/240	pCi/g	-.02		0.014	SOIL
TA3/5-78-TBM-COMP	SNL0160305	F	0	Plutonium-239/240	pCi/g	-.014		0.012	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Potassium-40	pCi/g	16		0.807	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Potassium-40	pCi/g	14.9		0.684	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Protactinium-231	pCi/g	<.741	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Protactinium-231	pCi/g	<.66	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Protactinium-233	pCi/g	<.0351	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Protactinium-233	pCi/g	<.0325	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Radium-224	pCi/g	1.32		0.506	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Radium-226	pCi/g	.384		0.219	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Radium-226	pCi/g	1.18		0.501	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Radium-228	pCi/g	.656		0.145	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Radium-228	pCi/g	.592		0.133	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Ruthenium-103	pCi/g	<.0171	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Ruthenium-103	pCi/g	<.0136	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Ruthenium-106	pCi/g	<.17	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Ruthenium-106	pCi/g	<.134	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Scandium-46	pCi/g	<.0183	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Scandium-46	pCi/g	<.0181	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Silver-110	pCi/g	<.0165	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Silver-110	pCi/g	<.0143	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Sodium-22	pCi/g	<.0256	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Sodium-22	pCi/g	<.0239	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Sodium-24	pCi/g	<.0089	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Sodium-24	pCi/g	<.0819	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Strontium-85	pCi/g	<.0186	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Strontium-85	pCi/g	<.0185	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Tantalum-182	pCi/g	<.193	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Tantalum-182	pCi/g	<.168	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Tellurium-123M	pCi/g	<.0156	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thallium-201	pCi/g	<.114	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thallium-201	pCi/g	<.169	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thallium-208	pCi/g	.525		0.106	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thallium-208	pCi/g	.543		0.099	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-227	pCi/g	<.144	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-227	pCi/g	<.125	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Thorium-228	pCi/g	-.1		0.15	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Thorium-228	pCi/g	-.04		0.12	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-228	pCi/g	.63		0.0548	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-228	pCi/g	.621		0.048	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-229	pCi/g	<.0725	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-229	pCi/g	<.066	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Thorium-230	pCi/g	.01		0.13	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Thorium-230	pCi/g	.11		0.11	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-231	pCi/g	<.209	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-231	pCi/g	.344		0.189	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Thorium-232	pCi/g	-.04		0.09	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Thorium-232	pCi/g	.13		0.11	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-232	pCi/g	.656		0.145	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-232	pCi/g	.592		0.133	SOIL

ER Site 78 RFI Analytical Results; Gamma Spectroscopy (SNL 7715)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-78-TBM-COMP	SNL0160347	F	0	Thorium-234	pCi/g	.907		0.418	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Thorium-234	pCi/g	1.01		0.317	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Tin-113	pCi/g	<.0231	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Tin-113	pCi/g	<.0202	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160306	D	0	Tritium	pCi/g	.043		0.009	SOIL
TA3/5-78-TBM-COMP	SNL0160306	F	0	Tritium	pCi/g	.33		0.04	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Uranium-234	pCi/g	.47		0.08	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Uranium-234	pCi/g	.51		0.09	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Uranium-234	pCi/g	<2.55	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Uranium-234	pCi/g	<2.33	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Uranium-235	pCi/g	<.0344	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Uranium-235	pCi/g	<.0314	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Uranium-235/236	pCi/g	.009		0.012	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Uranium-235/236	pCi/g	.07		0.03	SOIL
TA3/5-78-TBM-COMP	SNL0160304	D	0	Uranium-238	pCi/g	.38		0.07	SOIL
TA3/5-78-TBM-COMP	SNL0160304	F	0	Uranium-238	pCi/g	.49		0.09	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Uranium-238	pCi/g	.905		0.417	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Uranium-238	pCi/g	1.01		0.317	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Xenon-133,-133M	pCi/g	<.0386	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Xenon-133,-133M	pCi/g	<.0451	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Yttrium-88	pCi/g	<.0202	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Yttrium-88	pCi/g	<.0199	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Zinc-65	pCi/g	<.0574	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Zinc-65	pCi/g	<.0497	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160347	F	0	Zirconium-95	pCi/g	<.0324	U	9999.9999	SOIL
TA3/5-78-TBM-COMP	SNL0160348	F	0	Zirconium-95	pCi/g	<.0353	U	9999.9999	SOIL

Attachment 78-2

Magnetic and Electromagnetic Surveys of Site 78: Gas Cylinder Disposal Pit, Technical Area III, Sandia National Laboratories, Lamb Associates Inc., September 1994

MAGNETIC AND ELECTROMAGNETIC SURVEYS OF SITE 78: GAS CYLINDER DISPOSAL PIT TECHNICAL AREA III SANDIA NATIONAL LABORATORIES

Task Authorization Number
12-0939-B.058

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

September 1994

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LAMB ASSOCIATES INC.

MAGNETIC AND ELECTROMAGNETIC SURVEYS

OF

SITE 78: GAS CYLINDER DISPOSAL PIT

TECHNICAL AREA III

SANDIA NATIONAL LABORATORIES

Task Authorization Number:

12-0939-B.058

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

David A. Hyndman
Dirk Van Hart
Lamb Associates, Inc.

September 1994

SUMMARY

Non-intrusive geophysical investigations have been conducted at Environmental Restoration Site 78, the Gas Cylinder Disposal Pit, in Technical Area III. High resolution magnetic and electromagnetic surveys were successful in identifying several concentrations of buried metal likely to contain fragments and intact gas cylinders.

INTRODUCTION

High resolution surface geophysical surveys have been conducted at Environmental Restoration (ER) Site 78 in preparation for remediation activities. This report documents the survey activities and presents the results of both a magnetic and electromagnetic survey.

BACKGROUND

Description of Site. ER Site 78, the Gas Cylinder Disposal Pit, is located in the southeast corner of Technical Area III at Sandia National Laboratories/New Mexico (SNL/NM) in Albuquerque, New Mexico. The site and its excavated pit are enclosed by a locked chain-link fence measuring approximately 30 m (east-west) by 60 m (north-south). The pit measures about 24 by 55 m by about 3 m deep, and is surrounded by 1 m high berms on the west, south and east. The north side is gently sloped to allow access by wheeled vehicle, the south side is quite steep, and the west and east sides are very steep to sheer. The floor is uneven and contains mounded earth.

Prior Site Usage. Prior to 1963, the area now containing Site 78 was used for the disposal of high-explosive residuals by detonation. The pit was dug in 1963, and from 1963 through the 1970s, it was used for the disposal of reactive chemicals from various SNL/NM facilities. From 1980 to 1984 it was used for the disposal of gas cylinders. The cylinders contained a variety of gases, some toxic and some unknown. A typical disposal method was to vent the gas cylinders by cutting the cylinder walls with high explosives. The last documented use of the pit was for the disposal of some 400 lecture bottles. The pit currently contains visible bottle and gas cylinder remains. There are also numerous glass shards reportedly associated with the disposal of sulphur compounds.

Risk Assessment. A risk assessment was conducted on March 4 and 5, 1994, by ETEC, Inc., of Belen, New Mexico. Their investigator entered the pit in Level "B" personal protective equipment (PPE), took surface and near-surface (2.5 cm depth) soil-gas readings with a photoionization detector and a flame ionization detector, and found no volatile organic compounds. Radiation screening located low levels of radiation in certain areas which were marked with numbered pin flags. Based on ETEC's recommendations (*ETEC Inc., Letter Report, March 9, 1994, Contract AJ-2227, Belen, New Mexico*) SNL/NM determined that a non-intrusive geophysical investigation may be performed with survey personnel in Level "C" PPE. On April 5, 1994, a SNL/NM health physicist entered the site to provide a more definitive determination of the radioactive hazards. The selection of Level "C" PPE was justified as appropriate.

GEOPHYSICAL SURVEYS

Objectives. The objectives of the geophysical investigation were 1) to locate and map subsurface concentrations of metal, particularly intact cylinders which might still contain gas, and 2) to provide guidance for future excavation activities.

A high density, vertical magnetic-gradient survey, together with a high-resolution, electromagnetic metal detection survey were employed to meet these objectives. Health and safety considerations prevented removal of metallic objects visible on the surface. Surveying over the surface metal was known to possibly obscure some subsurface burials, but careful notation of the location of surface metal was made to allow the best possible discrimination between surface and subsurface objects.

Geophysical Investigations. The geophysical investigation was conducted in three phases; 1) establishing a survey grid, 2) acquiring magnetic data, and 3) acquiring electromagnetic data.

The survey grid was established on April 5 and 7, 1994, covering the entire excavated portion of the site. A 14 m long base line was established at the southern edge of the pit. A parallel end line was established 49 m to the north. Two intermediate lines were positioned parallel to the base line. These four control lines were marked with plastic pin flags spaced at 0.5 m. The gridded area covered 686 m^2 and is shown on *Figure 1*.

Magnetic data were gathered on April 7 and 8, 1994, using a Geometrics G-856 AX proton precession magnetometer deployed in the vertical gradient mode. The bottom magnetic sensor was positioned 76 cm above the ground, and the top magnetic sensor was positioned 1.98 m above the ground, with both sensors on the same vertical staff. Spatial control during survey activities was maintained by positioning a tape, marked every 50 cm, between the base line and end line, with alignment integrity provided by the intermediate center lines. Measurements were taken at a total of 2,871 stations.

Electromagnetic data were gathered using a Geonics Ltd. EM-61 high precision metal detector. The EM-61 is an instrument only recently available for shallow buried metal surveys. A brief discussion of the operating principles of this instrument follows.

The EM-61 generates electromagnetic (EM) pulses by passing a current through a 1 m^2 coil. These pulses penetrate the subsurface and briefly induce secondary EM fields. Soil has relatively low

conductivity and the secondary fields dissipate rapidly. Buried metallic objects have essentially infinite conductivity when compared to soil, and their secondary fields persist much longer. The EM-61 measures the strength of the secondary fields during the "off time" between the primary pulses. The measurement is delayed until the response from the soil has dissipated and only the response of buried metal is present.

The secondary EM fields are measured by a 1 m^2 main sensor which is coincident with the transmitter coil, and by a second focusing coil positioned 40 cm above the main coil. Each sensor coil measures the secondary field strength during a time period between the primary pulses. Two sensor coils are used to allow differentiation between shallow objects and deeper objects.

The EM-61 was deployed in the trailer mode, towed on wheels behind the operator, with data acquisition triggered by the wheel approximately every 20 cm. Data were acquired along parallel traverses separated by 50 cm, yielding approximately 6,860 measurement stations.

Results

The magnetometer data were reduced using the MAGLOC software package (TerraSense, Inc.). Quality control checks and initial processing were performed using SURFER package (Golden Software, Inc.). Final presentations were prepared with the Geosoft Mapping and Processing System (Geosoft Inc.) The vertical magnetic gradient data are contoured in *Figure 2*.

The EM-61 data were reduced using the DAT61 program (Geonics, Ltd.). Quality control checks and initial processing were performed using the SURFER package. Final presentations were prepared with the Geosoft Mapping and Processing System. The EM-61 Channel 1 data, indicative of both surface and subsurface metal, are depicted in *Figure 3*. The differences between Channels 1 and 2, indicative of metal on the surface, are shown in *Figure 4*.

Interpretations

Three large concentrations of buried metal are identified by both the magnetic and electromagnetic results. The largest is located in the approximate center of the pit against the eastern edge, coincident with a large mound of earth. The second concentration of buried metal is at the southern end of the pit, in the area of the elevated radiation readings. Although there is some surface interference in this area, the magnetic and electromagnetic data

indicate additional buried metal. The third significant concentration of buried metal is located along the western wall of the pit, toward the northern end. This is also coincident with a mound of earth and a few exposed cylinders.

There are several scattered electromagnetic anomalies which do not correspond with observed magnetic anomalies. This indicates either non-magnetic metallic objects or objects too small to generate a magnetic field disturbance measurable by the field methods.

A separation of the surface interference from the buried metal is attempted in *Figure 5*, which depicts the positive magnetic gradient contours (red), the electromagnetic contours (black), and the surface/near surface electromagnetic information from Figure 4 (in purple).

Those areas in *Figure 5* that contain magnetic and/or electromagnetic contours that are not coincident with *Figure 4* information (purple) should be regarded as potential locations for buried gas cylinders. Contours which are coincident with *Figure 4* information are generated, at least in part, by objects visible at the surface. It must be remembered that these surface effects might be masking other, deeper, buried objects.

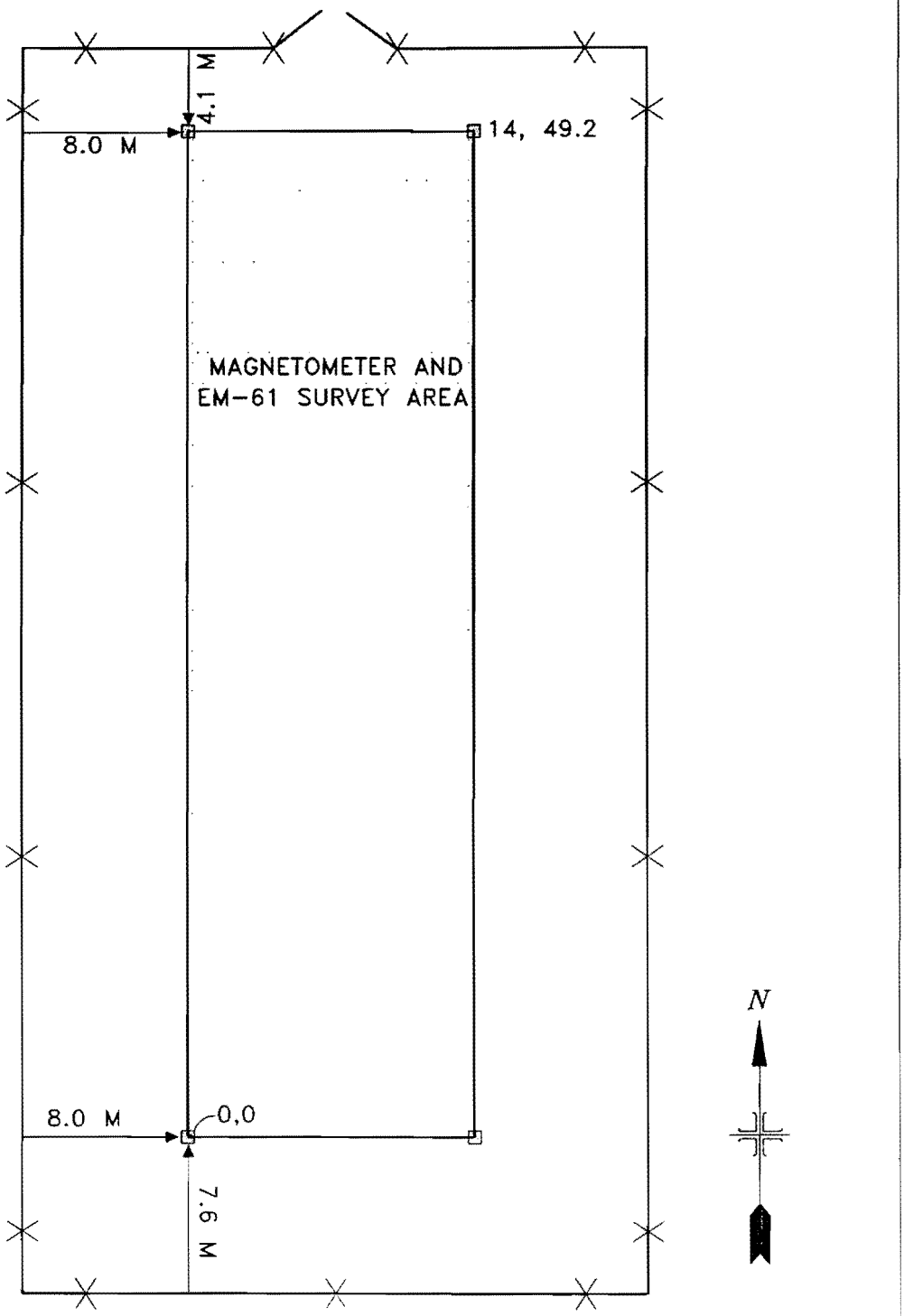


Figure 1. Site 78
Magnetometer and EM-61
Survey Coverage

0 7.5 15
METER

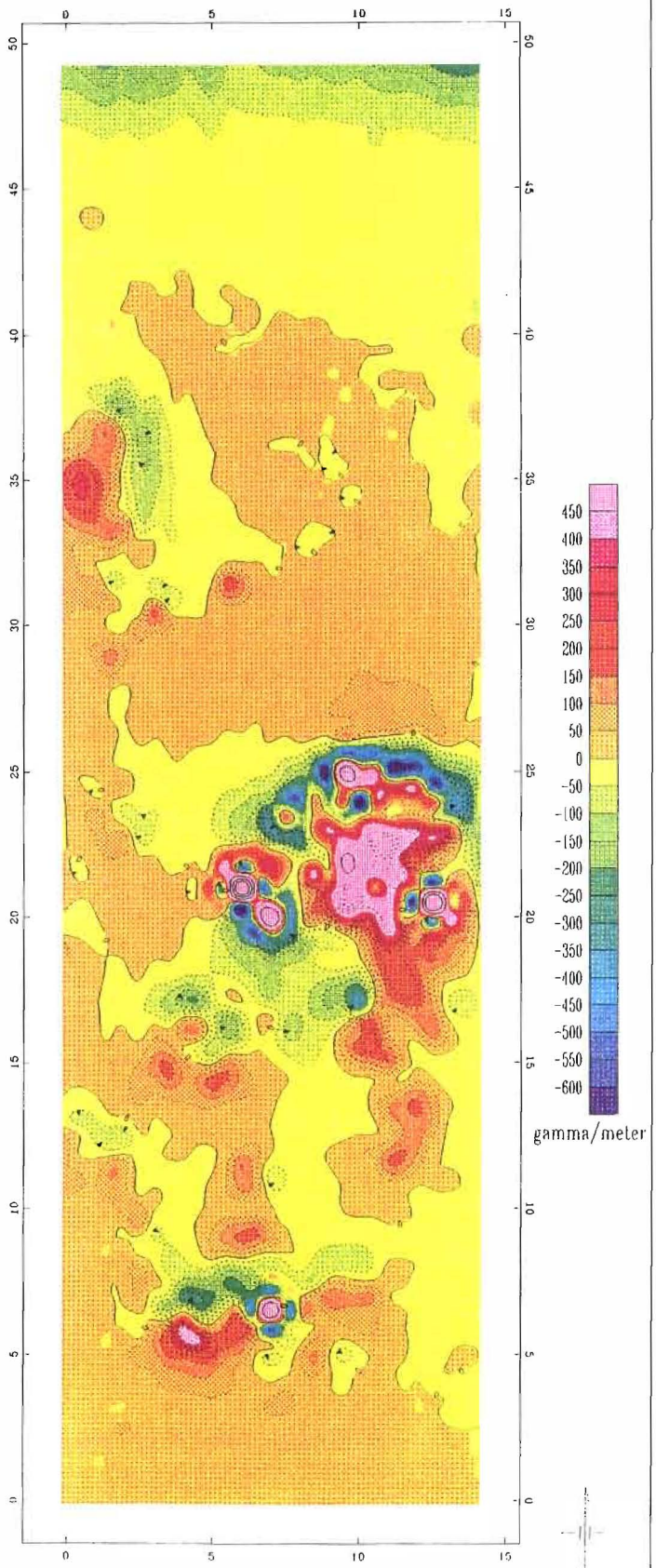


Figure 2. Site 78
Vertical Magnetic Gradient

2.5 0 2.5
(meters)

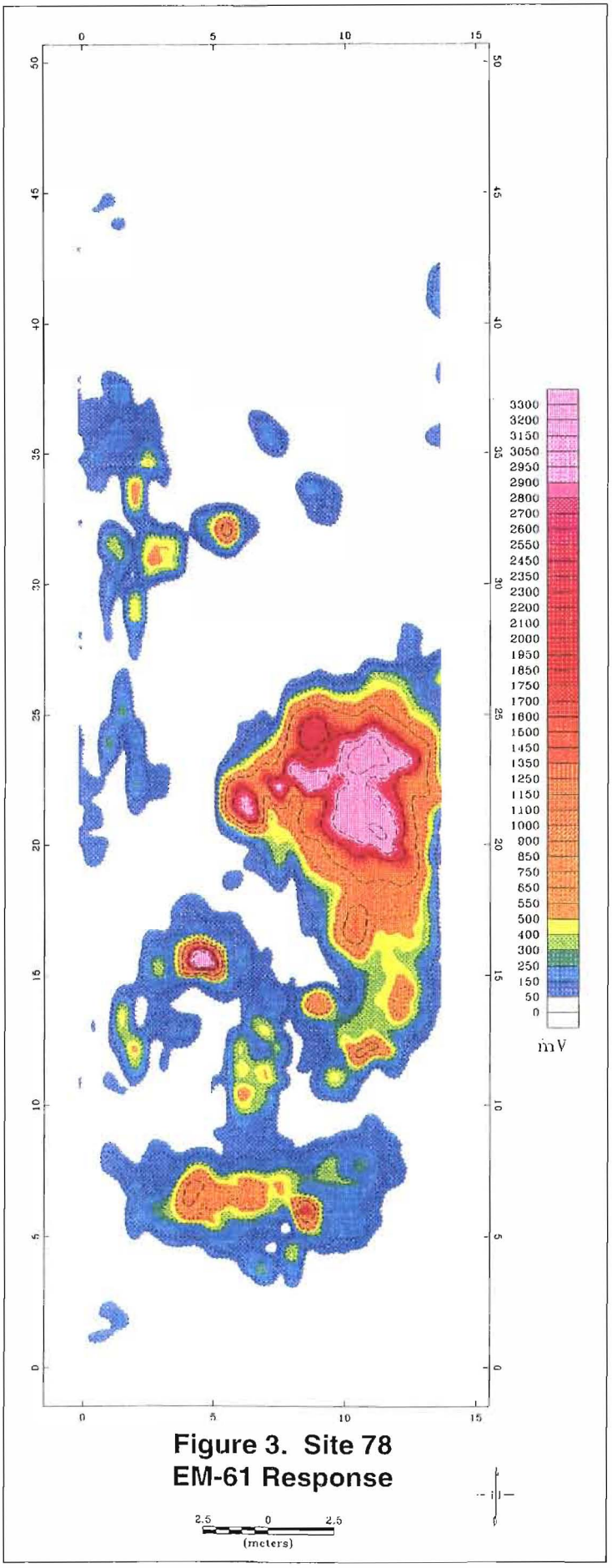


Figure 3. Site 78
EM-61 Response

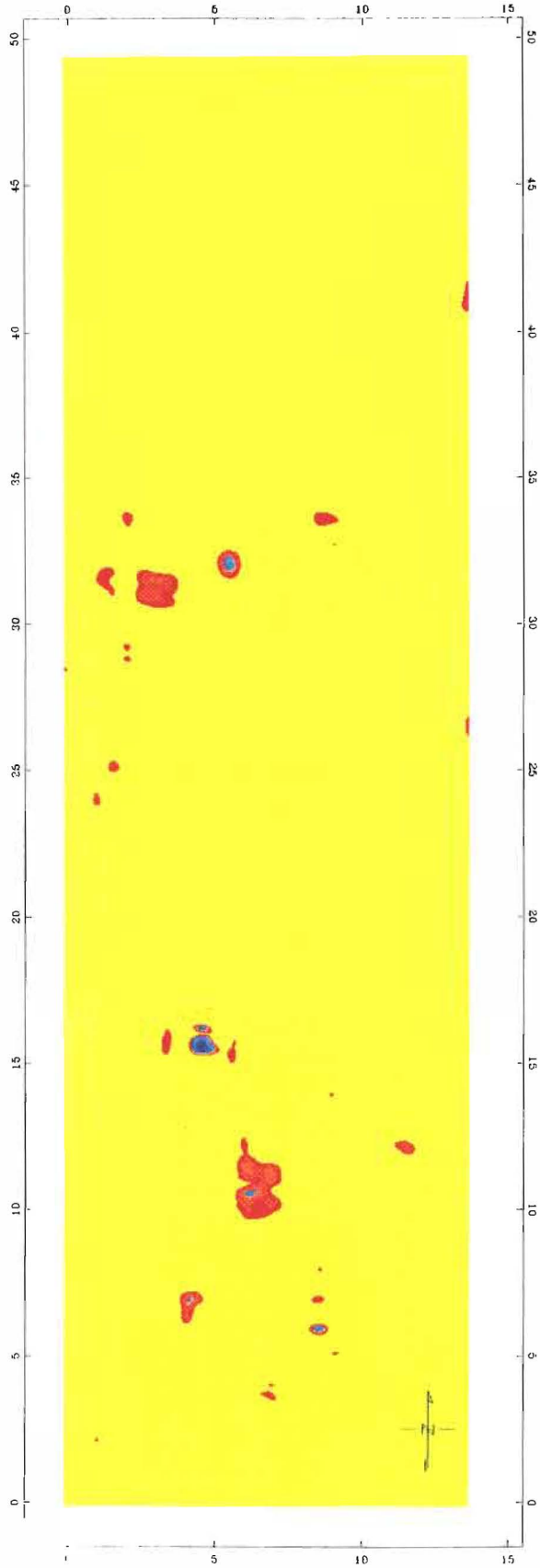


Figure 4. Site 78
Surface/Near Surface Metal

2.5 0 2.5
(meters)

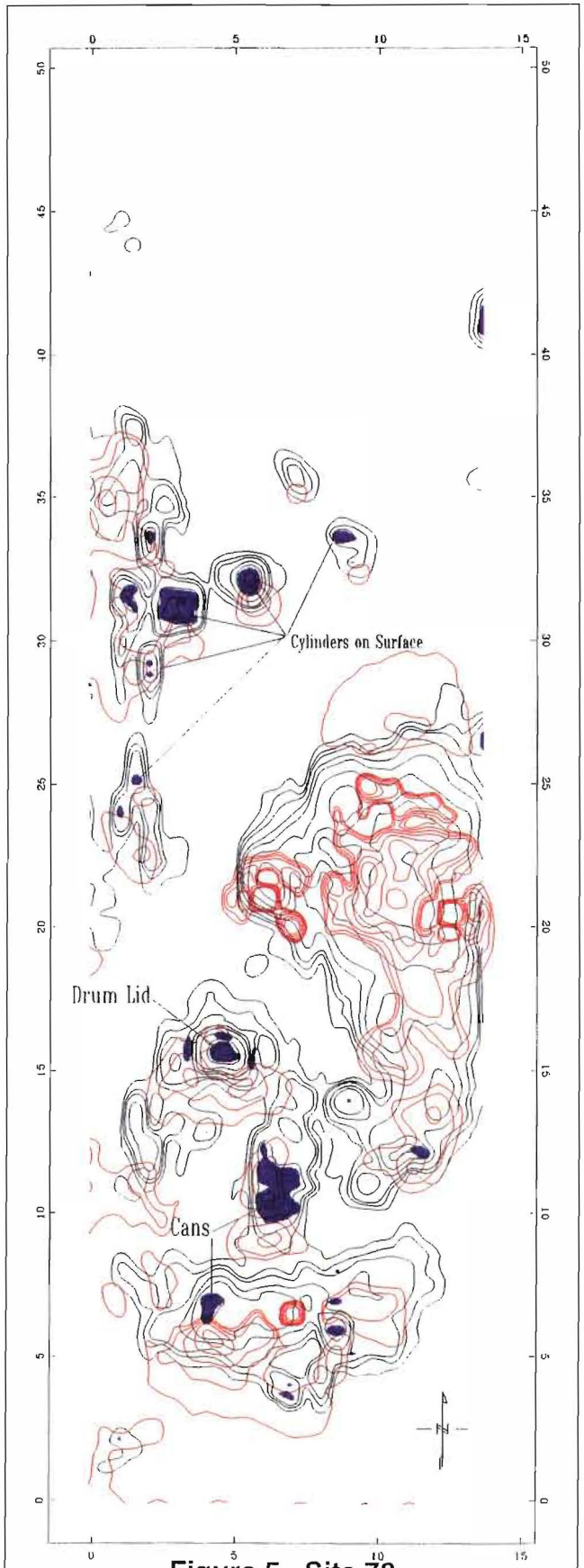
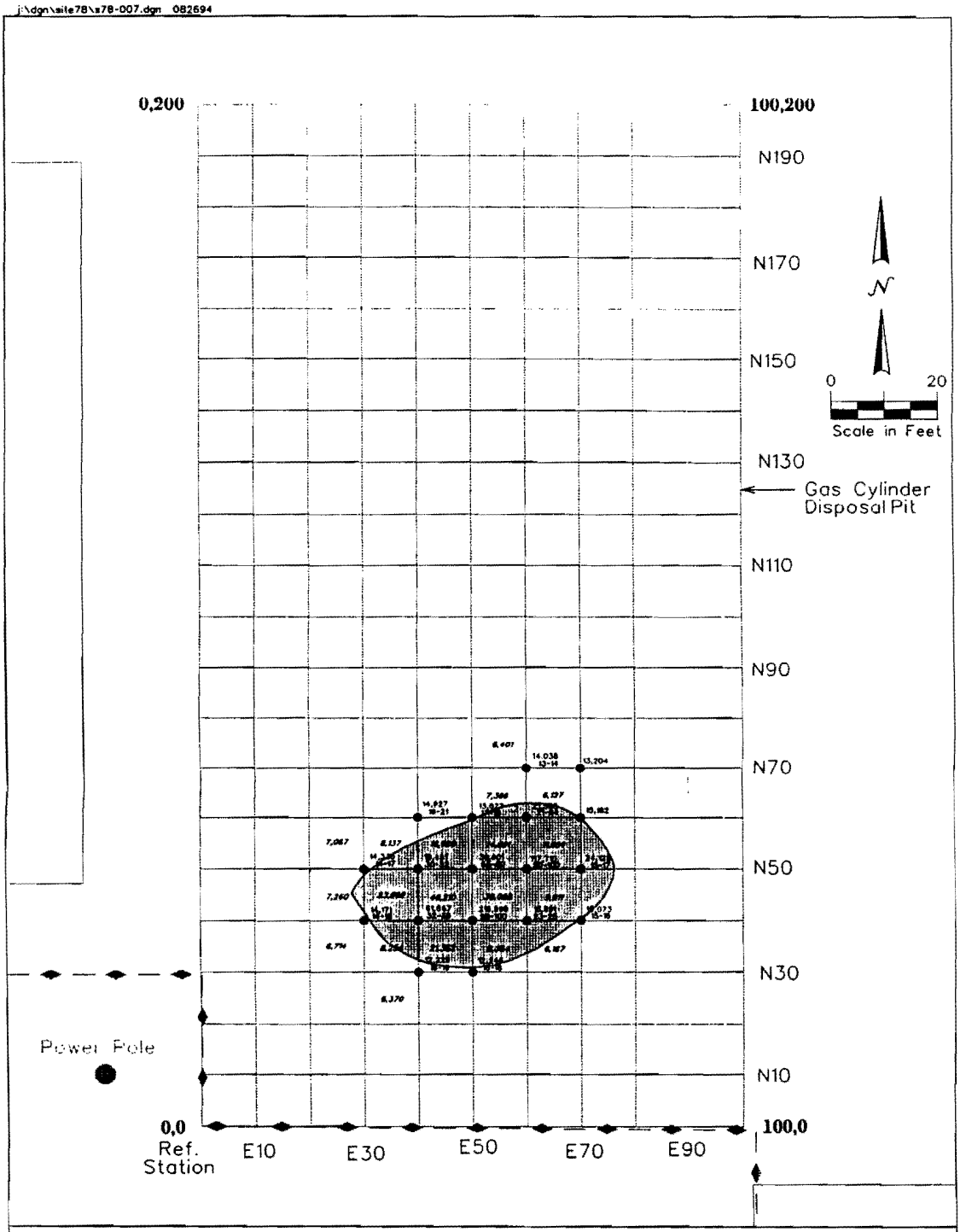


Figure 5. Site 78
Magnetic (Red) and Electromagnetic (Black) Response

Attachment 78-3

Section 3.2: Excavation/Investigation Activities of Technical Area III, Site 78, Gas Cylinder Disposal Pit Remediation Project Completion Report, prepared by Roy F. Weston and ETSC, February 1995

j:\dgn\site78\s78-007.dgn 082694



Legend

•	Sampled Node Location Above Background
14,927	Counts per Minute (cpm) Using a 2"x2" Nai model 44-10
95-100	(0.95-0.1 mR) Using a Micro R Meter Model 19
16,925	Intergrated 30 Sec. count Using a Model 44-10 2"x2" Nai Detector with a Model 2221 Scaler Meter
	Soils are "Ash Grey" color Where Elevated Radiological Readings are Identified

Background:
Measured approx. 0.3 miles of Pit Area

2"x2" Nai Model 44-10
11,560 cpm Ave.
12,520 cpm High
10,672 cpm Low

Micro R Model m-19
11-12 μR/hr Ave.
13 μR/hr High
11 μR/hr Low

Figure 2.1. Results of Preliminary Radiological Survey of GCDP.

TECHNICAL AREA III, SITE 78

GAS CYLINDER DISPOSAL PIT REMEDIATION

PROJECT COMPLETION REPORT

including the

SOIL ANALYTICS REPORT

Prepared for:

Christopher A. Aas
ER Program

Sandia National Laboratories
Albuquerque, NM

Prepared by:

Roy F. Weston, Inc.
Albuquerque, New Mexico

and

ETSC
Schaumberg, Illinois

February 1995

- Modification to the Caterpillar 200B excavator for operator protection. Two 1/2 inch thick Lexan shields were installed over the front observation window. T-size air bottles were mounted behind the cab for supplied air. A T-1 steel smooth blade was installed on the excavator bucket.

3.2 EXCAVATION/INVESTIGATION ACTIVITIES

Following site preparation, excavation in the pit was completed using an incremental approach to the excavation procedure. As shown in Figure 3.1 the pit was sectioned into four primary areas: 1) Thermal Battery Mound (TBM) (this including the area north of the gas cylinder mound), 2) Gas Cylinder Mound, 3) Slag Area, and 4) RMMA. The excavation/investigation was initiated at the north end of the pit near the TBM and proceeded to the south as the immediate area were investigated.

The excavation/investigation of four primary areas was accomplished using a combination of Level C, Level B and/or Level A personal protection. The following methods were utilized during the investigation of the GCDP:

- Initially, surface debris was investigated and removed by personnel using Level A PPE. Air and radiation monitoring was conducted as part of the initial surface clearance. Monitoring included the use of organic vapor monitors (OVMs) and draeger tubes for organic vapors; combustible gas indicators (CGIs) for flammable vapors; and a GM pancake probe, a micro-R-meter, and an alpha scintillator for radiological hazards.

- A magnetometer survey was conducted using a Geometrics 822 cesium vapor magnetometer and a Forester Ferex fluxgate magnetometer. Both passive and active detectors were used to help in detection of any type of metal. The location of each magnetic anomaly was indicated using fiber glass pin flags. This task accomplished in Level C PPE.

- The magnetic anomalies were investigated using hand excavation techniques with non-sparking tools. This task was completed using Level A and/or Level B PPE. Initially Level A was used in each area but was downgraded as necessary to Level B. The recovered items were then segregated following evaluations performed by ETSC. These evaluation criteria were provided in the site safety plan and QA manual and Waste Management Plan. The criteria were reviewed and concurred by SNL Safety prior to field implementation. Hand excavation proceeded to no greater than 24 inches below ground surface (BGS).

- Once the magnetic anomalies in the top 24 inches were cleared, the area was surveyed again using a magnetometer. Again any anomalies were investigated using the similar

hand excavation techniques stated above. This method was used until no additional anomalies were encountered.

- In certain area of the GCDP it was not possible to hand excavate to the 24 inches BGS. This was due to the soil cementation or the chemical or radiological concentration of subsurface debris required continuous excavation. At these times excavation was completed using the modified Caterpillar 200B excavator. When the excavator was used, excavation proceeded in 24 inch depth increments with consistent magnetometer surveys until no magnetic anomalies were encountered.

- Soils removed during the excavation were visually screened and initially segregated according to the area in which excavated. The soils excavated were screened for radiation and VOCs contamination using field instrumentation prior to transport to the staging areas. The removed soils transported to the staging ares via a rubber tire front end loader (Caterpillar 928F or 950E).

3.2.1 Thermal Battery Mound (TBM) Excavation/Investigation

The TBM was defined by a large magnetic anomaly (Figure 2.2). Due to the anomaly's location the TBM was designated as a separate investigative area (Figure 3.1). The TBM was the initial area to be excavated/investigated in the GCDP. The primary constituent of the TBM were several thermal batteries removed from the upper layers of the anomalous area. A total of 1,120 pounds of batteries, debris and batteries pieces were recovered, some of which appeared to be still intact. All intact batteries were tested and discharges by SNL personnel from Department 2222. Significant subsurface debris was removed from the TBM, however the area to east and south of the TBM had minimal contacts below the top six inches which were mostly scrap debris.

Other significant occurrences that took place during TMB excavation include the recovery and detonation of glass containers of lithium. Several containers of lithium metal were discovered on August 31. Once the first container was recovered intact, excavation was halted and hazard awareness briefing was held inform personnel of potential hazards and communicate site controls and measures to minimize the risk to the hazards. Following the briefing, excavation was resumed. At that time the excavator bucket contacted a second lithium container. An uncontrolled flare followed with no incident. This method was determined to be the safest method from removing the hazard.

After completion of the excavation of the TBM and exhumation of its contents, it was observed that the underlying soils were visually discolored. The yellow stained soil was not apparent immediately,

however, as the soils appear to have required open air exposure for the stain to appear. The staged soils were sampled for both total and TCLP parameters. It was decided that further excavation would wait until receipt of analyses. The open excavation was covered with poly sheeting to protect it from precipitation.

Inspection of the analytical results indicated that chromium concentrations were near the TCLP limits (sample No. 017709). Visual inspection of the staged soils and open excavation indicated that the staged soils were mottled yellow with small crystals of calcium chromate scattered through parts of it. Fragments up to several centimeters diameter were seen as well. The open excavation indicated an even brighter stain than the staged soils. It was decided that additional excavation to remove the contaminated soils was required, as well as additional sampling that be more representative. Additionally, Geoprobe sampling was conducted by SNL personnel to try to delimit the boundaries of the contamination (see description below) and samples (017745 through 017752) were submitted to SNL for X-ray fluorescence (XRF) analyses. Splits of samples sent for off-site laboratory analyses (017707 and 017709) and samples from the exposed center of the stain were also submitted. The re-analyze for TCLP metals and relatively high XRF results indicated chromium concentrations as high as 2500 ppm total and 118 mg/L leachable.

The results of the XRF analysis indicated that the chromium contamination was limited to shallow depths that could easily be excavated. Hence, additional excavations for the chromium contaminated soils were conducted for source contamination removal. Soils were excavated in a phased manner as roll-off containers were made available.

The total estimated volume of chromium contaminated soil removed from the TBM was approximately 270 cubic yards.

3.2.2 Gas Cylinder Mound

The lateral extent of the Gas Cylinder Mound (GCM) is illustrated in Figure 3.1. This area recorded the largest magnetic anomalies in the GCDP (Figure 2.2). Significantly more subsurface items and cylinders were removed from this area than any other part of the GCDP project. The excavation was initiated at the northern end of the mound and proceeded south until all cylinders, debris and suspect soils were removed. These materials were screened and swiped for radiation contamination prior to removal from the pit.

Over 400 cylinders were removed from the GCM of which 97 were apparently intact. The intact cylinders were subjected to full evaluation and management as described below.

A composite soil sample (017710) from the GCM was collected and analyzed for a full suite of analyses. No staining was observed on the staged soils or the excavation. Results of the analyses indicate that the soils are free of contamination (Appendix A).

The only other significant occurrence during the GCM excavation was the recovery glass vials containing of rubidium. Ten vials, eight intact, which were recovered and subsequently exposed to air to minimized the risk of further incident when handling outside the pit. This exposure was accomplish by rupturing the vials with the excavator bucket.

3.2.3 Slag Area

The third area that was excavated/investigated was the slag area. As seen on Figure 3.1, this area was to the immediate south and west of the GCM. This area had significant layer of discolored slag that was contacted during excavation. This slag was metallic in appearance and apparently concentrated just below the surface soils in the pit. The slag was believed to have been generated during historical burning and disposal operations.

Due the high concentrations of slag, this soil was segregated, staged, and sampled (017712) to determine possible contamination. Results of the analyses indicate that the soils are free of contamination (Appendix A).

3.2.4 Radioactive Materials Management Area

The southern part of the GCDP was informally designated a Radioactive Materials Management Area (RMMA) because of the preliminary results that indicated elevated concentrations of thorium associated with a gray "slag-like" material. Since the radioactive nature of the soils and slag were known it was decided that the materials would be drummed directly during the excavation to avoid additional handling and facilitate storage.

Prior to excavation in the RMMA, a separate radiation handling area was established along the eastern wall of the pit. As shown on Plate 2, this area was sized to accommodate the a drum hopper with up to twelve staged drums, a radiation screening table, and loader access road for drum pickup. Additionally, SNL personnel provided radiation monitoring support during the excavation activities. Continuous air monitors (CAMs) supplied by SNL were setup daily downwind of the excavation along the western sloped of the pit and in the radiation handling area on the eastern pit wall. Radiation specialists were provided by SNL to monitoring all personnel and equipment leaving the RMMA.

The excavation was initiated at the northern most boundary while maintaining the original contamination reduction zone (CRZ) north of the pit. This however, proved to be cumbersome and allowed a greater potential to spread radioactive contamination into the areas previously excavated. Therefore, the CRZ was relocated to southeast corner of the pit (Plate 2). This provided quicker support and access to personnel in the pit.

The excavation of the RMMA was conducted in 4 quadrants. This was to facilitate sample control and correlation between excavated and drummed materials. The quadrants are simply referred to as northeast (NE), northwest (NW), southeast (SE) and southwest (SW). Inspection of the slag-like materials during excavation indicated that it was inextricably mixed with the soils. Veins and stringers of the gray materials laid beneath some soil layers suggesting that the pile was originally covered and then reworked, perhaps to reduce the surface area of the pile. Hence, excess soils were excavated and drummed with the radioactive, slag-like materials.

Composite samples of the 4 quadrants were collected as the excavation proceeded (Figure 3.1). Due to the excess soils, the composite samples collected represent largely soil materials. Samples are correlated with the quadrants as follows: SE 017723, SW 017725, 017732 NE, and 017733 NW.

After excavation was complete, a terminal radiation survey was conducted (see description below). The results of this survey indicated that there still remained small, localized areas with radiation levels above the background 12 microR/hr. On November 7, 10 soil samples (018295 through 018304) were collected and submitted to SNL Department 7715 for gamma spectroscopy. The results of those analyses were used to guide additional excavation. On November 18, one 55-gallon drum of soil and materials were removed from the area and drummed. A final gamma spec sample (018305) was collected to confirm the cleanup.

A total of 329 55-gallon drums were excavated from the RMMA area, comprising approximately 140 cubic yards of materials.

3.3 TERMINATION RADIATION SURVEY

On 27 October 1994, Doug Perry and Ken Sansone of organization 7576 completed two final radiological surveys assessing the potential exposure to external radiation following excavation of hazardous materials from the GCDP. The survey areas included the GCDP, and the undisturbed region approximately 3/10 of a mile to the west of the site where natural background criteria was developed for the 20 July 1994 survey.

The survey of the GCDP was conducted over the same 10-ft by 10-ft grid system as the 20 July 1994 survey. The readings consisted of 197 point counts with both the micro-R M-19 (uR/hr) and M-44-10 (direct readout in cpm) on the intersect lines of the grid. Integrated counts were also obtained at 161 locations using the scaler mode on the Ludlum M-2221 with the 2-inch by 2-inch NaI probe. The area between N140/E20 to N20/E20 (west slope of pit) was not surveyed due to a slip hazard created by excavation activities.

Both the preliminary radiological survey (July 1994) and the termination radiological survey (October 1994) were completed using the same instruments and field techniques to record data. Field forms containing survey data are provided in Appendix B.3. Table III.1 presents a summary of the termination survey showing a significant reduction in radiological activity in the GCDP. The greatest readings on the micro-R (M-19) reduced from 100 uR/hr to background levels of 15 uR/hr. The greatest readings on the M-44-10 reduced from 216,998 cpm to near background levels of 15,558 cpm.

Table III.1 Termination Radiation Survey Results

BACKGROUND	WITHIN GCDP
M-19 12-13 uR/hr Avg. 15 uR/hr = high 12 uR/hr = low	M-19 15 uR/hr = high 10 uR/hr = low
M-44-10 11,560 cpm Avg. 12,228 cpm = high 10,500 cpm = low	M-44-10 15,558 cpm = high 9,640 cpm = low

Readings with M-19 = waist level
Readings with M-44-10 = 2" to contact

3.4 GEOPROBE SAMPLING

Two Geoprobe sampling episodes were conducted by SNL personnel as part of the GCDP remediation project. The first episode followed completion of excavations in the TBM, GCM, and Slag Area (Figure 3.1). Four Geoprobe sampling holes were advanced to 20 feet and 1 sample was collected from each hole at 20-foot depths (017716 through 017719) on September 23.

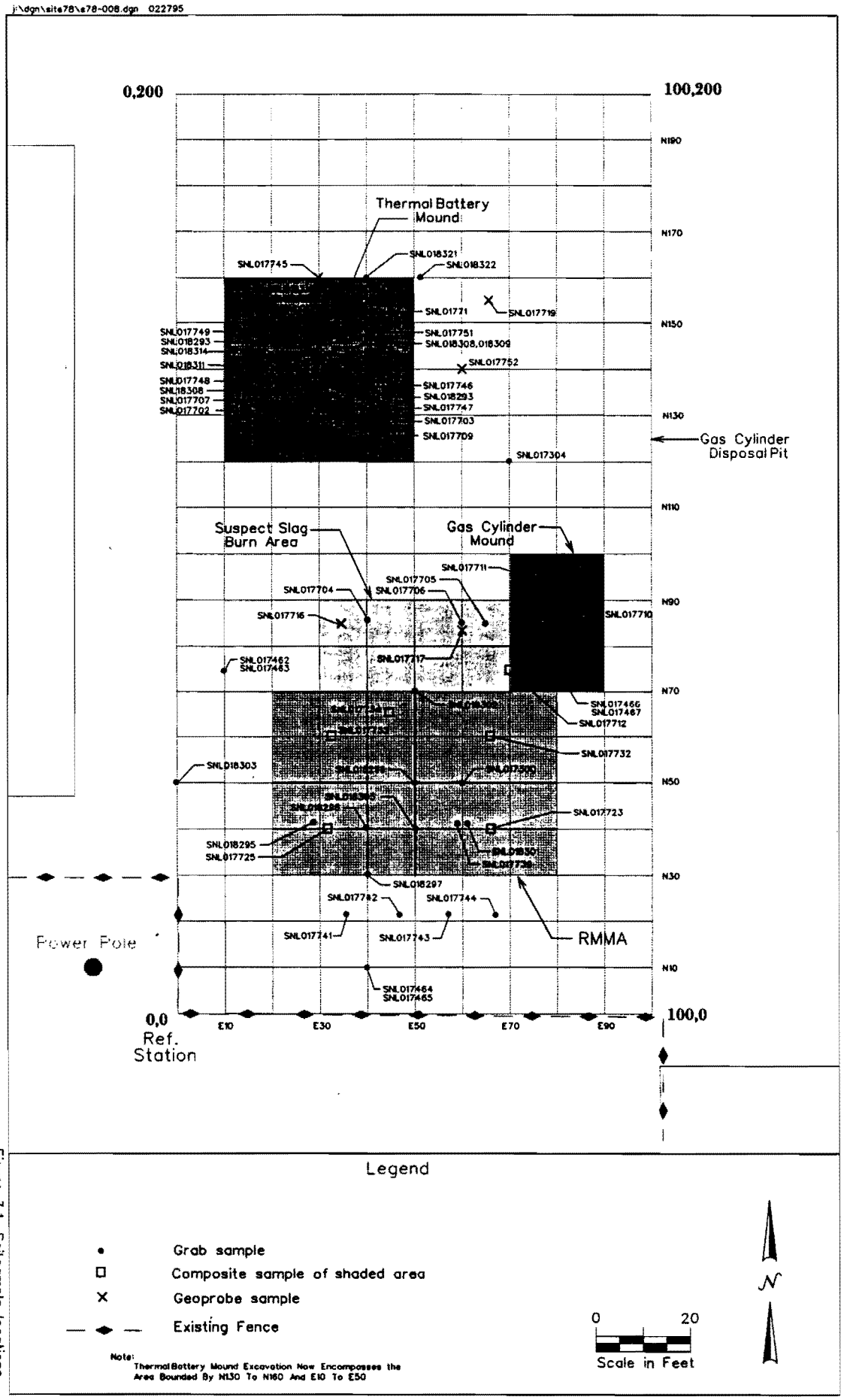
The second episode was conducted to attempt to determine the limits of the chromium contamination around the former TBM. Seven holes were drilled to various depths to approximate depths of 5, 10, 15 and 20 feet below exposed ground surface within the excavation. Two to four samples were taken in each hole and submitted to SNL for XRF analysis (0117746 through 017752).

4.0 SUMMARY OF HEALTH AND SAFETY ACTIVITIES

This subsection will summarize the progression of creating the health and safety plan (HASP) (DOE 1994b) and the day-to day operations of applying the plan for the site. The first task was the evaluation of historic operation to estimate the risks of performing the tasks involved with remediation of the GCDP. Based on that evaluation the type of monitoring equipment and the types of PPE were determined.

The second task was the physical walkover of the site to determine what hazards where associated with the site itself and the surrounding areas. Meetings where held with other SNL groups operating nearby to determine what type of operations they where conducting and to inform them of the types of operations to be conducted during remediation of the GCDP.

The third task was conducting meetings with SNL departments which had any impact on the project, to determine what additional factors needed to be addressed. Some of these were the design of emergency response tactics and evacuation plans that were site specific, yet were integrated into existing emergency response plans for SNL and Kirtland Air Force Base. An emergency response drill was designed and conducted August 2, 1994 at the GCDP to show the readiness of ETSC/WESTON to perform given tasks associated with an emergency.



Legend

- Grab sample
- Composite sample of shaded area
- Geoprobe sample
- Existing Fence

Note:
Thermal Battery Mound Excavation Now Encompasses the Area Bounded By N130 To N160 And E10 To E50

0 20
Scale in Feet

N

Figure 3.1. Soil sample locations Site 78 GCDP.

Attachment 84-1

Electromagnetic Survey of Site 84 (Gun Facilities), Technical Area III, prepared for Sandia National Laboratories by Lamb Associates, Inc., August 1994

Extended Electromagnetic Survey of Environmental Restoration Site 84 (Gun Facilities), Technical Area III

ELECTROMAGNETIC SURVEY OF ENVIRONMENTAL RESTORATION SITE 84 (GUN FACILITIES) TECHNICAL AREA III

Task Authorization Number
12-0939-B.058

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

August 1994

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Electromagnetic Survey of Environmental Restoration Site 84 (Gun Facilities) Technical Area III

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

Task Order:
12-0939-B.058

David A. Hyndman
Dirk Van Hart

August 1994

Summary

A high resolution electromagnetic metal detection survey has been conducted over approximately five acres at Environmental Restoration Site 84 (Gun Facilities) located in Technical Area III at Sandia National Laboratories. The survey was conducted in order to map fragments from past impact experiments, and to locate any previously unknown burials of potentially hazardous material. The survey was successful in locating numerous subsurface objects consistent with fragments, and in locating several large buried objects.

Introduction

A high resolution metal detection survey has been conducted over approximately five acres at the Sandia National Laboratories (SNL) Environmental Restoration (ER) Site 84 in Technical Area III. The survey was conducted in order to locate subsurface metallic objects with possible environmental consequence.

The survey was successful in identifying numerous buried objects in the survey area. This report documents the survey activities and presents the results.

Background

Description of Site. SNL ER Site 84 (Gun Facilities) is located in the west-central portion of Technical Area III. The primary area of concern covers approximately 10 acres to the south of Building 6750. The area has fairly uneven terrain with scattered high vegetation. Several tall earthen berms are positioned near Building 6750 and further to the south. Fences bound the site on the north and west. Experimental apparatus and debris cover portions of the site.

Prior Site Usage. The Gun Facilities consist of both indoor (Building 6750) and outdoor test areas used for studying impact phenomena. The outdoor testing utilized a 75-mm gun to shoot various projectiles into the southern portion of the site, and to shoot earth penetrators directly into the ground.

The primary contaminants are scattered fragments of depleted uranium (DU), lead (Pb) and associated remains from the impact experiments, and possibly several fifty-pound DU earth penetrators which were shot vertically into the ground. Burials of unknown origin are also anticipated at the site.

Geophysical Survey

Objectives. The objective of the geophysical investigation was to conduct a metal detection survey capable of 1) locating major fragments of DU, Pb and other metallic materials associated with projectile-impact experimentation, and 2) locating significant burials.

For survey design purposes, major fragments were defined as equivalent to metallic plates with areal extent larger than 8 x 8 cm buried to a depth of 0.5 meters. Significant burials were

defined as equivalent to a five-gallon pail buried to a depth of one meter.

Instrumentation. The Geonics EM-61 high precision metal detector was chosen as the geophysical instrument most capable of achieving the survey objective. The EM-61 is a time domain electromagnetic (TDEM) instrument only recently available for shallow buried metal surveys. A brief discussion of the operating principles of this instrument follows for those readers not familiar with it.

> The EM-61 generates electromagnetic (EM) pulses by passing a current through a one-meter square coil. These pulses penetrate the ground surface and briefly induce secondary EM fields in the subsurface. Soil has relatively low conductivity and the secondary fields in soil dissipate rapidly. Metal has essentially infinite conductivity when compared to soil, and the secondary fields induced in buried metallic objects therefore persist much longer. The EM-61 measures the strength of the secondary fields during the "off time" between the primary pulses. The measurement is delayed until the response from the soil has dissipated and only the response of buried metal is present.
>
> The secondary EM fields are measured by a one-meter square main sensor which is coincident with the transmitter coil, and by a second one-meter square focussing coil positioned 40 cm above the main coil. Each sensor coil measures the secondary field strength during a time gate in between the primary pulses. Two sensor coils are used to allow discrimination of shallow objects from deeper objects.

The performance of the EM-61 over a given target can be predicted from the response of standard targets provided by the manufacturer. Although a prediction for a 8 x 8 cm plate is not provided, the response of a 9 cm diameter steel ball at 0.5 meters depth is given as approximately 3.5 millivolts (mV). This predicted response is somewhat close to the typical EM-61 survey noise level of 1 to 2 mV. The response of a 5-gallon pail buried a meter deep can be estimated from the standard target of a 20 cm diameter aluminum pipe as approximately 20 mV. These estimates indicate that the EM-61 is easily capable of providing metal detection within the desired resolution for burials, but only marginally able to resolve the deepest fragments.

Survey Area. The metal detection survey encompassed a 22,500 m^2 area (5.6 acres) immediately south of Building 6750. This area had previously been surveyed for radiological hazards on a grid oriented with respect to the cardinal directions. However, the dominant topographic features at the site are two large earthen

berms oriented (perhaps coincidentally) with respect to magnetic rather than geographic north.

Operational efficiency dictated that the geophysical survey be in alignment with the berms rather than with the radiological survey. The geophysical survey was made large enough to encompass the entire area covered by the previous work, resulting in a 150 x 150 meter area oriented with magnetic north (NNE by ESE).

Survey Grid. A grid was established using a transit, survey rod and measuring tape. A survey baseline (Y = 0) was located to the south, with the grid origin (0,0) at the southwest corner. Wooden stakes were positioned every 50 m on the grid. Plastic pin flags were placed every meter along the baseline, along intermediate lines at Y = 50 and Y = 100, and along an endline at Y = 150 which abuts the security fence on the south of the Building 6750 complex. Grid lines were spaced one meter apart and numbered X = 0 to 150.

Data Acquisition. Data were acquired in three sections, each measuring 150 meters by 50 meters. Data were acquired approximately every 20 cm along each grid line and were recorded on an Omnidata data logger. The data acquisition activities were:

May 18, 19 & 20	Section 1, X = 0 to 150, Y = 0 to 50.
June 22, 23 & 24	Section 2, X = 0 to 150, Y = 50 to 100.
June 29, 30, July 1	Section 3, X = 0 to 150, Y = 100 to 150.

A number of gaps exist in the data where there are physical obstructions or large metal objects. The area actually covered by the instrument was 4.8 acres. The geophysical survey area, the radiological survey area, and major obstructions are depicted in Figure 1.

Data Reduction. The EM-61 data were transferred to a personal computer for reduction and processing. The data were reduced using the DAT61 program (Geonics Ltd.), and then processed and imaged using the Geosoft Mapping and Processing System (Geosoft Inc.). No special processing enhancements or filters were applied to the data other than the filtering inherent to creating a gridded image from discrete data.

Results

General. The EM-61 main sensor data is presented in Figure 2. The data quality in the survey area is good, and a number of known and unknown objects are clearly shown.

One objective of the survey was to locate metallic fragments with areal extent larger than 8 x 8 cm, buried to a depth of 0.5 meters. This target could be expected to generate a signal on the order of 3.5 mV. Unfortunately, the overall observed noise level was on the order of 4 to 5 mV. This high noise level was generated primarily by the extremes in temperature during the nine days of surveying, and the operational difficulties presented by the uneven terrain and surface debris.

It was necessary to establish a sensitivity threshold of 10 mV to provide a robust separation of significant electromagnetic events above the noise level. 10 mV is approximately the response of an 8 x 8 cm object buried at a depth of 0.3 meters, rather than 0.5 meters.

Interpretation of the data requires identifying those known sources of EM-61 response, leaving, by default, the unidentified anomalies as suspected contaminate fragments or burials.

Known Objects. There are nine major known objects which were identified during the data acquisition activities and which generate a significant response. These objects are annotated on Figure 2 by number.

1) Northwestern fence. This is a barbed-wire boundary fence enclosing the southeastern corner of parcel of land jutting into the survey area. The fence runs from north to south and then makes a right-angle turn to the west. The instrument was carefully passed under the fence where possible and around it where necessary.

2) North-central concrete pad and debris. A reinforced concrete pad and a mound of reinforced concrete debris to its south defines an area of high response.

3) Metal target frame in northeastern corner.

4) Concrete bunker with earthen berm in east-central area. This feature consists of, from north to south, a large reinforced concrete pad, a retaining wall and an earthen berm. The survey did not cover the feature but its influence on the data is clear.

5) Electrical utilities system in central area. A prominent electrical utility system crosses under the western and eastern earthen berms and terminates at the north end of the concrete bunker (#4) above.

6) Culvert under access road in central area. The ends of a metal drainage culvert can be seen on either side of the access road. The instrument response is strong and unmistakable.

7) Concrete box in central area.

8) Road Blockade. An array of guard posts, connected by a cable, crosses the access road in the south-central area.

9) Concrete pad in south-central area.

Several smaller objects were observed on the surface and are labeled on Figure 2. Of significant note are four EM-61 features which are tentatively identified as DU based on the pin flags and markings from the radiological survey.

Unknown Features. There remain several large and numerous small EM-61 anomalies remaining after accounting for the known metallic objects.

There are six or seven large and prominent anomalies located in the center of the survey, immediately west of the road blockade. These are tentatively identified as the earth penetrators known to have been shot into the ground in this general area. If not penetrators, there are significant quantities of buried metal at these locations. Penetrators or large buried objects are also identified in the north-central part of the survey, in between the two large earthen berms.

There remain numerous small anomalies with no surface expression, each indicating a subsurface metallic object, and each highly suspect of being a DU or Pb fragment. Some of these fragments are probably innocuous debris, but it is not possible to discriminate them from the contaminates with this data set.

Figure 3 provides the locations of those EM-61 anomalies which have no surface expression. The small anomalies appear to form a "V" shaped pattern with its terminus approximately 50 meters to the south of the survey area. The large anomalies may be penetrators or burials.

Conclusions and Recommendations

The electromagnetic metal detection survey at ER Site 84 was successful of locating several large and numerous smaller buried metallic objects. The large objects are consistent with either DU earth penetrators or significant burials. The smaller objects are indicative of significant fragments from impact experimentation.

The smaller objects occur in a pattern which extends to the south, beyond the limit of the survey. It is recommended that the EM-61 survey be extended further to the south in order to complete the task of mapping buried objects at this site.

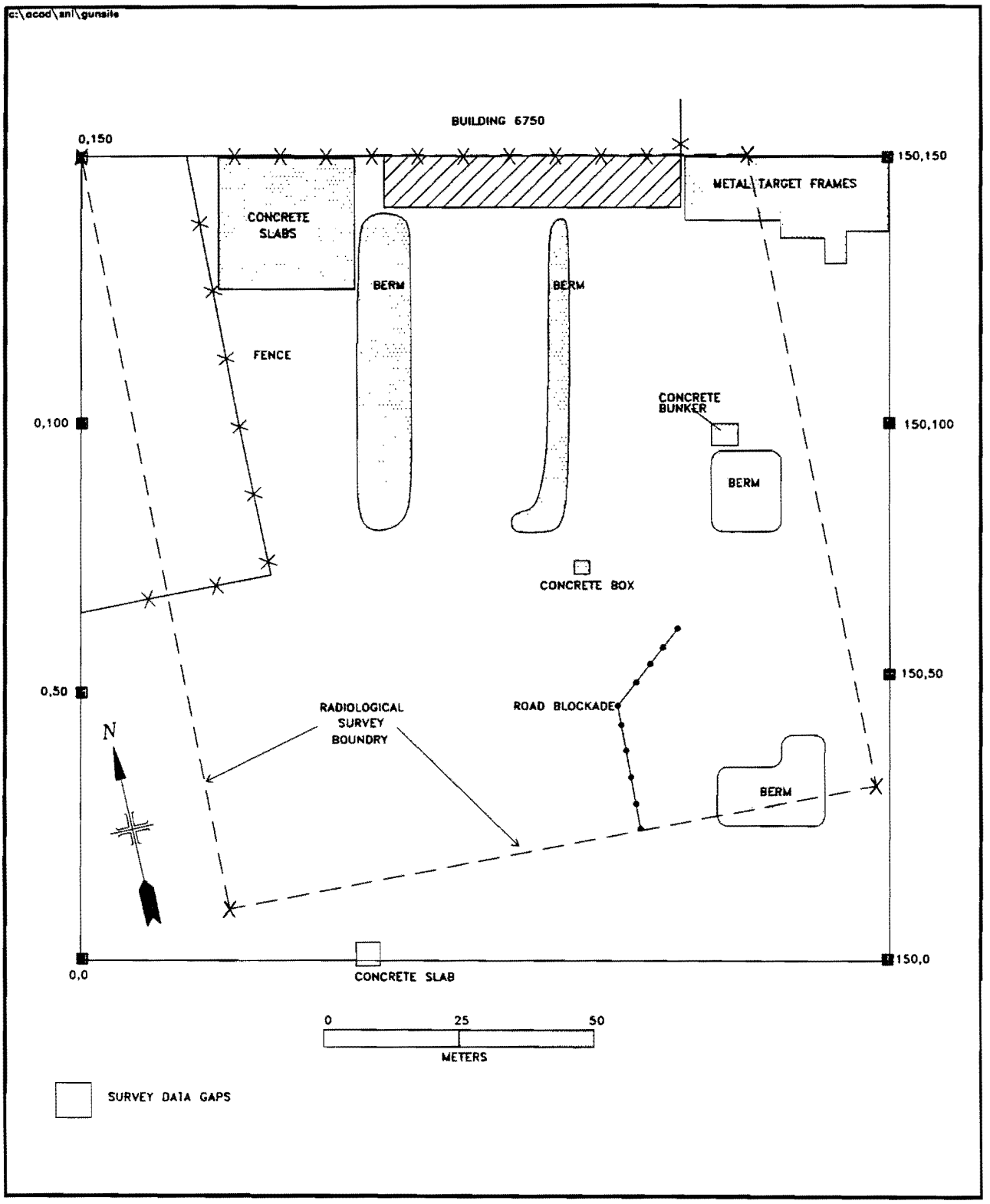

Figure 1. ER Site 84 (Gun Facilities) Survey Area

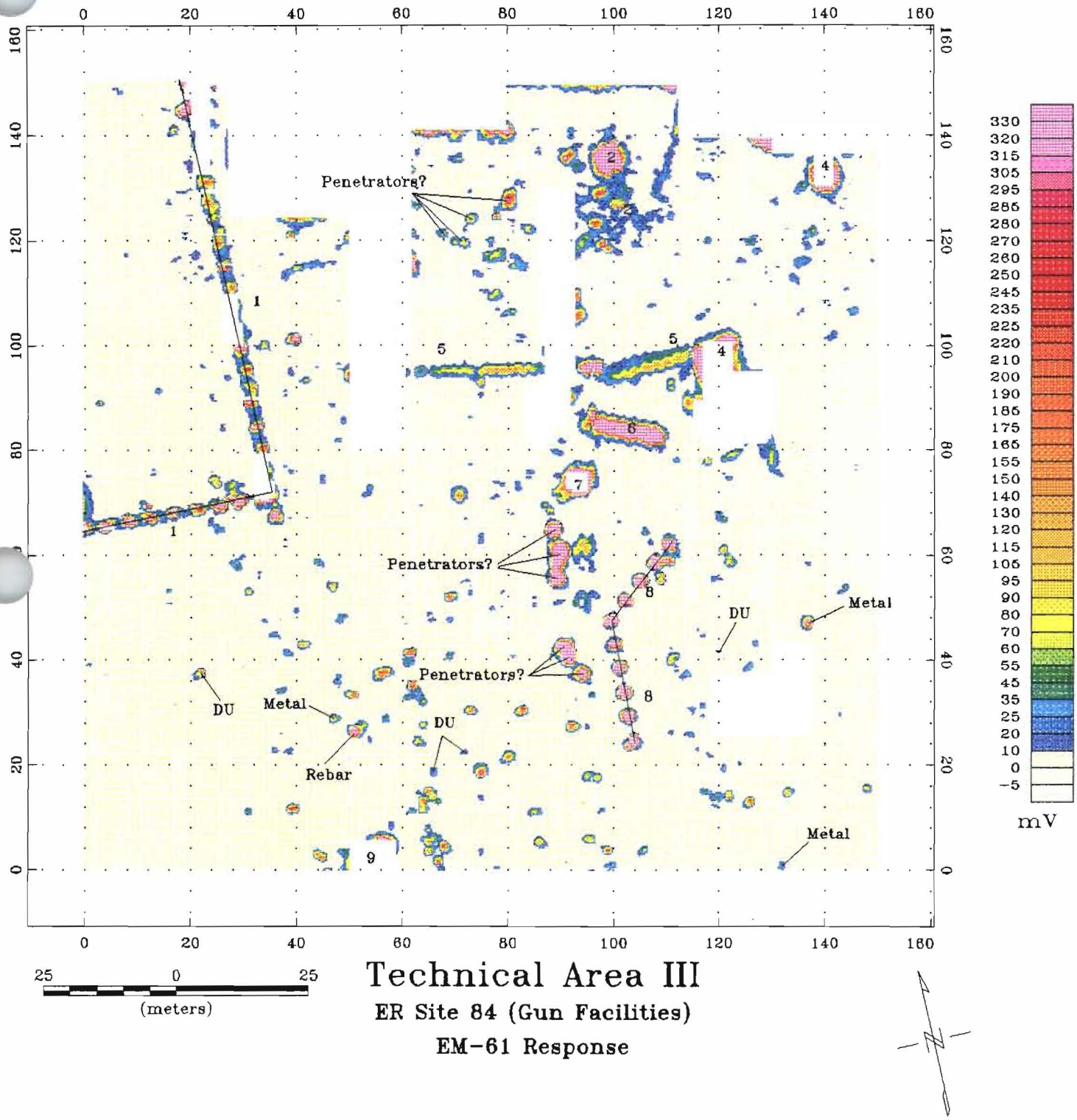

Figure 2. EM-61 Main Sensor Response

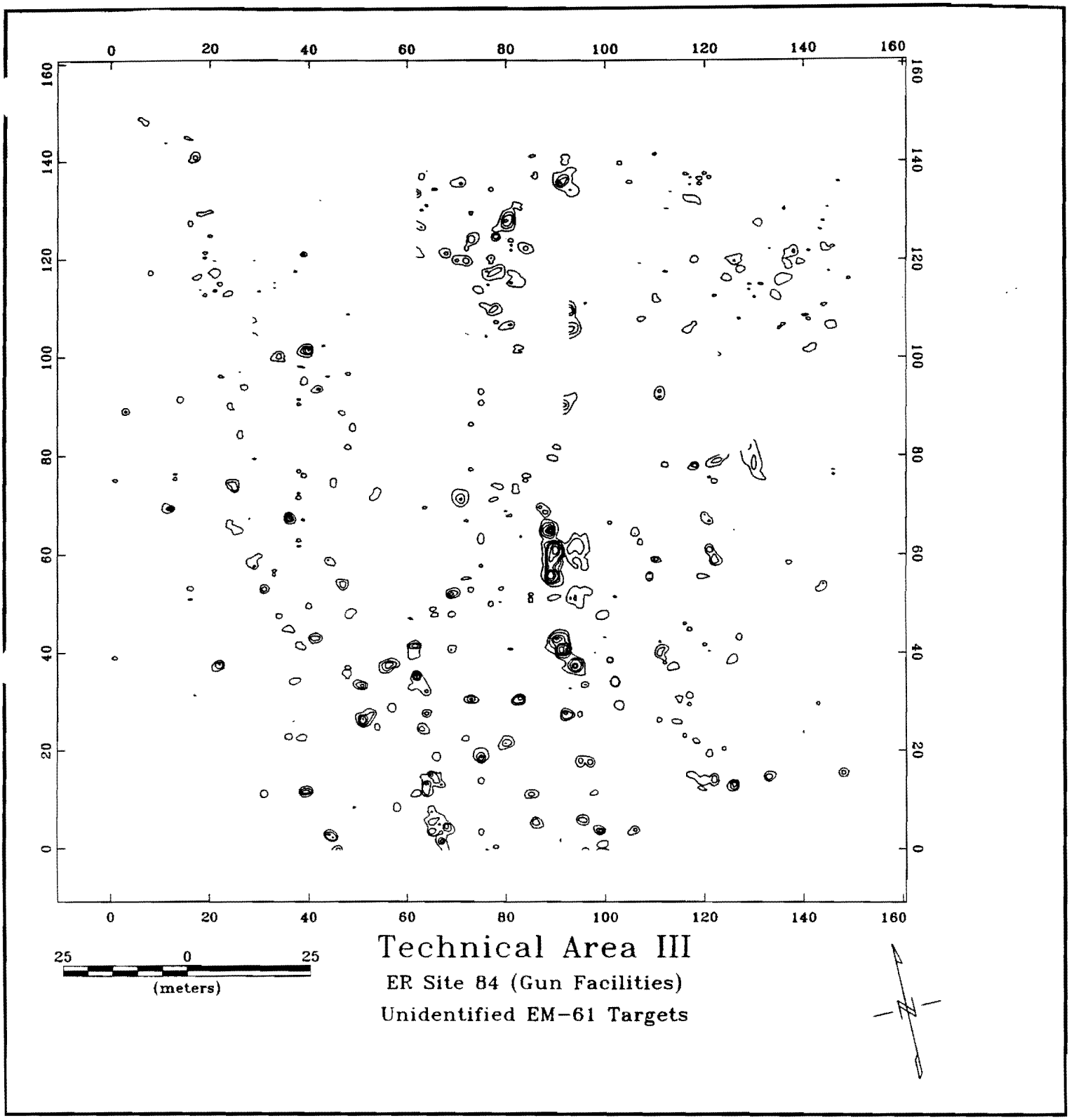

Figure 3. ER Site 84 (Gun Facilities) Unknown Buried Objects

EXTENDED ELECTROMAGNETIC SURVEY OF ENVIRONMENTAL RESTORATION SITE 84 (GUN FACILITIES) TECHNICAL AREA III

Prepared for:

Department 7582
Sandia National Laboratories
Albuquerque, New Mexico

Task Authorization Number
12-0939-B.237

May 1995

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Extended Electromagnetic Survey of Environmental Restoration Site 84 (Gun Facilities) Technical Area III

Prepared for:

Department 7582
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Albuquerque, New Mexico

Task Order:
12-0939-B.237

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Wayne S. McKenna

May 1995

Summary

A high resolution electromagnetic metal detection survey has been conducted over approximately 11 acres at Environmental Restoration Site 84 (Gun Facilities) located in Technical Area III at Sandia National Laboratories. The survey was conducted in order to map fragments from past impact experiments, and to locate any previously unknown burials of potentially hazardous material.

The metal detection survey was conducted in two parts. An initial survey was conducted over the northern half of the site during the summer of 1994. The results from this survey indicated a pattern of buried objects extending further to the south. A second survey, extending the coverage to the south, was conducted during the spring of 1995. The two surveys have been combined to provide a more complete mapping of the buried metal.

The survey was successful in locating numerous subsurface objects consistent with fragments, and in locating several large buried objects. Unfortunately, the extended survey failed to fully encompass a pattern of subsurface metal extending to the southeast.

Introduction

A high resolution metal detection survey has been conducted over approximately 11 acres at the Sandia National Laboratories (SNL) Environmental Restoration (ER) Site 84 in Technical Area III (Gun Facilities). The survey was conducted in order to locate subsurface metallic objects with possible environmental consequence.

The survey was conducted in two parts. An initial survey was completed during 1994, which extended 150 m to the south of Building 6750 (Hyndman, D. and Van Hart, D., *Electromagnetic Survey of Environmental Site 84 (Gun Facilities), Technical Area III*, Task Order 12-0939-B.058, August 1994). The buried metal fragments located by this survey indicated a pattern extending to an impact berm located approximately 300 m to the south of Building 6750. An extension of this initial survey was initiated in order to provide a more complete investigation of the site. The extension doubled the area of investigation and provided coverage to the impact berm.

The combined survey was successful in identifying numerous buried objects, but still failed to fully encompass the area containing buried metal. This report documents the extension of the metal detection survey and presents the combined results of the investigations at ER Site 84.

Background

Description of Site. SNL ER Site 84 (Gun Facilities) is located in the west-central portion of Technical Area III. The primary area of concern covers approximately 11 acres to the south of Building 6750. The area has fairly uneven terrain with scattered high vegetation. Several tall earthen berms are positioned near Building 6750 and further to the south. Fences bound the site on the north and west. Experimental apparatus and debris cover portions of the site.

Prior Site Usage. The Gun Facilities consist of both indoor (Building 6750) and outdoor test areas used for studying impact phenomena. The outdoor testing utilized a 75-mm gun to shoot various projectiles into the southern portion of the site, and to shoot earth penetrators directly into the ground.

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Geophysical Survey

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Instrumentation. The Geonics EM-61 high precision metal detector was chosen as the geophysical instrument most capable of achieving the survey objectives. The EM-61 is a time domain electromagnetic (TDEM) instrument specifically designed to map shallow buried metal.

The performance of the EM-61 over a given target can be predicted from the TDEM response as a function of depth for standard targets provided by the manufacturer. Although a prediction for a 8 x 8 cm plate is not provided, the response of a 9 cm diameter steel ball at 0.5 m depth is given as approximately 3.5 millivolts (mV). This predicted response is somewhat close to the typical EM-61 survey noise level. The response of a 5-gallon pail buried 1 m deep can be estimated from the standard target of a 20 cm diameter aluminum pipe as approximately 20 mV. These estimates indicate that the EM-61 is easily capable of providing metal detection within the desired resolution for significant burials, and marginally able to resolve the deepest fragments.

Survey Area. The initial metal detection survey encompassed a 22,500 m^2 area (5.6 acres) immediately south of Building 6750. This area had previously been surveyed for radiological hazards on a grid oriented with respect to the cardinal directions. However, the dominant topographic features at the site are two large earthen berms oriented (perhaps coincidentally) with respect to magnetic rather than geographic north.

Operational efficiency dictated that the initial geophysical survey be in alignment with the berms rather than with the radiological survey. The geophysical survey was made large enough to encompass the entire area covered by the previous work, resulting in a 150 x 150 m area oriented with magnetic north (NNE by ESE).

The second metal detection survey extended immediately south of the first survey, adding an additional 5.6 acres of coverage. The second survey included a repeat of a portion of the initial survey which included some data with excessively high noise.

Survey Grid. A grid was established using a transit, survey rod and measuring tape. A survey baseline (Y = 0) was located to the south, with the grid origin (0,0) at the southwest corner of the site. Wooden stakes were positioned every 50 m on the grid. Plastic pin flags were placed every meter along the baseline, along intermediate lines at Y = 50 m, 100 m, 150 m, 200 m, 250 m, and along an endline at Y = 300 m which abuts the security fence on the south of the Building 6750 complex. Grid lines were spaced 1 m apart and numbered X = 0 to 150.

Data Acquisition. Data were acquired in six sections or tiers, each measuring 150 x 50 m. Data were acquired approximately every 20 cm along each grid line and were recorded on an Omnidata data logger. A number of gaps exist in the data where there are physical obstructions or large metal objects. The survey area, delineating the initial and extension surveys, and major obstructions is depicted in Figure 1.

Data Reduction. The EM-61 data were transferred to a personal computer for reduction and processing. The data were reduced using the DAT61 program (Geonics Ltd.), and then processed and imaged using the Geosoft Mapping and Processing System (Geosoft Inc.). The data from the second survey were combined with the data from the initial survey for a complete data set. No special processing enhancements or filters were applied to the data, other than the filtering inherent to generating a gridded image from discrete data.

Results

General. The EM-61 main sensor data are presented in Figure 2. The data quality in the survey area is good, and a number of known and unknown objects are clearly shown.

One objective of the survey was to locate metallic fragments with areal extent larger than 8 x 8 cm, buried to a depth of 0.5 m. This target could be expected to generate a signal on the order of 3.5 mV. The overall observed noise level was on the order of 3 to 4 mV, generated primarily by the extremes in temperature during the surveying, and the operational difficulties presented by the uneven terrain, vegetation, and surface debris. It was necessary to establish a sensitivity threshold of 5 mV to provide a robust separation of significant electromagnetic events above the noise level. 5 mV is approximately the response of an 8 x 8 cm object buried at a depth of 0.4 m, rather than 0.5 m.

Interpretation of the data requires identifying those known sources of EM-61 response, leaving by default the unidentified anomalies as suspected contaminate fragments or burials.

Known Objects. Eleven major known objects were identified during the data acquisition activities. These objects generate significant response, and are annotated on Figure 2 by number.

1) Western boundary fence. This is a barbed-wire fence delineating the western boundary of Site 84. The fence runs roughly north to south, and can be observed in both the northwest and southwest corners of the survey. The instrument was carefully passed under the fence where possible and around it where necessary.

2) North-central concrete pad and debris. A reinforced concrete pad and a mound of reinforced concrete debris to its south defines an area of high response.

3) Metal target frames in northeastern corner. An accumulation of relic target frames and other experimental apparatus cover this portion of the site.

4) Concrete bunker with earthen berm in northeastern area. This feature consists of (from north to south) a large reinforced concrete pad, a retaining wall and an earthen berm. The survey did not cover the feature but its influence on the data is clear.

5) Electrical utilities system in north-central area. A prominent electrical utility system crosses under the western and eastern earthen berms and terminates at the north end of the concrete bunker (#4) above.

6) Culvert under access road in north-central area. The ends of a metal drainage culvert can be seen on either side of the access road. The instrument response is strong and unmistakable.

7) Concrete bunker in north-central area. A small reenforced concrete bunker generated a significant response.

8) Road Blockade. An array of guard posts, connected by a cable, crosses the access road.

9) Large metal plate. A large metal plate is partially exposed at the ground surface.

10) Concrete slabs in central area. Large, heavily reenforced concrete slabs obstructed surveying and provided a significant response.

11) Artillery shells. Two artillery or tank gun shells, dissimilar from other impact projectiles observed in the impact area, were noted.

Several smaller objects were also observed on the surface and recorded during data acquisition.

Unknown Features. Several large and numerous small EM-61 anomalies remain after accounting for the known metallic objects observed on the surface. These constitute potential buried contaminates. The data in Figure 2 were contoured, but the contours for the large and small known objects were removed so that just the unidentified buried objects remain in Figure 3. These EM-61 anomalies have no surface expression.

There are three large and prominent anomalies located in the center of the survey, immediately west of the road blockade, centered at X = 90, Y = 210. These are tentatively identified as the earth penetrators known to have been shot into the ground in this general area. If not penetrators, there are significant quantities of buried metal at these locations. Penetrators or large buried objects are also identified in the north-central part of the survey, in between the two large earthen berms, at X = 75, Y = 270. Minor excavations at the site were performed between the initial and extension surveys. These excavations unearthed the large metal plate (feature 9, Figure 2) that had been interpreted to be a possible penetrator in the report of the initial survey .

The pattern of buried objects appears to extend beyond the southeastern boundaries of the survey. Additionally, there appear to be two linear patterns of unidentified buried objects, one coincident with the firing lane in the center of the survey and one coincident with the access road to the east. These lineaments suggest that the buried objects were displaced in the spoil from grading activities along the firing lane and the road.

Conclusions and Recommendations

The electromagnetic metal detection surveys at ER Site 84 were successful in locating several large and numerous smaller buried metallic objects. The large objects are consistent with either DU earth penetrators or significant burials. The smaller objects are indicative of significant fragments from impact experimentation. The smaller objects occur in a pattern which extends to the southeast, beyond the limits of the survey. Some of these fragments are certainly innocuous debris, but it is not possible to discriminate scrap from the contaminates with this data set.

A separation of the innocuous buried scrap from DU fragments can be achieved by further non-intrusive investigations. A combination of high resolution magnetic and surface radiological surveying would provide a discrimination between buried materials. Those burials that display both a TDEM and a magnetic signature can be deduced to be scrap iron or steel. Those buried objects without a magnetic signature can be deduced to be non-ferrous metal (DU, Pb, aluminum,

or copper). Surface radiological measurements over the non-ferrous burials should identify the DU fragments. A rigorous separation of Pb from copper or aluminum would require excavation.

Although the TDEM data suggest that buried fragments can be anticipated beyond the southeast boundary of the survey, further metal detection surveying is not recommended until a separation between innocuous scrap and DU is achieved. It is unlikely to be cost-effective to continue buried metal detection until the distribution of DU within the surveyed area is determined.

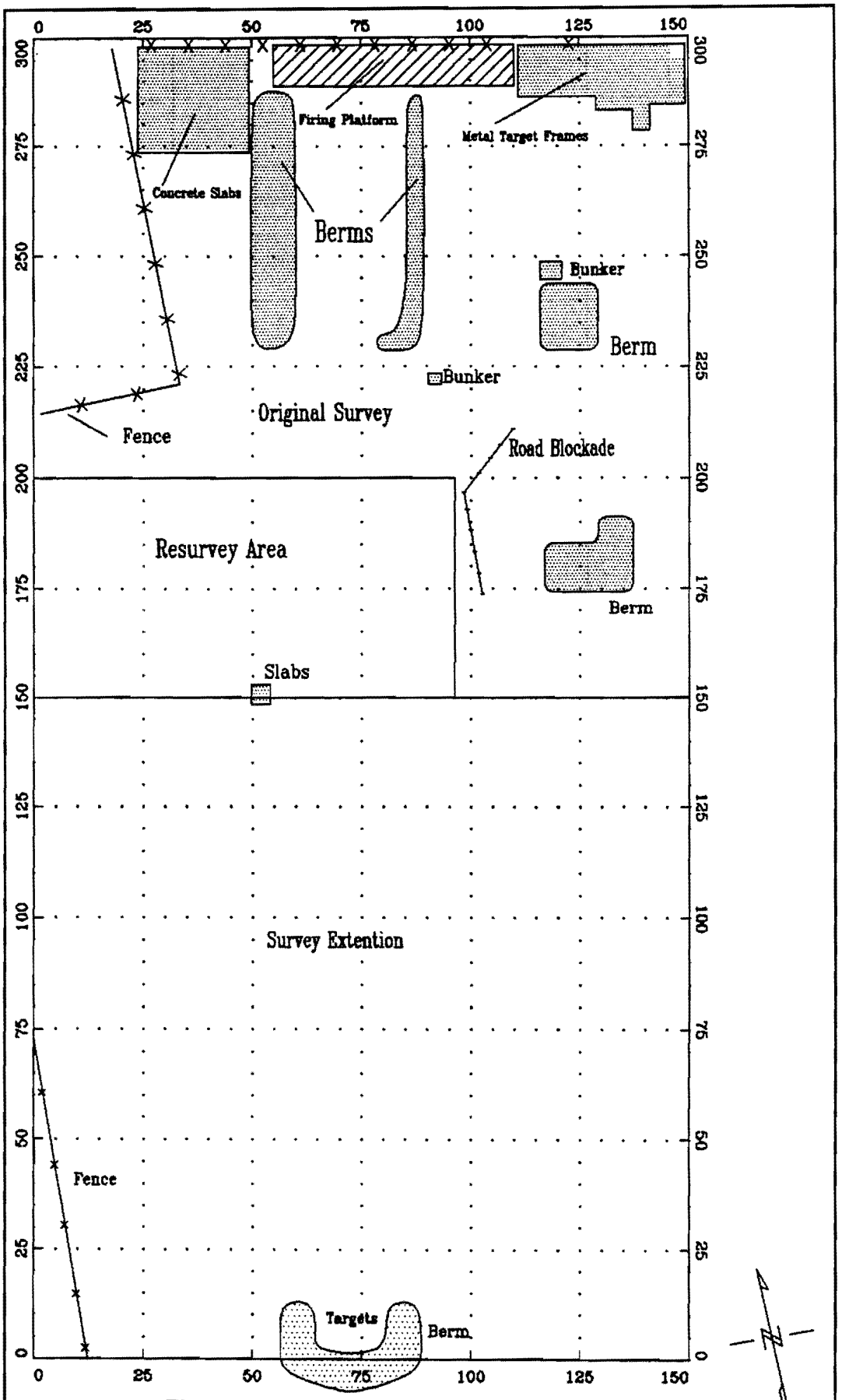


Figure 1. ER Site 84 Survey Area

25 0 25
(meters)

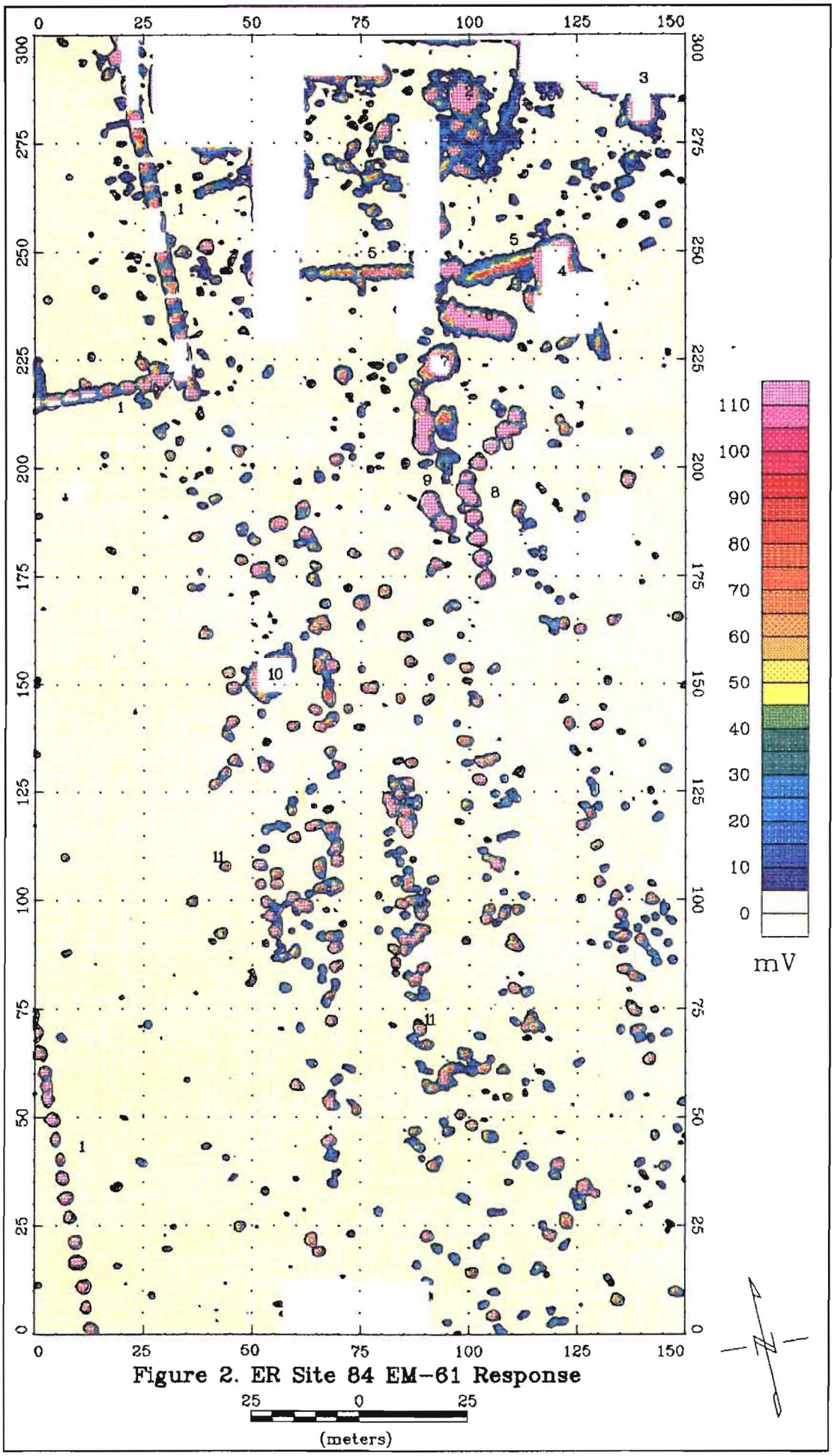


Figure 2. ER Site 84 EM-61 Response

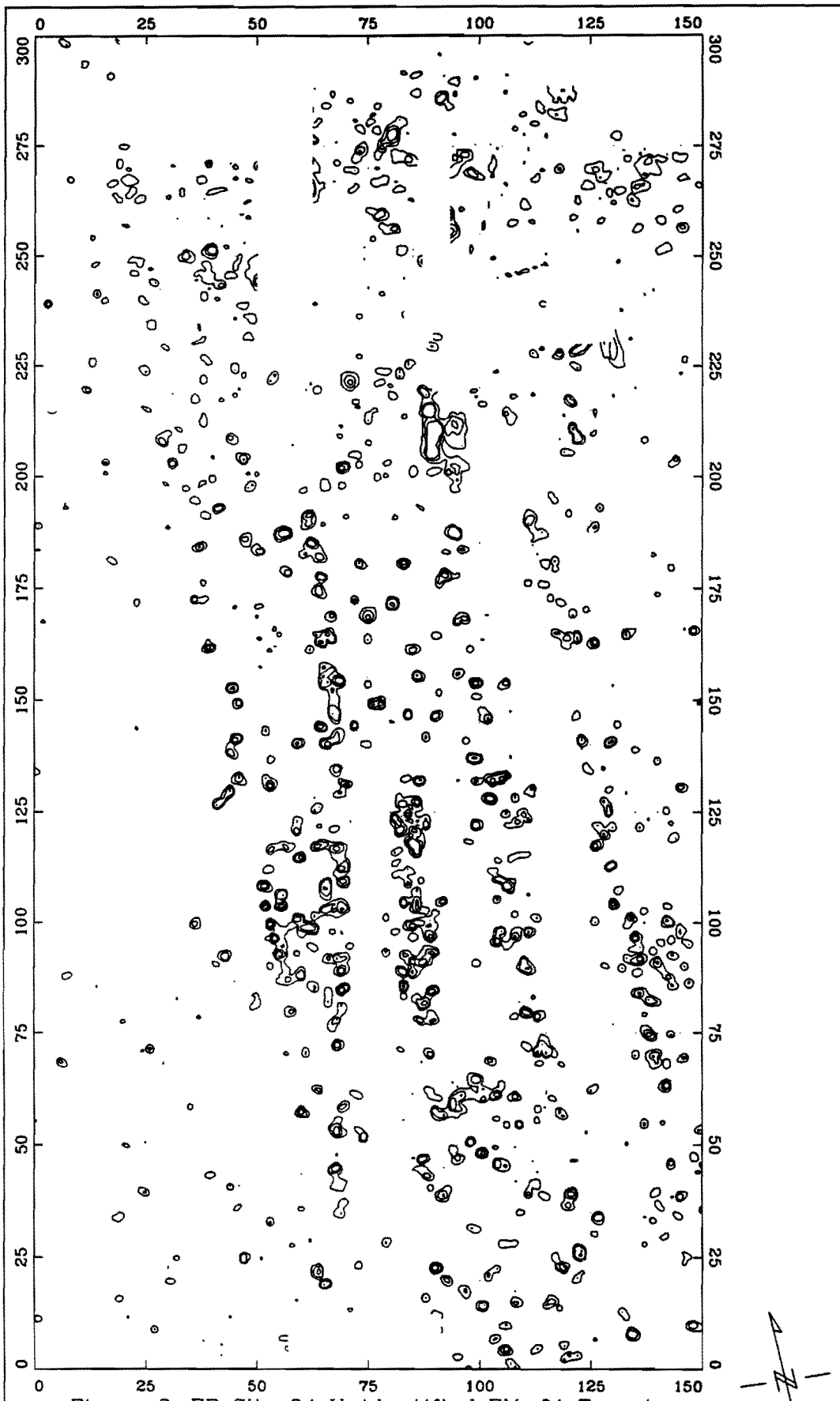
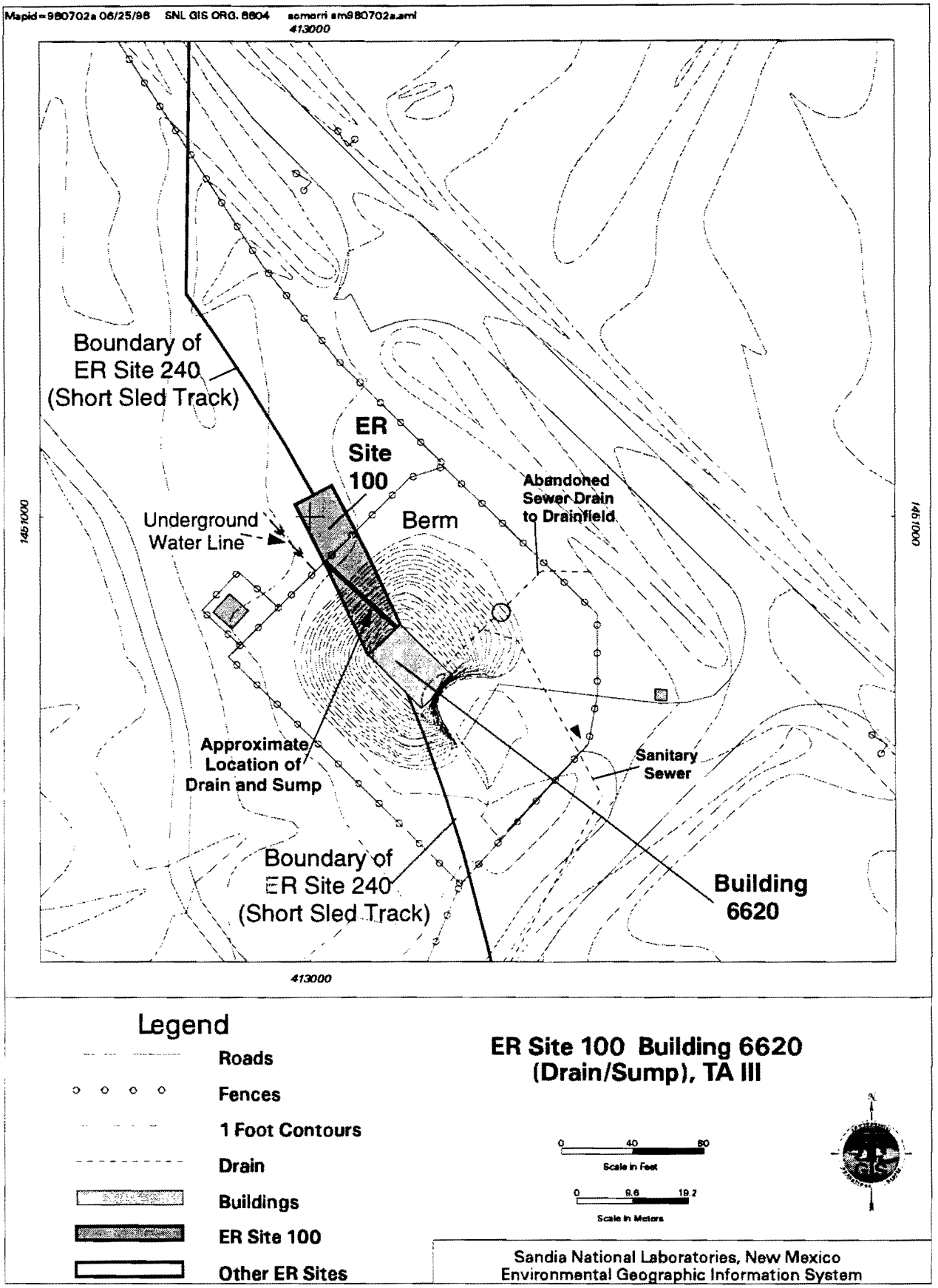


Figure 3. ER Site 84 Unidentified EM-61 Targets

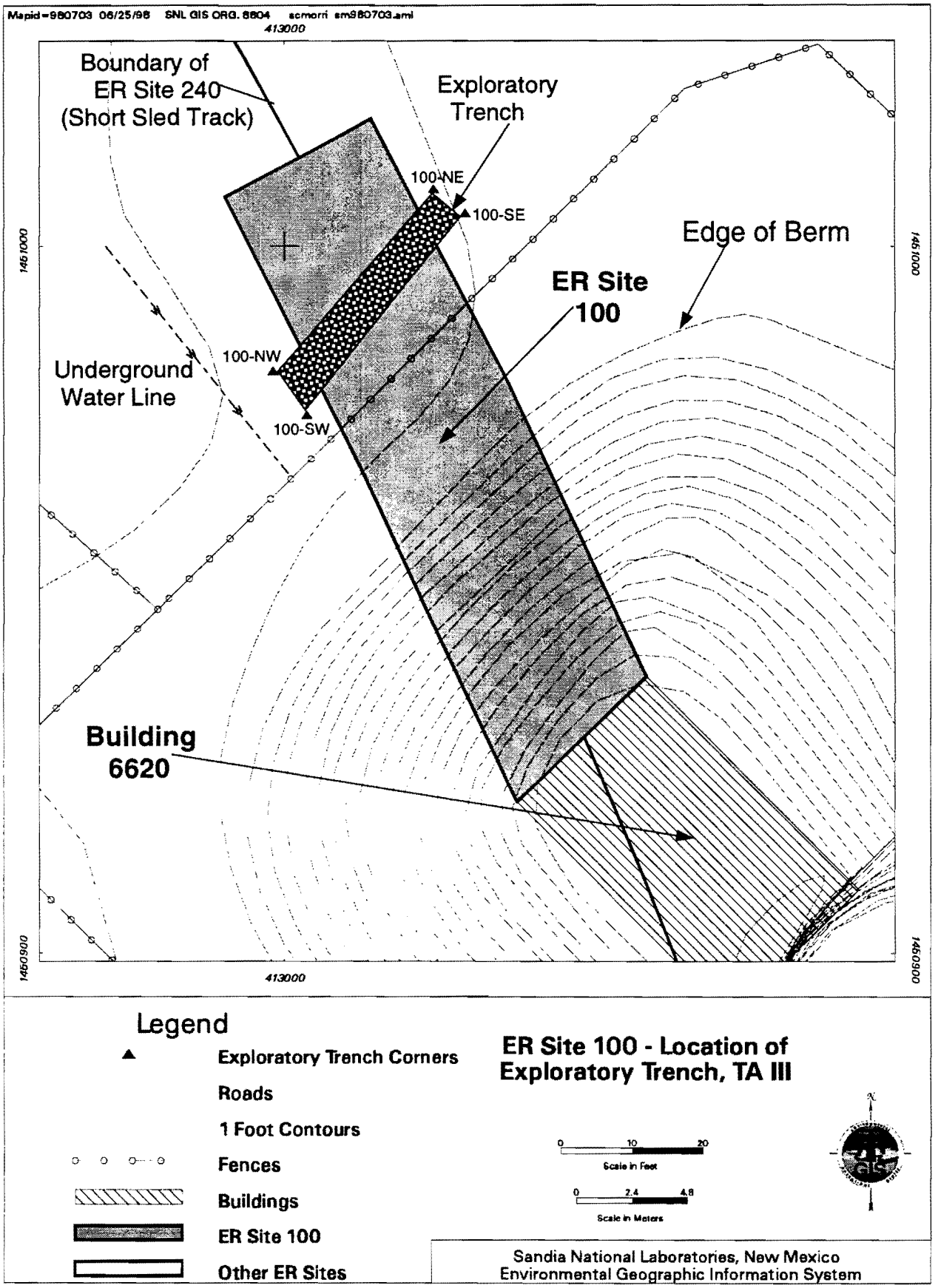
Attachment 100-1

Revised Figure 14-1 and Figure 14-2

Revised 14-1


Mapid=980702a 06/25/98 SNL GIS ORG. 6604 scmorri sm980702a.aml
413000
Boundary of
ER Site 240
(Short Sled Track)
ER
Site
100
Berm
Abandoned
Sewer Drain
to Drainfield
Underground
Water Line
1451000
Approximate
Location of
Drain and Sump
Sanitary
Sewer
Boundary of
ER Site 240
(Short Sled Track)
Building
6620
Legend
Roads
Fences
1 Foot Contours
Drain
Buildings
ER Site 100
Other ER Sites
ER Site 100 Building 6620
(Drain/Sump), TA III
0 40 80
Scale in Feet
0 9.6 19.2
Scale in Meters
Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Revised 14-2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413000
Boundary of
ER Site 240
(Short Sled Track)
Exploratory
Trench
100-NE
100-SE
Edge of Berm
ER Site
100
100-NW
Underground
Water Line
100-SW
Building
6620
1461000
1460900
413000
Legend
Exploratory Trench Corners
Roads
1 Foot Contours
Fences
Buildings
ER Site 100
Other ER Sites
ER Site 100 - Location of
Exploratory Trench, TA III
0 10 20
Scale in Feet
0 2.4 4.8
Scale in Meters
Sandia National Laboratories, New Mexico
Environmental Geographic Information System

Attachment 107-1

Laboratory Analytical Results for ER Site 107

Laboratory QA/QC – copied from laboratory reports

ER Site 107 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010) and Nitrate/nitrite (EPA Method 353.2)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	MBLs
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Aluminum	mg/kg	5200		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Antimony	mg/kg	3	J	SOIL	3.9
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Arsenic	mg/kg	4		SOIL	4.4
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Barium	mg/kg	93.6		SOIL	214
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Beryllium	mg/kg	.42		SOIL	0.65
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Calcium	mg/kg	26100		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Chromium	mg/kg	6		SOIL	21.8
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Cobalt	mg/kg	2.9		SOIL	5.2
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Copper	mg/kg	6.9		SOIL	15.4
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Iron	mg/kg	7050		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Lead	mg/kg	9.6		SOIL	21.4
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Magnesium	mg/kg	3420		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Manganese	mg/kg	142		SOIL	na
TA3/5-107-SS-01	SNL0130111	F	17-MAY-94	0	Mercury	mg/kg	<.1	U	SOIL	0.25
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Nickel	mg/kg	7.8		SOIL	11.5
TA3/5-107-SS-01	SNL0130109	F	17-MAY-94	0	Nitrate/nitrite	mg/kg	.77		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Potassium	mg/kg	1490		SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Selenium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Silver	mg/kg	.6	J	SOIL	5.6
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Sodium	mg/kg	<500	U	SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Thallium	mg/kg	<1	U	SOIL	na
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Vanadium	mg/kg	14.3		SOIL	20.4
TA3/5-107-SS-01	SNL0130110	F	17-MAY-94	0	Zinc	mg/kg	22.5		SOIL	62
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Aluminum	mg/kg	5670		SOIL	na
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Arsenic	mg/kg	3.2		SOIL	4.4
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Barium	mg/kg	82.5		SOIL	214
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Beryllium	mg/kg	.42		SOIL	0.65
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Calcium	mg/kg	11100		SOIL	na
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Chromium	mg/kg	6.7		SOIL	21.8
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Cobalt	mg/kg	3.7		SOIL	5.2
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Copper	mg/kg	7.1		SOIL	15.4
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Iron	mg/kg	7970		SOIL	na
TA3/5-107-SS-02	SNL0130114	F	17-MAY-94	0	Lead	mg/kg	9.6		SOIL	21.4

ER Site 107 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010) and Nitrate/nitrite (EPA Method 353.2)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	MBLs
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Aluminum	mg/kg	5170		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Arsenic	mg/kg	3.1		SOIL	4.4
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Barium	mg/kg	69.7		SOIL	214
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Beryllium	mg/kg	.42		SOIL	0.65
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Calcium	mg/kg	8180		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Chromium	mg/kg	6.3		SOIL	21.8
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Cobalt	mg/kg	3.2		SOIL	5.2
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Copper	mg/kg	10.6		SOIL	15.4
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Iron	mg/kg	7920		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Lead	mg/kg	11.2		SOIL	21.4
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Magnesium	mg/kg	2220		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Manganese	mg/kg	181		SOIL	na
TA3/5-107-SS-04	SNL0130123	F	17-MAY-94	0	Mercury	mg/kg	<.1	U	SOIL	0.25
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Nickel	mg/kg	6.4		SOIL	11.5
TA3/5-107-SS-04	SNL0130121	F	17-MAY-94	0	Nitrate/nitrite	mg/kg	2.4		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Potassium	mg/kg	1860		SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Selenium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Silver	mg/kg	.3	J	SOIL	5.6
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Sodium	mg/kg	<500	U	SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Thallium	mg/kg	<1	U	SOIL	na
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Vanadium	mg/kg	13.8		SOIL	20.4
TA3/5-107-SS-04	SNL0130122	F	17-MAY-94	0	Zinc	mg/kg	34.5		SOIL	62
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Aluminum	mg/kg	4070		SOIL	na
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Arsenic	mg/kg	2.1		SOIL	4.4
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Barium	mg/kg	62		SOIL	214
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Beryllium	mg/kg	.37		SOIL	0.65
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Calcium	mg/kg	3020		SOIL	na
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Chromium	mg/kg	5.2		SOIL	21.8
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Cobalt	mg/kg	3.1		SOIL	5.2
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Copper	mg/kg	6.5		SOIL	15.4
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Iron	mg/kg	6520		SOIL	na
TA3/5-107-SS-05	SNL0130126	F	17-MAY-94	0	Lead	mg/kg	8.6		SOIL	21.4

ER Site 107 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010) and Nitrate/nitrite (EPA Method 353.2)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	MBLs
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Aluminum	mg/kg	5250		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Arsenic	mg/kg	2.7		SOIL	4.4
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Barium	mg/kg	74.8		SOIL	214
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Beryllium	mg/kg	.53		SOIL	0.65
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Calcium	mg/kg	8720		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Chromium	mg/kg	6.3		SOIL	21.8
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Cobalt	mg/kg	3.3		SOIL	5.2
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Copper	mg/kg	7.5		SOIL	15.4
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Iron	mg/kg	7600		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Lead	mg/kg	9.4		SOIL	21.4
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Magnesium	mg/kg	2300		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Manganese	mg/kg	185		SOIL	na
TA3/5-107-SS-06D	SNL0130151	D	17-MAY-94	0	Mercury	mg/kg	<.1	U	SOIL	0.25
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Nickel	mg/kg	6.6		SOIL	11.5
TA3/5-107-SS-06D	SNL0130149	D	17-MAY-94	0	Nitrate/nitrite	mg/kg	.78		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Potassium	mg/kg	2060		SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Selenium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Silver	mg/kg	<1	U	SOIL	5.6
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Sodium	mg/kg	66.4	J	SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Thallium	mg/kg	<1	U	SOIL	na
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Vanadium	mg/kg	14.2		SOIL	20.4
TA3/5-107-SS-06D	SNL0130150	D	17-MAY-94	0	Zinc	mg/kg	20.7		SOIL	62
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Aluminum	mg/kg	4000		SOIL	na
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Arsenic	mg/kg	3		SOIL	4.4
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Barium	mg/kg	60.3		SOIL	214
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Beryllium	mg/kg	.31		SOIL	0.65
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Calcium	mg/kg	10400		SOIL	na
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Chromium	mg/kg	5.7		SOIL	21.8
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Cobalt	mg/kg	2.9		SOIL	5.2
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Copper	mg/kg	6.6		SOIL	15.4
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Iron	mg/kg	6380		SOIL	na
TA3/5-107-SS-07	SNL0130134	F	17-MAY-94	0	Lead	mg/kg	9		SOIL	21.4

ER Site 107 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010) and Nitrate/nitrite (EPA Method 353.2)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	MBLs
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Aluminum	mg/kg	4900		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Antimony	mg/kg	3.2	J	SOIL	3.9
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Arsenic	mg/kg	1.9		SOIL	4.4
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Barium	mg/kg	62		SOIL	214
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Beryllium	mg/kg	.42		SOIL	0.65
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Cadmium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Calcium	mg/kg	2540		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Chromium	mg/kg	6.3		SOIL	21.8
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Cobalt	mg/kg	3.2		SOIL	5.2
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Copper	mg/kg	6.2		SOIL	15.4
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Iron	mg/kg	7250		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Lead	mg/kg	8.2		SOIL	21.4
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Magnesium	mg/kg	1800		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Manganese	mg/kg	185		SOIL	na
TA3/5-107-SS-09	SNL0130143	F	17-MAY-94	0	Mercury	mg/kg	<.1	U	SOIL	0.25
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Nickel	mg/kg	6		SOIL	11.5
TA3/5-107-SS-09	SNL0130141	F	17-MAY-94	0	Nitrate/nitrite	mg/kg	1.1		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Potassium	mg/kg	1720		SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Selenium	mg/kg	<.5	U	SOIL	1
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Silver	mg/kg	<1	U	SOIL	5.6
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Sodium	mg/kg	98.7	J	SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Thallium	mg/kg	<1	U	SOIL	na
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Vanadium	mg/kg	12.4		SOIL	20.4
TA3/5-107-SS-09	SNL0130142	F	17-MAY-94	0	Zinc	mg/kg	19.5		SOIL	62
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Aluminum	mg/kg	4220		SOIL	na
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Antimony	mg/kg	<6	U	SOIL	3.9
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Arsenic	mg/kg	2.5		SOIL	4.4
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Barium	mg/kg	61.7		SOIL	214
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Beryllium	mg/kg	.31		SOIL	0.65
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Cadmium	mg/kg	.53		SOIL	1
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Calcium	mg/kg	2620		SOIL	na
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Chromium	mg/kg	5.4		SOIL	21.8
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Cobalt	mg/kg	3		SOIL	5.2
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Copper	mg/kg	5.9		SOIL	15.4
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Iron	mg/kg	6910		SOIL	na
TA3/5-107-SS-10	SNL0130146	F	17-MAY-94	0	Lead	mg/kg	9.2		SOIL	21.4

ER Site 107 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010) and Nitrate/nitrite (EPA Method 353.2)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description	MBLs
TA3/5-107-FB	SNL0130158	FB	17-MAY-94	0	Vanadium	mg/L	<.01	U	WATER	
TA3/5-107-FB	SNL0130158	FB	17-MAY-94	0	Zinc	mg/L	.02		WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Aluminum	mg/L	<.1	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Antimony	mg/L	.03	J	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Arsenic	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Barium	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Beryllium	mg/L	<.002	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Cadmium	mg/L	<.005	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Calcium	mg/L	.2		WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Chromium	mg/L	.0034	J	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Cobalt	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Copper	mg/L	<.02	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Iron	mg/L	.024	J	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Lead	mg/L	.0044	B	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Magnesium	mg/L	<.2	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Manganese	mg/L	.004	J	WATER	
TA3/5-107-RB	SNL0130155	EB	17-MAY-94	0	Mercury	mg/L	<.0002	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Nickel	mg/L	<.04	U	WATER	
TA3/5-107-RB	SNL0130156	EB	17-MAY-94	0	Nitrate/nitrite	mg/L	<.1	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Potassium	mg/L	<5	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Selenium	mg/L	.0058		WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Silver	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Sodium	mg/L	.75	J	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Thallium	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Vanadium	mg/L	<.01	U	WATER	
TA3/5-107-RB	SNL0130154	EB	17-MAY-94	0	Zinc	mg/L	.053		WATER	

F - field sample
SD - spiked duplicate
D - duplicate
FB - field blank
EB - equipment blank

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-01	SNL0130112	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-02	SNL0130116	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	5.2		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	5.1		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	5.3		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	5.4		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	5.2		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	HMX	mg/kg	5.4		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Nitro-benzene	mg/kg	5		SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Nitrotoluene, 2-	mg/kg	5.7		SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Nitrotoluene, 3-	mg/kg	4.1		SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Nitrotoluene, 4-	mg/kg	5.9		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	RDX	mg/kg	4.8		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Tetryl	mg/kg	2.4		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	5.4		SOIL
TA3/5-107-SS-03	SNL/NM16103-1	SD	17-MAY-94	0	Trinitrotoluene	mg/kg	4.4		SOIL
TA3/5-107-SS-03	SNL0130120	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-04	SNL0130124	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-05	SNL0130128	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06	SNL0130132	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-06D	SNL0130152	D	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-07	SNL0130136	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-08	SNL0130140	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-09	SNL0130144	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-107-SS-10	SNL0130148	F	17-MAY-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER

ER Site 107 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-107-RB	SNL0130153	EB	17-MAY-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-107-FB	SNL0130157	FB	17-MAY-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Actinium-227	pCi/g	<.804	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Actinium-228	pCi/g	.692		0.117	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Actinium-228	pCi/g	.71		0.23	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Americium-241	pCi/g	<.125	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Antimony-124	pCi/g	<.0144	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Antimony-125	pCi/g	<.0424	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Antimony-126	pCi/g	<.0176	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Barium-133	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Barium-140	pCi/g	<.0494	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0192	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Bismuth-212	pCi/g	.331		0.193	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Bismuth-212	pCi/g	1.2		0.71	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Bismuth-214	pCi/g	.471		0.0605	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Bismuth-214	pCi/g	.62		0.098	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cerium-139	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cerium-144	pCi/g	<.109	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cesium-134	pCi/g	<.0151	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cesium-137	pCi/g	.191		0.0306	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Cesium-137	pCi/g	.15		0.062	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Chromium-51	pCi/g	<.146	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0233	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0148	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cobalt-58	pCi/g	<.014	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Cobalt-60	pCi/g	<.058	U	999.999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0236	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Cobalt-60	pCi/g	<.058	U	999.999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Copper-64	pCi/g	<24.4	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Europium-152	pCi/g	<.0448	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Europium-154	pCi/g	<.075	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Europium-155	pCi/g	<.0719	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.048	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Indium-115M	pCi/g	<2.34	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Iodine-131	pCi/g	<.0182	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Iridium-192	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Iron-59	pCi/g	<.034	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0246	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Lead-212	pCi/g	.646		0.0452	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Lead-212	pCi/g	.71		0.079	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Lead-214	pCi/g	.48		0.0662	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Lead-214	pCi/g	.56		0.12	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Mercury-203	pCi/g	<.0187	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Neptunium-237	pCi/g	<.147	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Niobium-95	pCi/g	<.0629	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Potassium-40	pCi/g	15.6		0.723	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Potassium-40	pCi/g	15		1.2	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Protactinium-231	pCi/g	<.735	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0385	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Radium-224	pCi/g	2.27		0.676	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Radium-226	pCi/g	1.33		0.573	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Radium-226	pCi/g	.6		0.095	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Radium-228	pCi/g	.71		0.23	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Radium-228	pCi/g	.767		0.13	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.13	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Scandium-46	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Silver-110	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Sodium-22	pCi/g	<.0249	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Sodium-24	pCi/g	<.0455	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Strontium-85	pCi/g	<.0148	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Tantalum-182	pCi/g	<.176	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thallium-201	pCi/g	<.157	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thallium-208	pCi/g	.216		0.0363	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Thallium-208	pCi/g	.7		0.18	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-227	pCi/g	<.114	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-228	pCi/g	.643		0.045	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Thorium-228	pCi/g	.76		0.2	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-229	pCi/g	<.062	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-231	pCi/g	<.33	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-232	pCi/g	.767		0.13	SOIL
TA3/5-107-SS-01	SNL0130549	F	17-MAY-94	0	Thorium-232	pCi/g	.71		0.23	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Thorium-234	pCi/g	1.06		0.394	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Tin-113	pCi/g	<.0222	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Uranium-234	pCi/g	<5.34	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Uranium-235	pCi/g	<.0298	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Uranium-238	pCi/g	1.06		0.393	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0763	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Zinc-65	pCi/g	<.043	U	999.9999	SOIL
TA3/5-107-SS-01	SNL0130630	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0255	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Actinium-227	pCi/g	<.867	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Actinium-228	pCi/g	.691		0.143	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Actinium-228	pCi/g	.96		0.29	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Actinium-228	pCi/g	.96		0.29	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Americium-241	pCi/g	<.128	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Antimony-124	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Antimony-125	pCi/g	<.0477	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Antimony-126	pCi/g	<.0156	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Barium-133	pCi/g	<.0227	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Barium-140	pCi/g	<.061	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Beryllium-7	pCi/g	<.152	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0191	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Bismuth-212	pCi/g	1.2		0.71	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Bismuth-212	pCi/g	1.2		0.71	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Bismuth-212	pCi/g	.37		0.203	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Bismuth-214	pCi/g	.75		0.12	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Bismuth-214	pCi/g	.75		0.12	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Bismuth-214	pCi/g	.442		0.0718	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cadmium-109	pCi/g	<.634	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cerium-139	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cerium-144	pCi/g	<.116	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cesium-134	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cesium-137	pCi/g	.2		0.079	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cesium-137	pCi/g	.2		0.079	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cesium-137	pCi/g	.169		0.0357	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Chromium-51	pCi/g	<.149	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0232	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0149	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0145	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cobalt-60	pCi/g	<.049	U	999.999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cobalt-60	pCi/g	<.049	U	999.999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0219	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cobalt-60	pCi/g	<.049	U	999.999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Cobalt-60	pCi/g	<.049	U	999.999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Copper-64	pCi/g	<24.5	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Europium-152	pCi/g	<.0446	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Europium-154	pCi/g	<.0814	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Europium-155	pCi/g	<.0755	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0497	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Indium-115M	pCi/g	<2.16	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Iodine-131	pCi/g	<.0175	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Iridium-192	pCi/g	<.0164	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Iron-59	pCi/g	<.0425	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0228	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Lead-212	pCi/g	.697		0.0482	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Lead-212	pCi/g	.77		0.084	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Lead-212	pCi/g	.77		0.084	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Lead-214	pCi/g	.76		0.13	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Lead-214	pCi/g	.76		0.13	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Lead-214	pCi/g	.572		0.0701	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Manganese-54	pCi/g	<.0195	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Mercury-203	pCi/g	<.0211	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Neptunium-237	pCi/g	<.162	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Niobium-95	pCi/g	<.0665	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Potassium-40	pCi/g	15		1.2	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Potassium-40	pCi/g	15		1.2	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Potassium-40	pCi/g	15.6		0.723	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Protactinium-231	pCi/g	<.773	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0369	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Radium-224	pCi/g	.653		0.567	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Radium-226	pCi/g	.73		0.12	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Radium-226	pCi/g	.73		0.12	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Radium-226	pCi/g	.971		0.605	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Radium-228	pCi/g	.765		0.159	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Radium-228	pCi/g	.96		0.29	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Radium-228	pCi/g	.96		0.29	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.161	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Scandium-46	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Silver-110	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Sodium-22	pCi/g	<.018	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Sodium-24	pCi/g	<.05	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Strontium-85	pCi/g	<.0166	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Tantalum-182	pCi/g	<.159	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thallium-201	pCi/g	<.159	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thallium-208	pCi/g	.74		0.21	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thallium-208	pCi/g	.74		0.21	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thallium-208	pCi/g	.283		0.0351	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-227	pCi/g	<.119	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thorium-228	pCi/g	.8		0.22	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thorium-228	pCi/g	.8		0.22	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-228	pCi/g	.694		0.048	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-229	pCi/g	<.0654	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-231	pCi/g	<.348	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-232	pCi/g	.765		0.159	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thorium-232	pCi/g	.96		0.29	SOIL
TA3/5-107-SS-02	SNL0130550	F	17-MAY-94	0	Thorium-232	pCi/g	.96		0.29	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Thorium-234	pCi/g	<.387	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Tin-113	pCi/g	<.0221	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Uranium-234	pCi/g	<5.37	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Uranium-235	pCi/g	<.0309	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Uranium-238	pCi/g	<.404	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0756	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Yttrium-88	pCi/g	<.018	U	999.9999	SOIL
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Zinc-65	pCi/g	<.0438	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-02	SNL0130631	F	17-MAY-94	0	Zirconium-95	pCi/g	<.033	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Actinium-227	pCi/g	<.946	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Actinium-228	pCi/g	.95		0.117	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Actinium-228	pCi/g	.98		0.27	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Americium-241	pCi/g	<.133	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Antimony-124	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Antimony-125	pCi/g	<.0531	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Antimony-126	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Barium-133	pCi/g	<.0228	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Barium-140	pCi/g	<.0622	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Beryllium-7	pCi/g	<.149	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Bismuth-212	pCi/g	.608		0.184	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Bismuth-214	pCi/g	.567		0.0725	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cadmium-109	pCi/g	<.686	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cerium-139	pCi/g	<.0165	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cerium-144	pCi/g	<.128	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cesium-134	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cesium-137	pCi/g	.189		0.029	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Cesium-137	pCi/g	.18		0.074	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Chromium-51	pCi/g	<.152	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0269	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0147	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Cobalt-60	pCi/g	<.045	U	999.999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0255	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Cobalt-60	pCi/g	<.045	U	999.999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Copper-64	pCi/g	<29.2	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Europium-152	pCi/g	<.0485	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Europium-154	pCi/g	<.0871	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Europium-155	pCi/g	<.0743	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0517	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Indium-115M	pCi/g	<2.67	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Iodine-131	pCi/g	<.0208	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Iridium-192	pCi/g	<.0167	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Iron-59	pCi/g	<.0451	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.021	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Lead-212	pCi/g	.93		0.09	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Lead-212	pCi/g	.83		0.0553	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Lead-214	pCi/g	.696		0.08	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Lead-214	pCi/g	.81		0.13	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Manganese-54	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Mercury-203	pCi/g	<.0212	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Neptunium-237	pCi/g	<.165	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Niobium-95	pCi/g	<.0715	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Potassium-40	pCi/g	15.9		0.765	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Potassium-40	pCi/g	16		1.3	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Protactinium-231	pCi/g	<.895	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0401	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Radium-224	pCi/g	.634		0.598	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Radium-224	pCi/g	2		0.86	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Radium-226	pCi/g	1.61		0.575	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Radium-226	pCi/g	.69		0.13	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Radium-228	pCi/g	.98		0.27	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Radium-228	pCi/g	<.226	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0168	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.168	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Scandium-46	pCi/g	<.0175	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Silver-110	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Sodium-22	pCi/g	<.024	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Sodium-24	pCi/g	<.0737	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Strontium-85	pCi/g	<.0176	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Tantalum-182	pCi/g	<.181	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thallium-201	pCi/g	<.177	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thallium-208	pCi/g	.269		0.0323	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Thallium-208	pCi/g	.84		0.19	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-227	pCi/g	<.125	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-228	pCi/g	.826		0.055	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Thorium-228	pCi/g	.91		0.21	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-229	pCi/g	<.0703	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-231	pCi/g	.456		0.368	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-232	pCi/g	<.226	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130551	F	17-MAY-94	0	Thorium-232	pCi/g	.98		0.27	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Thorium-234	pCi/g	<.398	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Tin-113	pCi/g	<.0231	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Uranium-234	pCi/g	<5.67	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Uranium-235	pCi/g	<.0336	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Uranium-238	pCi/g	<.42	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0824	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Zinc-65	pCi/g	<.0455	U	999.9999	SOIL
TA3/5-107-SS-03	SNL0130632	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0296	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Actinium-227	pCi/g	<.897	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Actinium-228	pCi/g	.94		0.26	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Actinium-228	pCi/g	.836		0.132	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Americium-241	pCi/g	<.14	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Antimony-124	pCi/g	<.0182	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Antimony-125	pCi/g	<.0448	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Antimony-126	pCi/g	<.0169	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Barium-133	pCi/g	<.0249	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Barium-140	pCi/g	<.066	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Beryllium-7	pCi/g	<.156	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0216	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Bismuth-212	pCi/g	.609		0.244	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Bismuth-214	pCi/g	.504		0.0722	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Bismuth-214	pCi/g	.75		0.14	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cadmium-109	pCi/g	<.682	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cerium-139	pCi/g	<.0167	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cerium-144	pCi/g	<.126	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cesium-134	pCi/g	<.0173	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Cesium-137	pCi/g	.22		0.071	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cesium-137	pCi/g	.196		0.041	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Chromium-51	pCi/g	<.151	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0274	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0166	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0169	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Cobalt-60	pCi/g	<.055	U	999.999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0236	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Cobalt-60	pCi/g	<.055	U	999.999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Copper-64	pCi/g	<40	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Europium-152	pCi/g	<.0498	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Europium-154	pCi/g	<.0809	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Europium-155	pCi/g	<.079	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0531	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Indium-115M	pCi/g	<5.18	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Iodine-131	pCi/g	<.0194	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Iridium-192	pCi/g	<.0182	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Iron-59	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0274	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Lead-212	pCi/g	.787		0.0568	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Lead-212	pCi/g	.81		0.089	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Lead-214	pCi/g	.59		0.0758	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Lead-214	pCi/g	.77		0.17	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Manganese-54	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Mercury-203	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Niobium-95	pCi/g	<.0729	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Potassium-40	pCi/g	17		1.3	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Potassium-40	pCi/g	15.8		0.781	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Protactinium-231	pCi/g	<.761	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0379	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Radium-223	pCi/g	.39		0.2	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Radium-224	pCi/g	1.23		0.568	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Radium-226	pCi/g	.73		0.14	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Radium-226	pCi/g	1.91		0.696	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Radium-228	pCi/g	.926		0.146	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Radium-228	pCi/g	.94		0.26	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Radon-219	pCi/g	.5		0.25	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0192	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.143	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Scandium-46	pCi/g	<.0197	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Silver-110	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Sodium-22	pCi/g	<.023	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Sodium-24	pCi/g	<.0819	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Strontium-85	pCi/g	<.017	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Tantalum-182	pCi/g	<.187	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thallium-201	pCi/g	<.177	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Thallium-208	pCi/g	.86		0.2	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thallium-208	pCi/g	.233		0.0374	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-227	pCi/g	<.126	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Thorium-228	pCi/g	.92		0.22	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-228	pCi/g	.783		0.0566	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-229	pCi/g	<.0683	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-231	pCi/g	<.363	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-232	pCi/g	.926		0.146	SOIL
TA3/5-107-SS-04	SNL0130552	F	17-MAY-94	0	Thorium-232	pCi/g	.94		0.26	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Thorium-234	pCi/g	.982		0.437	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Tin-113	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Uranium-234	pCi/g	<5.8	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Uranium-235	pCi/g	<.0332	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Uranium-238	pCi/g	.98		0.437	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0851	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Zinc-65	pCi/g	<.0525	U	999.9999	SOIL
TA3/5-107-SS-04	SNL0130633	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0329	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Actinium-227	pCi/g	<.892	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Actinium-228	pCi/g	.746		0.125	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Actinium-228	pCi/g	.79		0.25	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Americium-241	pCi/g	<.131	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Antimony-124	pCi/g	<.0149	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Antimony-125	pCi/g	<.0444	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Antimony-126	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Barium-133	pCi/g	<.0209	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Barium-140	pCi/g	<.0592	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Beryllium-7	pCi/g	<.14	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0173	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Bismuth-212	pCi/g	.458		0.176	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Bismuth-214	pCi/g	.523		0.0693	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Bismuth-214	pCi/g	.75		0.16	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cadmium-109	pCi/g	<.633	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cerium-139	pCi/g	<.014	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cerium-144	pCi/g	<.113	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cesium-134	pCi/g	<.0147	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cesium-137	pCi/g	.148		0.0256	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Cesium-137	pCi/g	.16		0.077	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Chromium-51	pCi/g	<.134	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0232	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0149	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0144	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Cobalt-60	pCi/g	<.025	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Cobalt-60	pCi/g	<.061	U	999.999	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Cobalt-60	pCi/g	<.061	U	999.999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Copper-64	pCi/g	<26.7	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Europium-152	pCi/g	<.0446	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Europium-154	pCi/g	<.0689	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Europium-155	pCi/g	<.076	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0476	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Indium-115M	pCi/g	<5.34	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Iodine-131	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Iridium-192	pCi/g	<.0154	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Iron-59	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.027	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Lead-212	pCi/g	.681		0.0489	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Lead-212	pCi/g	.88		0.087	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Lead-214	pCi/g	.78		0.13	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Lead-214	pCi/g	.625		0.068	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Manganese-54	pCi/g	<.015	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Mercury-203	pCi/g	<.0194	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Niobium-95	pCi/g	<.0708	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Potassium-40	pCi/g	16.6		0.722	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Potassium-40	pCi/g	16		1.4	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Protactinium-231	pCi/g	<.773	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0362	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Radium-224	pCi/g	1.31		0.646	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Radium-226	pCi/g	1.33		0.502	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Radium-226	pCi/g	.73		0.16	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Radium-228	pCi/g	.79		0.25	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Radium-228	pCi/g	.826		0.138	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0145	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.131	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Scandium-46	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Silver-110	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Sodium-22	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Sodium-24	pCi/g	<.0831	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Strontium-85	pCi/g	<.0165	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Tantalum-182	pCi/g	<.165	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thallium-201	pCi/g	<.157	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thallium-208	pCi/g	.243		0.0328	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Thallium-208	pCi/g	.8		0.22	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-227	pCi/g	<.117	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-228	pCi/g	.678		0.0487	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Thorium-228	pCi/g	.86		0.23	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-229	pCi/g	<.0676	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-231	pCi/g	<.338	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130553	F	17-MAY-94	0	Thorium-232	pCi/g	.79		0.25	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-232	pCi/g	.826		0.138	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Thorium-234	pCi/g	<.377	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Tin-113	pCi/g	<.0216	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Uranium-234	pCi/g	<5.42	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Uranium-235	pCi/g	<.0325	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Uranium-238	pCi/g	<.389	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0782	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Zinc-65	pCi/g	<.0397	U	999.9999	SOIL
TA3/5-107-SS-05	SNL0130634	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0285	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Actinium-227	pCi/g	<.933	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Actinium-228	pCi/g	1.1		0.25	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Actinium-228	pCi/g	.86		0.143	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Americium-241	pCi/g	<.13	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Antimony-124	pCi/g	<.0175	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Antimony-125	pCi/g	<.05	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Antimony-126	pCi/g	<.0198	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Barium-133	pCi/g	<.026	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Barium-140	pCi/g	<.068	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Beryllium-7	pCi/g	<.138	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0197	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Bismuth-212	pCi/g	.515		0.198	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Bismuth-214	pCi/g	.548		0.0726	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Bismuth-214	pCi/g	.71		0.13	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cadmium-109	pCi/g	<.704	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cerium-139	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cerium-144	pCi/g	<.131	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cesium-134	pCi/g	<.0169	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Cesium-137	pCi/g	.15		0.066	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cesium-137	pCi/g	.195		0.0407	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Chromium-51	pCi/g	<.149	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0192	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Cobalt-60	pCi/g	<.055	U	999.999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0252	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Cobalt-60	pCi/g	<.055	U	999.999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Copper-64	pCi/g	<42.8	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Europium-152	pCi/g	<.0491	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Europium-154	pCi/g	<.0832	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Europium-155	pCi/g	<.0757	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0537	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Indium-115M	pCi/g	<6.9	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Iodine-131	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Iridium-192	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Iron-59	pCi/g	<.0432	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.02	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Lead-212	pCi/g	.88		0.086	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Lead-212	pCi/g	.67		0.0671	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Lead-214	pCi/g	.621		0.0798	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Lead-214	pCi/g	.76		0.13	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Manganese-54	pCi/g	<.0177	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Mercury-203	pCi/g	<.0212	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Niobium-95	pCi/g	<.0781	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Potassium-40	pCi/g	16		1.2	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Potassium-40	pCi/g	17		0.796	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Protactinium-231	pCi/g	<.81	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0369	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Radium-224	pCi/g	<.563	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Radium-226	pCi/g	.69		0.13	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Radium-226	pCi/g	1.54		0.633	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Radium-228	pCi/g	.953		0.159	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Radium-228	pCi/g	1.1		0.25	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.161	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Scandium-46	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Silver-110	pCi/g	<.018	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Sodium-22	pCi/g	<.0269	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Sodium-24	pCi/g	<.0687	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Strontium-85	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Tantalum-182	pCi/g	<.159	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thallium-201	pCi/g	<.186	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thallium-208	pCi/g	.246		0.0418	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Thallium-208	pCi/g	.77		0.17	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-227	pCi/g	<.132	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-228	pCi/g	.667		0.0668	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Thorium-228	pCi/g	.84		0.18	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-229	pCi/g	<.0671	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-231	pCi/g	<.367	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-232	pCi/g	.953		0.159	SOIL
TA3/5-107-SS-06	SNL0130554	F	17-MAY-94	0	Thorium-232	pCi/g	1.1		0.25	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Thorium-234	pCi/g	<.393	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Tin-113	pCi/g	<.0227	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Uranium-234	pCi/g	<6.03	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Uranium-235	pCi/g	<.0319	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Uranium-238	pCi/g	<.416	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.086	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0213	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Zinc-65	pCi/g	<.0517	U	999.9999	SOIL
TA3/5-107-SS-06	SNL0130635	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0314	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Actinium-227	pCi/g	<.949	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Actinium-228	pCi/g	.898		0.116	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Actinium-228	pCi/g	.91		0.3	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Americium-241	pCi/g	<.134	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Antimony-124	pCi/g	<.0159	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Antimony-125	pCi/g	<.0493	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Antimony-126	pCi/g	<.0188	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Barium-133	pCi/g	<.0256	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Barium-140	pCi/g	<.0575	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Beryllium-7	pCi/g	<.147	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Bismuth-207	pCi/g	<.02	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Bismuth-212	pCi/g	.449		0.205	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Bismuth-212	pCi/g	1.6		0.79	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Bismuth-214	pCi/g	.54		0.15	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Bismuth-214	pCi/g	.535		0.0766	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cerium-139	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cerium-144	pCi/g	<.121	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cesium-134	pCi/g	<.0151	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cesium-137	pCi/g	.177		0.0323	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Cesium-137	pCi/g	.18		0.065	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Chromium-51	pCi/g	<.162	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cobalt-56	pCi/g	<.0243	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cobalt-57	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cobalt-58	pCi/g	<.0173	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Cobalt-60	pCi/g	<.048	U	999.999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Cobalt-60	pCi/g	<.0283	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Cobalt-60	pCi/g	<.048	U	999.999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Copper-64	pCi/g	<17.9	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Europium-152	pCi/g	<.0468	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Europium-154	pCi/g	<.0814	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Gadolinium-153	pCi/g	<.0495	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Indium-115M	pCi/g	<.676	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Iodine-131	pCi/g	<.0198	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Iridium-192	pCi/g	<.0183	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Iron-59	pCi/g	<.0397	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Lanthanum-140	pCi/g	<.017	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Lead-212	pCi/g	.744		0.0533	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Lead-212	pCi/g	.84		0.086	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Lead-214	pCi/g	.78		0.13	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Lead-214	pCi/g	.616		0.0687	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Manganese-54	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Manganese-56	pCi/g	<4.2	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Mercury-203	pCi/g	<.0205	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Niobium-95	pCi/g	<.0669	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Potassium-40	pCi/g	16.8		0.772	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Potassium-40	pCi/g	17		1.3	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Protactinium-231	pCi/g	<.802	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Protactinium-233	pCi/g	<.0368	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Radium-224	pCi/g	2.94		0.797	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Radium-226	pCi/g	2.02		0.581	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Radium-226	pCi/g	.53		0.14	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Radium-228	pCi/g	.91		0.3	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Radium-228	pCi/g	.995		0.129	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Ruthenium-103	pCi/g	<.0146	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Ruthenium-106	pCi/g	<.159	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Scandium-46	pCi/g	<.0188	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Silver-110	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Sodium-22	pCi/g	<.0232	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Sodium-24	pCi/g	<.0435	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Strontium-85	pCi/g	<.0174	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Tantalum-182	pCi/g	<.193	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thallium-201	pCi/g	<.16	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Thallium-208	pCi/g	.8		0.17	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thallium-208	pCi/g	.291		0.0327	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-227	pCi/g	<.13	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Thorium-228	pCi/g	.86		0.18	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-228	pCi/g	.74		0.053	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-229	pCi/g	<.0694	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-231	pCi/g	<.373	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130559	D	17-MAY-94	0	Thorium-232	pCi/g	.91		0.3	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-232	pCi/g	.995		0.129	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Thorium-234	pCi/g	1.09		0.514	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Tin-113	pCi/g	<.0217	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Uranium-234	pCi/g	<5.75	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Uranium-235	pCi/g	<.0346	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Uranium-238	pCi/g	1.09		0.513	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0746	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Yttrium-88	pCi/g	<.0184	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Zinc-65	pCi/g	<.0452	U	999.9999	SOIL
TA3/5-107-SS-06D	SNL0130640	D	17-MAY-94	0	Zirconium-95	pCi/g	<.0328	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Actinium-227	pCi/g	<.809	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Actinium-228	pCi/g	.631		0.111	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Actinium-228	pCi/g	.98		0.28	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Americium-241	pCi/g	<.113	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Antimony-124	pCi/g	<.0135	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Antimony-125	pCi/g	<.0401	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Antimony-126	pCi/g	<.0151	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Barium-133	pCi/g	<.0183	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Barium-140	pCi/g	<.055	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Beryllium-7	pCi/g	<.137	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Bismuth-212	pCi/g	.282		0.141	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Bismuth-214	pCi/g	.467		0.0578	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Bismuth-214	pCi/g	.5		0.1	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cadmium-109	pCi/g	<.553	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cerium-139	pCi/g	<.0136	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cerium-144	pCi/g	<.106	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cesium-134	pCi/g	<.0135	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Cesium-137	pCi/g	.13		0.058	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cesium-137	pCi/g	.12		0.0345	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Chromium-51	pCi/g	<.13	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0131	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0128	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Cobalt-60	pCi/g	<.051	U	999.999	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Cobalt-60	pCi/g	<.051	U	999.999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0242	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Copper-64	pCi/g	<33.2	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Europium-152	pCi/g	<.0397	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Europium-154	pCi/g	<.0692	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Europium-155	pCi/g	<.0639	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0417	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Indium-115M	pCi/g	<6.91	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Iodine-131	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Iridium-192	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Iron-59	pCi/g	<.0329	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Lead-212	pCi/g	.69		0.078	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Lead-212	pCi/g	.575		0.0448	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Lead-214	pCi/g	.67		0.13	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Lead-214	pCi/g	.466		0.06	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Manganese-54	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Mercury-203	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Niobium-95	pCi/g	<.064	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Potassium-40	pCi/g	15.6		0.66	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Potassium-40	pCi/g	16		1.2	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Protactinium-231	pCi/g	<.667	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0316	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Radium-224	pCi/g	.972		0.624	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Radium-226	pCi/g	.48		0.1	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Radium-226	pCi/g	1.2		0.526	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Radium-228	pCi/g	.699		0.123	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Radium-228	pCi/g	.98		0.28	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0139	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.126	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Scandium-46	pCi/g	<.0126	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Silver-110	pCi/g	<.0147	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Sodium-22	pCi/g	<.0209	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Sodium-24	pCi/g	<.0819	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Strontium-85	pCi/g	<.0138	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Tantalum-182	pCi/g	<.136	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thallium-201	pCi/g	<.153	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thallium-208	pCi/g	.215		0.0299	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Thallium-208	pCi/g	.58		0.15	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-227	pCi/g	<.104	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-228	pCi/g	.572		0.0446	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Thorium-228	pCi/g	.62		0.16	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-229	pCi/g	<.056	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-231	pCi/g	<.285	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-232	pCi/g	.699		0.123	SOIL
TA3/5-107-SS-07	SNL0130555	F	17-MAY-94	0	Thorium-232	pCi/g	.98		0.28	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Thorium-234	pCi/g	<.335	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Tin-113	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Uranium-234	pCi/g	<5	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Uranium-235	pCi/g	<.026	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Uranium-238	pCi/g	<.349	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0672	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0142	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Zinc-65	pCi/g	<.0409	U	999.9999	SOIL
TA3/5-107-SS-07	SNL0130636	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0273	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Actinium-227	pCi/g	<.856	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Actinium-228	pCi/g	.862		0.121	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Actinium-228	pCi/g	.92		0.32	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Americium-241	pCi/g	<.125	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Antimony-124	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Antimony-125	pCi/g	<.0482	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Antimony-126	pCi/g	<.0184	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Barium-133	pCi/g	<.0241	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Barium-140	pCi/g	<.058	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Beryllium-7	pCi/g	<.145	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0191	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Bismuth-212	pCi/g	.572		0.205	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Bismuth-214	pCi/g	.57		0.14	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Bismuth-214	pCi/g	.456		0.0662	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cadmium-109	pCi/g	<.629	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cerium-139	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cerium-144	pCi/g	<.111	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cesium-134	pCi/g	<.0161	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cesium-137	pCi/g	.246		0.0379	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Cesium-137	pCi/g	.21		0.064	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Chromium-51	pCi/g	<.141	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0219	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0149	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cobalt-58	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0258	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Cobalt-60	pCi/g	<.047	U	999.999	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Cobalt-60	pCi/g	<.047	U	999.999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Copper-64	pCi/g	<33.2	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Europium-152	pCi/g	<.0459	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Europium-154	pCi/g	<.086	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Europium-155	pCi/g	<.0715	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0487	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Iodine-131	pCi/g	<.019	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Iridium-192	pCi/g	<.0177	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Iron-59	pCi/g	<.0405	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0197	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Lead-212	pCi/g	.74		0.099	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Lead-212	pCi/g	.65		0.0618	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Lead-214	pCi/g	.566		0.0663	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Lead-214	pCi/g	.76		0.14	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Manganese-54	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Mercury-203	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Neptunium-237	pCi/g	<.164	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Niobium-95	pCi/g	<.0713	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Potassium-40	pCi/g	16		0.732	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Potassium-40	pCi/g	15		1.3	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Protactinium-231	pCi/g	<.762	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0371	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Radium-224	pCi/g	<.517	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Radium-226	pCi/g	1.46		0.581	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Radium-226	pCi/g	.55		0.14	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Radium-228	pCi/g	.92		0.32	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Radium-228	pCi/g	.955		0.134	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.135	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Scandium-46	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Silver-110	pCi/g	<.0164	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Sodium-22	pCi/g	<.023	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Sodium-24	pCi/g	<.0939	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Strontium-85	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Tantalum-182	pCi/g	<.165	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thallium-201	pCi/g	<.176	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thallium-208	pCi/g	.239		0.0352	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Thallium-208	pCi/g	.82		0.22	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-227	pCi/g	<.119	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Thorium-228	pCi/g	.88		0.24	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-228	pCi/g	.647		0.0616	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-229	pCi/g	<.066	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-231	pCi/g	<.34	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130556	F	17-MAY-94	0	Thorium-232	pCi/g	.92		0.32	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-232	pCi/g	.955		0.134	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Thorium-234	pCi/g	<.381	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Tin-113	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Uranium-234	pCi/g	<5.49	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Uranium-235	pCi/g	<.0308	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Uranium-238	pCi/g	<.399	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0799	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0174	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Zinc-65	pCi/g	<.0408	U	999.9999	SOIL
TA3/5-107-SS-08	SNL0130637	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0308	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Actinium-227	pCi/g	<.851	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Actinium-228	pCi/g	.6		0.28	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Actinium-228	pCi/g	.882		0.129	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Americium-241	pCi/g	<.132	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Antimony-124	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Antimony-125	pCi/g	<.0447	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Antimony-126	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Barium-133	pCi/g	<.0237	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Barium-140	pCi/g	<.0564	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Beryllium-7	pCi/g	<.144	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0176	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Bismuth-212	pCi/g	.411		0.208	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Bismuth-212	pCi/g	1.4		0.89	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Bismuth-214	pCi/g	.534		0.0704	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Bismuth-214	pCi/g	.65		0.13	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cadmium-109	pCi/g	<.639	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cerium-139	pCi/g	<.0151	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cerium-144	pCi/g	<.117	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cesium-134	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Cesium-137	pCi/g	.35		0.078	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cesium-137	pCi/g	.303		0.0432	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Chromium-51	pCi/g	<.143	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0242	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cobalt-57	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0147	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Cobalt-60	pCi/g	<.051	U	999.999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Cobalt-60	pCi/g	<.051	U	999.999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0231	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Copper-64	pCi/g	<40.4	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Europium-152	pCi/g	<.0465	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Europium-154	pCi/g	<.0789	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Europium-155	pCi/g	<.0755	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0481	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Iodine-131	pCi/g	<.0192	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Iridium-192	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Iron-59	pCi/g	<.0356	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0299	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Lead-212	pCi/g	.637		0.0614	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Lead-212	pCi/g	.78		0.08	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Lead-214	pCi/g	.597		0.0694	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Lead-214	pCi/g	.68		0.11	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Manganese-54	pCi/g	<.0178	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Mercury-203	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Niobium-95	pCi/g	<.0735	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Potassium-40	pCi/g	14		1.1	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Potassium-40	pCi/g	17.3		0.744	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Protactinium-231	pCi/g	<.801	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0363	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Radium-224	pCi/g	<.529	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Radium-224	pCi/g	1.7		1.1	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Radium-226	pCi/g	.63		0.12	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Radium-226	pCi/g	2.18		0.769	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Radium-228	pCi/g	.977		0.143	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Radium-228	pCi/g	.6		0.28	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.0137	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.15	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Scandium-46	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Silver-110	pCi/g	<.0165	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Sodium-22	pCi/g	<.0205	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Sodium-24	pCi/g	<.0787	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Strontium-85	pCi/g	.0312		0.0252	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Tantalum-182	pCi/g	<.139	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thallium-201	pCi/g	<.169	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Thallium-208	pCi/g	.68		0.18	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thallium-208	pCi/g	.264		0.032	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-227	pCi/g	<.12	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-228	pCi/g	.634		0.0611	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Thorium-228	pCi/g	.74		0.2	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-229	pCi/g	<.0682	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-231	pCi/g	<.336	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Thorium-232	pCi/g	.6		0.28	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-232	pCi/g	.977		0.143	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Thorium-234	pCi/g	<.377	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130557	F	17-MAY-94	0	Thorium-234	pCi/g	1.2		0.57	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Tin-113	pCi/g	<.0197	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Uranium-234	pCi/g	<5.57	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Uranium-235	pCi/g	<.0318	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Uranium-238	pCi/g	<.398	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0823	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Yttrium-88	pCi/g	<.017	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Zinc-65	pCi/g	<.0475	U	999.9999	SOIL
TA3/5-107-SS-09	SNL0130638	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0283	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Actinium-227	pCi/g	<.885	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Actinium-228	pCi/g	.78		0.22	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Actinium-228	pCi/g	.71		0.128	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Americium-241	pCi/g	<.132	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Antimony-124	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Antimony-125	pCi/g	<.0448	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Antimony-126	pCi/g	<.0174	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Barium-133	pCi/g	<.0205	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Barium-140	pCi/g	<.0594	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Bismuth-207	pCi/g	<.0196	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Bismuth-212	pCi/g	.563		0.27	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Bismuth-214	pCi/g	.59		0.12	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Bismuth-214	pCi/g	.488		0.0816	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cadmium-109	pCi/g	<.629	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cerium-139	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cerium-144	pCi/g	<.123	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cesium-134	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cesium-137	pCi/g	.224		0.0372	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Cesium-137	pCi/g	.15		0.065	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Chromium-51	pCi/g	<.154	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cobalt-56	pCi/g	<.0235	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cobalt-57	pCi/g	<.015	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cobalt-58	pCi/g	<.0159	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Cobalt-60	pCi/g	<.052	U	999.999	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Cobalt-60	pCi/g	<.052	U	999.999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Cobalt-60	pCi/g	<.0267	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Copper-64	pCi/g	<48.9	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Europium-152	pCi/g	<.0449	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Europium-154	pCi/g	<.0836	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Europium-155	pCi/g	<.0782	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Gadolinium-153	pCi/g	<.0489	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Iodine-131	pCi/g	<.018	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Iridium-192	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Iron-59	pCi/g	<.0375	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Lanthanum-140	pCi/g	<.0284	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Lead-212	pCi/g	.83		0.084	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Lead-212	pCi/g	.679		0.0547	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Lead-214	pCi/g	.81		0.13	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Lead-214	pCi/g	.56		0.0699	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Manganese-54	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Mercury-203	pCi/g	<.0204	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Neptunium-237	pCi/g	<.157	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Niobium-95	pCi/g	<.0747	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Potassium-40	pCi/g	16.6		0.729	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Potassium-40	pCi/g	16		1.3	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Protactinium-231	pCi/g	<.817	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Protactinium-233	pCi/g	<.0392	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Radium-224	pCi/g	1.05		0.751	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Radium-226	pCi/g	.57		0.12	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Radium-226	pCi/g	1.34		0.638	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Radium-228	pCi/g	.78		0.22	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Radium-228	pCi/g	.786		0.141	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Ruthenium-103	pCi/g	<.016	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Ruthenium-106	pCi/g	<.162	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Scandium-46	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Silver-110	pCi/g	<.0147	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Sodium-22	pCi/g	<.0233	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Sodium-24	pCi/g	<.0946	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Strontium-85	pCi/g	<.0159	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Tantalum-182	pCi/g	<.167	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thallium-201	pCi/g	<.181	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thallium-208	pCi/g	.207		0.0321	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Thallium-208	pCi/g	.78		0.22	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-227	pCi/g	<.121	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-228	pCi/g	.676		0.0545	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Thorium-228	pCi/g	.84		0.23	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-229	pCi/g	<.0673	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-231	pCi/g	<.334	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130558	F	17-MAY-94	0	Thorium-232	pCi/g	.78		0.22	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-232	pCi/g	.786		0.141	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Thorium-234	pCi/g	<.396	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Tin-113	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Uranium-234	pCi/g	<5.86	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Uranium-235	pCi/g	<.0307	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Uranium-238	pCi/g	<.419	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0824	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Yttrium-88	pCi/g	<.0174	U	999.9999	SOIL

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Zinc-65	pCi/g	<.0443	U	999.9999	SOIL
TA3/5-107-SS-10	SNL0130639	F	17-MAY-94	0	Zirconium-95	pCi/g	<.0294	U	999.9999	SOIL
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Actinium-227	pCi/g	<.523	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Actinium-228	pCi/g	<.043	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Americium-241	pCi/g	<.0581	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Antimony-124	pCi/g	<.0101	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Antimony-125	pCi/g	<.032	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Antimony-126	pCi/g	<.0103	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Argon-41	pCi/g	<.193	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Barium-133	pCi/g	<.0131	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Barium-140	pCi/g	<.034	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Beryllium-7	pCi/g	<.087	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Bismuth-207	pCi/g	<.0153	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Bismuth-212	pCi/g	<.0747	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Bismuth-214	pCi/g	<.0302	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cadmium-109	pCi/g	<.216	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cerium-139	pCi/g	<.00886	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cerium-144	pCi/g	<.0638	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cesium-134	pCi/g	<.00907	U	999.9999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Cesium-137	pCi/L	<25	U	999.999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cesium-137	pCi/g	<.0109	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Chromium-51	pCi/g	<.0889	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cobalt-56	pCi/g	<.0212	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cobalt-57	pCi/g	<.00843	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cobalt-58	pCi/g	<.01	U	999.9999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Cobalt-60	pCi/L	<25	U	999.999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Cobalt-60	pCi/L	<25	U	999.999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Cobalt-60	pCi/g	<.0106	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Copper-64	pCi/g	<5.75	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Europium-152	pCi/g	<.0251	U	999.9999	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Europium-154	pCi/g	<.0483	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Europium-155	pCi/g	<.0354	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Gadolinium-153	pCi/g	<.0237	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Indium-115M	pCi/g	<.0614	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Iodine-131	pCi/g	<.00956	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Iridium-192	pCi/g	<.0102	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Iron-59	pCi/g	<.019	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Lanthanum-140	pCi/g	<.0115	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Lead-212	pCi/g	<.0178	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Lead-214	pCi/g	<.0267	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Manganese-54	pCi/g	<.0103	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Manganese-56	pCi/g	<.162	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Mercury-203	pCi/g	<.0119	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Neptunium-237	pCi/g	<.0546	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Niobium-95	pCi/g	<.0291	U	999.9999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Potassium-40	pCi/L	<650	U	999.999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Potassium-40	pCi/g	<.282	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Protactinium-231	pCi/g	<.404	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Protactinium-233	pCi/g	<.0233	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Radium-224	pCi/g	<.194	U	999.9999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Radium-226	pCi/L	<41	U	999.999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Radium-226	pCi/g	<.238	U	999.9999	WATER
TA3/5-107-FB	SNL0130561	FB	17-MAY-94	0	Radium-228	pCi/L	<110	U	999.999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Radium-228	pCi/g	<.0477	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Ruthenium-103	pCi/g	<.01	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Ruthenium-106	pCi/g	<.1	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Scandium-46	pCi/g	<.0106	U	999.9999	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Silver-110	pCi/g	<.00785	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Sodium-22	pCi/g	<.00966	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Sodium-24	pCi/g	<.0123	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Strontium-85	pCi/g	<.0131	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Tantalum-182	pCi/g	<.0777	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thallium-201	pCi/g	<.0712	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thallium-208	pCi/g	<.0135	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-227	pCi/g	<.0618	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-228	pCi/g	<.0177	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-229	pCi/g	<.0377	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-231	pCi/g	<.208	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-232	pCi/g	<.0477	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Thorium-234	pCi/g	<.159	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Tin-113	pCi/g	<.0134	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Uranium-234	pCi/g	<3.13	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Uranium-235	pCi/g	<.0144	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Uranium-238	pCi/g	<.165	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.0426	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Yttrium-88	pCi/g	<.00954	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Zinc-65	pCi/g	<.0226	U	999.9999	WATER
TA3/5-107-FB	SNL0130642	FB	17-MAY-94	0	Zirconium-95	pCi/g	<.0157	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Actinium-227	pCi/g	<.463	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Actinium-228	pCi/g	<.039	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Americium-241	pCi/g	<.0577	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Antimony-124	pCi/g	<.0103	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Antimony-125	pCi/g	<.0257	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Antimony-126	pCi/g	<.0092	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Argon-41	pCi/g	<.0758	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Barium-133	pCi/g	<.014	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Barium-140	pCi/g	<.0339	U	999.9999	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Beryllium-7	pCi/g	<.0707	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Bismuth-207	pCi/g	<.0151	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Bismuth-212	pCi/g	<.0818	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Bismuth-214	pCi/g	<.0255	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cadmium-109	pCi/g	<.224	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cerium-139	pCi/g	<.0084	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cerium-144	pCi/g	<.0657	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cesium-134	pCi/g	<.0106	U	999.9999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Cesium-137	pCi/L	<25	U	999.999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cesium-137	pCi/g	<.0119	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Chromium-51	pCi/g	<.0903	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cobalt-56	pCi/g	<.0203	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cobalt-57	pCi/g	<.00807	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cobalt-58	pCi/g	<.00917	U	999.9999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Cobalt-60	pCi/L	<22	U	999.999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Cobalt-60	pCi/L	<22	U	999.999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Cobalt-60	pCi/g	<.0106	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Copper-64	pCi/g	<3.31	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Europium-152	pCi/g	<.0233	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Europium-154	pCi/g	<.0407	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Europium-155	pCi/g	<.036	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Gadolinium-153	pCi/g	<.0243	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Indium-115M	pCi/g	<.0511	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Iodine-125	pCi/g	<0	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Iodine-129	pCi/g	<0	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Iodine-131	pCi/g	<.0108	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Iridium-192	pCi/g	<.0111	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Iron-59	pCi/g	<.0166	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Lanthanum-140	pCi/g	<.0118	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Lead-210	pCi/g	<0	U	999.9999	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Lead-212	pCi/g	<.0213	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Lead-214	pCi/g	<.0279	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Manganese-54	pCi/g	<.00795	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Manganese-56	pCi/g	<.0972	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Mercury-203	pCi/g	<.0116	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Neptunium-237	pCi/g	<.0663	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Niobium-95	pCi/g	<.035	U	999.9999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Potassium-40	pCi/L	<650	U	999.999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Potassium-40	pCi/g	.162		0.216	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Protactinium-231	pCi/g	<.408	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Protactinium-233	pCi/g	<.0222	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Radium-224	pCi/g	<.192	U	999.9999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Radium-226	pCi/L	<41	U	999.999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Radium-226	pCi/g	<.212	U	999.9999	WATER
TA3/5-107-RB	SNL0130560	EB	17-MAY-94	0	Radium-228	pCi/L	<96	U	999.999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Radium-228	pCi/g	<.0432	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Ruthenium-103	pCi/g	<.01	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Ruthenium-106	pCi/g	<.0845	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Scandium-46	pCi/g	<.00962	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Silver-110	pCi/g	<.00886	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Sodium-22	pCi/g	<.00966	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Sodium-24	pCi/g	<.012	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Strontium-85	pCi/g	<.0119	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Tantalum-182	pCi/g	<.0562	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thallium-201	pCi/g	<.074	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thallium-208	pCi/g	<.0114	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-227	pCi/g	<.0702	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-228	pCi/g	<.0212	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-229	pCi/g	<.0337	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-231	pCi/g	<.212	U	999.9999	WATER

ER Site 107 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses (SNL 7715/TMA Eberline)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-232	pCi/g	<.0432	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Thorium-234	pCi/g	<.175	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Tin-113	pCi/g	<.0155	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Uranium-234	pCi/g	<2.91	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Uranium-235	pCi/g	<.0129	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Uranium-238	pCi/g	<.175	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Xenon-133,-133M	pCi/g	<.041	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Yttrium-88	pCi/g	<.0112	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Zinc-65	pCi/g	<.0237	U	999.9999	WATER
TA3/5-107-RB	SNL0130641	EB	17-MAY-94	0	Zirconium-95	pCi/g	<.0125	U	999.9999	WATER

SNL/NM 01[illegible]01 SNL/NM 016103 SNL/NM 016105 SNL/NM 016107

ENVIRONMENTAL PROGRAMS

SNL/NM 016102 SNL/NM 016104 SNL/NM 016106 SNL/NM 016108

SCL- 00416

AR/COC No.: AR/COC- 00155

PAGE 1 OF 3

GENERAL INFORMATION	DATE: 5-17-94	WEATHER: CLEAR, BREEZY, 60's-60's	SAMPLING INFORMATION	ON-SITE CONTACT: CHRIS AAS	ORG. 7582 / PHONE 848-0391
	SAMPLING PROCEDURE REFERENCE: SURFACE SOIL WITH SPADE - TA III/8 RFI SAP			AREA: III	LOCATION: SITE 107 - EXPLOSIVE TEST AREA
	PURPOSE OF SAMPLING: PHASE I RFI				

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER SURFACE

ANALYSES

Sample Number - Fraction (SNL/NM)	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	EXPLOSIVES RED BLUE 8330	TAL METALS 6010/7000	NITRATES/NITRITES 353.2					
16101 - 1	1110	107-SS-01	SURFACE SAMPLE	C	N	X	X	X					
16102 - 1	1310	107-SS-02		C	N	X	X	X					
16103 - 1	1315	107-SS-03	PLUS MATRIX SPIKE/MATRIX SPIKE D.P	C	Y	X	X	X					
16104 - 1	1330	107-SS-04		C	N	X	X	X					
16105 - 1	1335	107-SS-05		C	N	X	X	X					
16106 - 1	1355	107-SS-06		C	N	X	X	X					
16107 - 1	1450	107-SS-07		C	N	X	X	X					
16108 - 1	1455	107-SS-08		C	N	X	X	X					

PROJECT	PROJECT NAME	CASE NUMBER	PROJECT CONTACT	ORG	PHONE
	TA-III/V - SITE 107	3617.300	PAULA SLAVIN	7582	848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #)

LOGBOOK No.:

PROJECT #: 301455.152.02

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
	1. Tim Jackson	Tim Jackson	TJ	IT CORP
	2. ROD NAGEL	Rod Nagel	RN	↓
	3.			

SAMPLE TRACKING			
	SAMPLE DISTRIBUTION: ENSECO RMAL	TRANSPORTED BY: SNL/SMJ A44078	SPECIAL HANDLING:
	DATE SHIPPED (MM-DD-YY): 5/18/94	DATA ENTERED (MM-DD-YY)	BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

SNL/NM 016109 SNL/NM 016111 SNL/NM 016110 SNL/NM 016112

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00345

AR/COC No.: AR/COC 00155

PAGE 2 OF 3

GENERAL INFORMATION

DATE: 5-17-94 | WEATHER: CLEAR, BREEZY, 50'S-60'S

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL WITH SPADE - TA III/V RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: CHRIS ARS | ORG. 7582 | PHONE 848-0391

AREA: III | LOCATION: SITE 107 - EXPLOSIVE TEST AREA

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☒ WATER ☐ OIL ☒ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☒ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER SURFACE / DI WATER

ANALYSES

Sample Number (SNL/NM)	- Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	EXPLOSIVES RESIDUE, 8330	TAL METALS 6010/7000	NITRATES/NITRITES/3952					
16109	- 1	1430	107-SS-09		C	N	X	X	X					
16110	- 1	1435	107-SS-10		C	N	X	X	X					
16111	- 1	1400	107-SS-06D	DUPLICATE OF SNL/NM 16106-1	C	Y	X	X	X					
16112	- 1	1515	107-RB	H2O MATRIX, EQUIPMENT BLANK	G	↓	X							
16112	- 2	↓	107-RB	↓	G	↓		X	X					
16112	- 3	↓	107-RB	↓	G	↓			X					
16113	- 1	1525	107-FB	FIELD BLANK	G	↓	X							
16113	- 2	↓	107-FB	↓	G	↓		X						

PROJECT

PROJECT NAME: TA III/V - SITE 107 | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG. 7582 | PHONE 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	TINA JACKSON	Tina Jackson	TJ	IT CORP
2.	ROD NAGEL	Rod Nagel	RN	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO / RMAL | TRANSPORTED BY: SNL/SMO A 44078 | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 5/18/94 | DATA ENTERED (MM-DD-YY): 5/18/94 | BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

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Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00346

AR/COC No.: AR/COC- 00155

PAGE 3 OF 3

GENERAL INFORMATION

DATE: 5-17-94 | WEATHER: CLEAR, BREEZY, 50'S - 60'S

SAMPLING PROCEDURE REFERENCE: SURFACE SOIL WITH SPADE - TA III/II RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: CHRIS ABS | ORG.: 7587 | PHONE: 848-0351

AREA: III | LOCATION: SITE 107 - EXPOSURE TEST AREA

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☒ WATER ☐ OIL ☐ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTE WATER ☐ GROUND WATER ☒ OTHER DI WATER

ANALYSES

Sample Number - Fraction (SNL/NM)	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	EPA 8015 Residue 8332	TPH Mod 1/3 EPA 17000	Nitrates/Nitrites 353.2					
16113 - 3	1525	107 - FB	H2O MATRIX, FIELD BLANK	G	Y			X					

PROJECT

PROJECT NAME: TA III/II - SITE 107 | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG.: 7582 | PHONE: 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	TIM JACKSON	Tim Jackson	TJ	IT CORP
2.	ROD NAGEL	Rod Nagel	RN	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSELO/RMAL | TRANSPORTED BY: SNL/NM A 44078 | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 5/18/94 | DATA ENTERED (MM-DD-YY): 5/27/94 | BY: RD

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator ☐ TO BE COMPLETED BY SMO

Rocky Mountain
Analytical Laboratory

Enseco

RECEIVED
JUL 13 1994
SNL/SMO

July 12, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for eleven soil samples and six aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on May 19, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen LaRiviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #035548

DATA REVIEWED

By: [illegible] Date: 7-20-94

Checked: _____

Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 035548

JULY 12, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On May 19, 1994, Enseco-Rocky Mountain Analytical Laboratory received eleven soil samples and six aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

Due to laboratory error, the analytical holding time for Rocky Mountain Analytical Laboratory (RMAL) sample 035548-0010-SA and -0011-SA. The samples were originally analyzed within holding time with comparable results for the target compounds, but poor precision measurements in the duplicate control samples and matrix spike/matrix spike duplicate samples. The reanalysis data, with acceptable quality control results, are reported.

The Method 8330 QC lot 24 MAY 94-N1 has the average percent recovery for 4-amino-2,6-dinitrotoluene exceeding the Enseco quality control limits. Because

the samples did not have detectable concentrations of any target analytes, the sample data were deemed acceptable for reporting.

Metals Data Review

Preparation blank contamination for lead was noted for the trace ICP analysis in QC lot 24 MAY 94-9A at 0.0031 mg/L (reporting limit 0.0030 mg/L). Because this exceeds Enseco's current blank policy, at Sandia's request, Enseco will reanalyze the affected samples.

For matrix spike analyses, the project specific quality control results contain the analytical results from both analyses along with the spike level and percent recovery. The percent recovery calculation is not performed if the spike level is less than or equal to 25 percent of the value of the sample. The percent recoveries and relative percent differences for aluminum, iron and manganese for RMAL samples 035548-0003-MS and -0003-SD are reported as not calculated (NC) due to the concentration of these metals in the samples.

Wet Chemistry Data Review

Standard analytical protocols were followed in the wet chemistry analyses of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
035548-0001-SA	SNL/NM16101-1	SOIL	17 MAY 94	11:10	19 MAY 94
035548-0002-SA	SNL/NM16102-1	SOIL	17 MAY 94	13:10	19 MAY 94
035548-0003-SA	SNL/NM16103-1	SOIL	17 MAY 94	13:15	19 MAY 94
035548-0003-MS	SNL/NM16103-1	SOIL	17 MAY 94	13:15	19 MAY 94
035548-0003-SD	SNL/NM16103-1	SOIL	17 MAY 94	13:15	19 MAY 94
035548-0004-SA	SNL/NM16104-1	SOIL	17 MAY 94	13:30	19 MAY 94
035548-0005-SA	SNL/NM16105-1	SOIL	17 MAY 94	13:35	19 MAY 94
035548-0006-SA	SNL/NM16106-1	SOIL	17 MAY 94	13:55	19 MAY 94
035548-0007-SA	SNL/NM16107-1	SOIL	17 MAY 94	14:50	19 MAY 94
035548-0008-SA	SNL/NM16108-1	SOIL	17 MAY 94	14:55	19 MAY 94
035548-0009-SA	SNL/NM16109-1	SOIL	17 MAY 94	14:30	19 MAY 94
035548-0010-SA	SNL/NM16110-1	SOIL	17 MAY 94	14:35	19 MAY 94
035548-0011-SA	SNL/NM16111-1	SOIL	17 MAY 94	14:00	19 MAY 94
035548-0012-SA	SNL/NM16112-1	AQUEOUS	17 MAY 94	15:15	19 MAY 94
035548-0013-SA	SNL/NM16112-2	AQUEOUS	17 MAY 94	15:15	19 MAY 94
035548-0014-SA	SNL/NM16112-3	AQUEOUS	17 MAY 94	15:15	19 MAY 94
035548-0015-SA	SNL/NM16113-1	AQUEOUS	17 MAY 94	15:25	19 MAY 94
035548-0016-SA	SNL/NM16113-2	AQUEOUS	17 MAY 94	15:25	19 MAY 94
035548-0017-SA	SNL/NM16113-3	AQUEOUS	17 MAY 94	15:25	19 MAY 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 035548	Group Code	Analysis Description	Custom Test?
0001 - 0011	A	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
		Nitrate Plus Nitrite	N
		Deionized Water Leach	N
0012 , 0015	B	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0013 , 0016	C	TAL Metals (Total) done by ICP	N
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N
0014 , 0017	D	Nitrate Plus Nitrite	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
rganics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035548-0001-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0002-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0003-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0003-MS	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0003-SD	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0004-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0005-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0006-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0007-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0008-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0009-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0010-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0011-SA	SOIL	8330-LL-S	27 MAY 94-N1	27 MAY 94-N1
035548-0012-SA	AQUEOUS	8330-LL-A	24 MAY 94-N1	24 MAY 94-N1
035548-0015-SA	AQUEOUS	8330-LL-A	24 MAY 94-N1	24 MAY 94-N1

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 27 MAY 94-N1								
Concentration Units: ug/g								
HMX	5.00	5.49	5.45	5.47	109	82-153	0.7	10
RDX	5.00	5.37	5.27	5.32	106	62-176	1.9	17
1,3,5-Trinitrobenzene	5.00	5.35	5.18	5.26	105	60-149	3.2	19
1,3-Dinitrobenzene	5.00	5.38	5.28	5.33	107	73-145	1.9	10
Tetryl	5.00	2.36	2.18	2.27	45	1-115	7.9	50
Nitrobenzene	5.00	4.87	4.81	4.84	97	73-135	1.2	10
2,4,6-Trinitrotoluene	5.00	4.74	4.68	4.71	94	1-160	1.3	15
4-Amino-2,6-dinitrotoluene	5.00	5.37	5.30	5.34	107	84-181	1.3	22
2-Amino-4,6-dinitrotoluene	5.00	5.46	5.39	5.42	109	82-140	1.3	14
2,6-Dinitrotoluene	5.00	5.30	5.21	5.26	105	85-120	1.7	10
2,4-Dinitrotoluene	5.00	5.34	5.27	5.30	106	78-133	1.3	10
2-Nitrotoluene	5.00	5.73	5.56	5.64	113	81-126	3.0	10
4-Nitrotoluene	5.00	5.72	5.60	5.66	113	79-125	2.1	10
3-Nitrotoluene	5.00	4.09	3.97	4.03	81	78-131	3.0	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 24 MAY 94-N1								
Concentration Units: ug/L								
HMX	2.50	2.31	2.29	2.30	92	58-131	0.9	27
RDX	2.50	2.40	2.45	2.42	97	67-149	2.1	26
1,3,5-Trinitrobenzene	2.50	3.12	2.82	2.97	119	44-140	10	23
1,3-Dinitrobenzene	2.50	1.99	1.82	1.90	76	41-110	8.9	30
Tetryl	12.5	6.15	5.98	6.06	49	1-104	2.8	38
Nitrobenzene	2.50	1.77	1.59	1.68	67	24- 80	11	50
2,4,6-Trinitrotoluene	12.5	5.39	5.08	5.24	42	1-113	5.9	22
4-Amino-2,6-dinitrotoluene	2.50	5.35	5.32	5.34	213	65-160	0.6	38
2-Amino-4,6-dinitrotoluene	2.50	2.35	2.38	2.36	95	50-121	1.3	35
2,6-Dinitrotoluene	2.50	2.08	1.94	2.01	80	39- 94	7.0	35
2,4-Dinitrotoluene	2.50	2.01	1.90	1.96	78	46-102	5.6	27
2-Nitrotoluene	2.50	1.70	1.49	1.60	64	23- 84	13	50
4-Nitrotoluene	2.50	1.72	1.54	1.63	65	26- 86	11	50
3-Nitrotoluene	2.50	1.86	1.70	1.78	71	23- 86	9.0	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 27 MAY 94-N1 QC Run: 27 MAY 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25
Test: 8330-COE-LL-A			
Matrix: AQUEOUS			
QC Lot: 24 MAY 94-N1 QC Run: 24 MAY 94-N1			
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Organics by Chromatography

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	035548-0003-SD	27 MAY 94-N1
MATRIX SPIKE	8330-COE-LL-S	035548-0003-MS	27 MAY 94-N1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Organics by Chromatography

Analyte	Sample	Concentration Matrix Spike	Concentration Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: 8330-COE-LL-S								
Matrix SOIL								
Sample: 035548-0003								
Units: ug/g								
HMX	ND	4.7	5.4	5.0	5.0	94	109	15
RDX	ND	4.1	4.8	5.0	5.0	81	95	16
1,3,5-Trinitrobenzene	ND	4.6	5.4	5.0	5.0	93	108	15
1,3-Dinitrobenzene	ND	4.7	5.4	5.0	5.0	94	108	14
Tetryl	ND	2.0	2.4	5.0	5.0	40	47	17
Nitrobenzene	ND	4.3	5.0	5.0	5.0	87	99	13
2,4,6-Trinitrotoluene	ND	3.9	4.4	5.0	5.0	78	88	12
4-Amino-2,6-dinitrotoluene	ND	4.4	5.1	5.0	5.0	89	102	13
2-Amino-4,6-dinitrotoluene	ND	4.6	5.3	5.0	5.0	92	106	14
2,6-Dinitrotoluene	ND	4.6	5.2	5.0	5.0	92	104	12
2,4-Dinitrotoluene	ND	4.6	5.2	5.0	5.0	92	105	13
2-Nitrotoluene	ND	4.9	5.7	5.0	5.0	98	115	16
4-Nitrotoluene	ND	4.9	5.9	5.0	5.0	99	118	18
3-Nitrotoluene	ND	3.5	4.1	5.0	5.0	70	82	17

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035548-0001-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0001-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0001-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0002-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0002-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0002-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0003-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0003-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0003-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0003-MS	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0003-MS	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0003-MS	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0003-SD	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0003-SD	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0003-SD	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0004-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0004-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0004-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0005-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0005-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0005-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0006-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0006-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0006-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0007-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0007-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0007-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0008-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0008-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0008-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0009-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0009-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0009-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0010-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0010-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0010-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0011-SA	SOIL	ICP-S	25 MAY 94-9B	25 MAY 94-9B
035548-0011-SA	SOIL	ICP-TRA-S	23 JUN 94-9R	23 JUN 94-9R
035548-0011-SA	SOIL	HG-CVAA-S	02 JUN 94-9A	02 JUN 94-9A
035548-0013-SA	AQUEOUS	ICP-AT	24 MAY 94-9A	24 MAY 94-9A
035548-0013-SA	AQUEOUS	ICP-TRA-AT	24 MAY 94-9A	24 MAY 94-9A
035548-0013-SA	AQUEOUS	HG-CVAA-AT	23 MAY 94-9B	23 MAY 94-9B
035548-0016-SA	AQUEOUS	ICP-AT	24 MAY 94-9A	24 MAY 94-9A
035548-0016-SA	AQUEOUS	ICP-TRA-AT	24 MAY 94-9A	24 MAY 94-9A
035548-0016-SA	AQUEOUS	HG-CVAA-AT	23 MAY 94-9B	23 MAY 94-9B

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 25 MAY 94-9B								
Concentration Units: mg/kg								
Aluminum	200	185	172	179	89	80-120	7.3	20
Antimony	50	42.6	44.6	43.6	87	80-120	4.6	20
Arsenic	50	46.8	44.4	45.6	91	80-120	5.4	20
Barium	200	183	172	178	89	80-120	6.1	20
Beryllium	5.0	4.92	4.70	4.81	96	80-120	4.5	20
Cadmium	5.0	5.03	4.31	4.67	93	80-120	15	20
Calcium	10000	9570	9050	9310	93	80-120	5.6	20
Chromium	20	18.6	17.7	18.1	91	80-120	5.0	20
Cobalt	50	47.5	45.5	46.5	93	80-120	4.2	20
Copper	25	24.8	24.9	24.9	99	80-120	0.3	20
Iron	100	87.8	81.1	84.5	84	80-120	8.0	20
Lead	50	45.4	44.1	44.8	90	80-120	2.7	20
Magnesium	5000	5050	4950	5000	100	80-120	1.9	20
Manganese	50	49.3	46.7	48.0	96	80-120	5.3	20
Nickel	50	47.3	45.7	46.5	93	80-120	3.4	20
Potassium	5000	4830	4870	4850	97	80-120	0.8	20
Silver	5	4.93	4.87	4.90	98	80-120	1.3	20
Sodium	10000	10100	10100	10100	101	80-120	0.2	20
Vanadium	50	44.3	42.6	43.5	87	80-120	4.0	20
Zinc	50	45.3	43.3	44.3	89	80-120	4.5	20
Category: ICP-TRA-S								
Matrix: SOIL								
QC Lot: 23 JUN 94-9R								
Concentration Units: mg/kg								
Antimony	50.0	53.1	53.8	53.4	107	80-120	1.2	20
Arsenic	50.0	51.0	51.8	51.4	103	80-120	1.5	20
Cadmium	5.00	5.67	5.81	5.74	115	80-120	2.5	20
Lead	50.0	55.5	56.4	56.0	112	80-120	1.6	20
Selenium	50.0	49.3	49.3	49.3	99	80-120	0.1	20
Thallium	50.0	57.3	57.8	57.5	115	80-120	0.9	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: HG-CVAA-S Matrix: SOIL QC Lot: 02 JUN 94-9A Concentration Units: mg/kg								
Mercury	0.500	0.484	0.486	0.485	97	75-125	0.4	20
Category: ICP-AT Matrix: AQUEOUS QC Lot: 24 MAY 94-9A Concentration Units: mg/L								
Aluminum	2.00	2.05	2.03	2.04	102	80-116	1.0	10
Antimony	0.500	0.534	0.553	0.544	109	80-115	3.5	14
Arsenic	0.500	0.500	0.509	0.505	101	80-115	1.9	17
Barium	2.00	2.10	2.10	2.10	105	80-114	0.1	10
Beryllium	0.0500	0.0538	0.0543	0.0540	108	80-120	1.0	10
Cadmium	0.0500	0.0550	0.0567	0.0558	112	80-119	3.1	16
Calcium	100	105	105	105	105	80-114	0.0	10
Chromium	0.200	0.212	0.213	0.213	106	80-116	0.8	11
Cobalt	0.500	0.526	0.516	0.521	104	80-114	1.9	10
Copper	0.250	0.266	0.262	0.264	105	80-120	1.5	10
Iron	1.00	0.978	0.954	0.966	97	80-120	2.5	11
Lead	0.500	0.507	0.504	0.506	101	80-119	0.6	10
Magnesium	50.0	53.6	53.5	53.6	107	81-120	0.2	10
Manganese	0.500	0.529	0.522	0.526	105	80-116	1.4	10
Nickel	0.500	0.509	0.509	0.509	102	80-114	0.0	10
Potassium	50.0	50.7	50.3	50.5	101	80-120	0.9	13
Selenium	0.500	0.531	0.503	0.517	103	80-120	5.5	20
Silver	0.050	0.0542	0.0558	0.0550	110	80-119	2.8	15
Sodium	100	108	108	108	108	80-120	0.1	10
Vanadium	0.500	0.490	0.491	0.491	98	80-116	0.2	10
Zinc	0.500	0.523	0.525	0.524	105	80-120	0.5	13
Category: ICP-TRA-AT Matrix: AQUEOUS QC Lot: 24 MAY 94-9A Concentration Units: mg/L								
Antimony	0.500	0.516	0.513	0.514	103	80-120	0.7	20
Arsenic	0.500	0.498	0.492	0.495	99	80-120	1.1	20
Cadmium	0.0500	0.0544	0.0538	0.0541	108	80-120	1.1	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-TRA-AT Matrix: AQUEOUS QC Lot: 24 MAY 94-9A Concentration Units: mg/L								
Lead	0.500	0.535	0.524	0.530	106	80-120	2.0	20
Selenium	0.500	0.502	0.488	0.495	99	80-120	2.8	20
Thallium	0.500	0.564	0.560	0.562	112	80-120	0.8	20
Category: HG-CVAA-AT Matrix: AQUEOUS QC Lot: 23 MAY 94-9B Concentration Units: mg/L								
Mercury	0.00100	0.000973	0.00105	0.00101	101	75-125	7.6	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 25 MAY 94-9B QC Run: 25 MAY 94-9B			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 23 JUN 94-9R QC Run: 23 JUN 94-9R			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 02 JUN 94-9A QC Run: 02 JUN 94-9A			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-TAL-AT			
Matrix: AQUEOUS			
QC Lot: 24 MAY 94-9A QC Run: 24 MAY 94-9A			
Aluminum	ND	mg/L	0.10
Antimony	ND	mg/L	0.060
Barium	ND	mg/L	0.010
Beryllium	ND	mg/L	0.0020
Cadmium	ND	mg/L	0.0050
Calcium	ND	mg/L	0.20
Chromium	ND	mg/L	0.010
Cobalt	ND	mg/L	0.010
Copper	ND	mg/L	0.020
Iron	ND	mg/L	0.10
Magnesium	ND	mg/L	0.20
Manganese	ND	mg/L	0.010
Nickel	ND	mg/L	0.040
Potassium	ND	mg/L	5.0
Silver	ND	mg/L	0.010
Sodium	ND	mg/L	5.0
Vanadium	ND	mg/L	0.010
Zinc	ND	mg/L	0.020
Test: ICP-TRACE-AT			
Matrix: AQUEOUS			
QC Lot: 24 MAY 94-9A QC Run: 24 MAY 94-9A			
Arsenic	ND	mg/L	0.010
Lead	0.0031	mg/L	0.0030
Selenium	ND	mg/L	0.0050
Thallium	ND	mg/L	0.010
Test: HG-CVAA-GLASS-AT			
Matrix: AQUEOUS			
QC Lot: 23 MAY 94-9B QC Run: 23 MAY 94-9B			
Mercury	ND	mg/L	0.00020

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICP-S	035548-0003-SD	25 MAY 94-9B
MATRIX SPIKE	ICP-S	035548-0003-MS	25 MAY 94-9B
MATRIX SPIKE DUPLICATE	ICP-TRACE-S	035548-0003-SD	23 JUN 94-9R
MATRIX SPIKE	ICP-TRACE-S	035548-0003-MS	23 JUN 94-9R
MATRIX SPIKE DUPLICATE	HG-CVAA-S	035548-0003-SD	02 JUN 94-9A
MATRIX SPIKE	HG-CVAA-S	035548-0003-MS	02 JUN 94-9A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: ICP-S								
Matrix SOIL								
Sample: 035548-0003								
Units: mg/kg								
Aluminum	6290	8260	8540	200	200	NC	NC	NC
Antimony	ND	22.7	25.4	50.0	50.0	45	51	11
Barium	79.2	256	256	200	200	88	88	0
Beryllium	0.64	5.2	5.0	5.0	5.0	91	87	4
Cadmium	1.3	5.3	5.1	5.0	5.0	80	76	5
Calcium	4850	14100	13900	10000	10000	93	91	2
Chromium	7.9	25.9	25.4	20.0	20.0	90	87	3
Cobalt	3.5	49.5	48.3	50.0	50.0	92	90	3
Copper	8.1	31.3	31.0	25.0	25.0	93	92	2
Iron	9180	8910	8990	100	100	NC	NC	NC
Magnesium	2590	7670	7640	5000	5000	102	101	1
Manganese	228	256	259	50.0	50.0	NC	NC	NC
Nickel	7.3	52.8	52.3	50.0	50.0	91	90	1
Potassium	2450	7160	7060	5000	5000	94	92	2
Silver	0.60 J	4.7	4.5	5.0	5.0	83	79	4
Sodium	ND	9870	9650	10000	10000	99	96	2
Vanadium	15.7	55.6	54.7	50.0	50.0	80	78	2
Zinc	29.5	72.6	72.7	50.0	50.0	86	86	0
Test: ICP-TRACE-S								
Matrix SOIL								
Sample: 035548-0003								
Units: mg/kg								
Arsenic	2.9	48.8	47.5	50.0	50.0	92	89	3
Lead	10.0	59.6	57.6	50.0	50.0	99	95	4
Selenium	ND	44.9	42.6	50.0	50.0	90	85	5
Thallium	ND	50.5	49.4	50.0	50.0	101	99	2
Test: HG-CVAA-S								
Matrix SOIL								
Sample: 035548-0003								
Units: mg/kg								
Mercury	ND	0.56	0.56	0.50	0.50	111	112	1

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035548-0001-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0002-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0003-SA	SOLID	NO3-S	21 MAY 94-9L	20 MAY 94-9L
035548-0003-MS	SOLID	NO3-S	21 MAY 94-9L	20 MAY 94-9L
035548-0003-SD	SOLID	NO3-S	21 MAY 94-9L	20 MAY 94-9L
035548-0004-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0005-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0006-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0007-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0008-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0009-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0010-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0011-SA	SOLID	NO3-S	20 MAY 94-9L	20 MAY 94-9L
035548-0014-SA	AQUEOUS	NO3-A	21 MAY 94-9L	-
035548-0017-SA	AQUEOUS	NO3-A	21 MAY 94-9L	-

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: NO3-S Matrix: SOLID QC Lot: 20 MAY 94-9L Concentration Units: mg/kg								
Nitrate as N	7.50	7.20	7.00	7.10	95	90-110	2.8	10
Category: NO3-S Matrix: SOLID QC Lot: 21 MAY 94-9L Concentration Units: mg/kg								
Nitrate as N	7.50	7.22	7.13	7.18	96	90-110	1.3	10
Category: NO3-A Matrix: AQUEOUS QC Lot: 21 MAY 94-9L Concentration Units: mg/L								
trate as N	1.50	1.40	1.39	1.40	93	90-112	0.7	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: NO3+NO2-TEC-S Matrix: SOIL QC Lot: 20 MAY 94-9L QC Run: 20 MAY 94-9L			
Nitrate plus Nitrite as N	ND	mg/kg	0.50
Test: NO3+NO2-TEC-S Matrix: SOIL QC Lot: 21 MAY 94-9L QC Run: 20 MAY 94-9L			
Nitrate plus Nitrite as N	ND	mg/kg	0.50

Enseco

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	NO3+NO2-TEC-S	035548-0003-SD	21 MAY 94-9L
MATRIX SPIKE	NO3+NO2-TEC-S	035548-0003-MS	21 MAY 94-9L

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: NO3+NO2-TEC-S Matrix SOIL Sample: 035548-0003 Units: mg/kg								
Nitrate plus Nitrite as N	1.1	6.7	6.3	5.0	5.0	113	104	8

All calculations are performed before rounding to avoid round-off errors in calculated results.

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 7/20/94
CASE NO 3617.300
PROJECT NAME TA111/II Site 107
LABORATORY Enseco
CHECKED BY MB Garcia
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG											COCs AND RFAs				LAB REPORT														DATA QUALITY						
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SW/SM 16101-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
102-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
25/mo 103-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(5) Y	Y	NA	Y	Y	A
104-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
105-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
106-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
107-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
108-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
109-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
110-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(1) N	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	C
QUALITY CONTROL SAMPLES																																				
DUP 16106 SW/NM 16111-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(1) N	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	C
EQUIP BLANK SW/NM 16112-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	(2) Y	NA	Y	NA	Y	Y	A
-2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	(3) N	NA	Y	Y	(4) U
-3	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A

ADDITIONAL COMMENTS: (1) Samples were originally run within holding time but due to poor precision measurements of the duplicate control samples + MS/MSD duplicates; samples were re-run outside of holding times. (2) Accuracy for 4-Amino-2,6-dinitrotoluene was outside lab control limits of 65-160% and 213. (3) Method Blank was exceeded Enseco policy for lead at 0.0031 mg/l with a reporting limit of 0.0030 mg/l (4) At Sandia's request sample will be reanalyzed

VALIDATION RANKING U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 7/20/94
CASE NO 3617.300
PROJECT NAME TA III/V SITE 107
LABORATORY Enseco
CHECKED BY MD Garcia
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG															COCs AND RFAs					LAB REPORT											DATA QUALITY						
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
QUALITY CONTROL SAMPLES																																					
Field Blank SW/NM 16113-1	Y	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	(2) Y	Y	NA	Y	Y	Y	Y	A
↓ -2	Y	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	(3) A	Y	Y	Y	(4) A
↓ -3	Y	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A

ADDITIONAL COMMENTS: (5) CONT'D of the value of sample for Ca, Fe + Mg. They were reported as "NC" not calculated

VALIDATION RANKING U UNUSABLE DATA A ACCEPTABLE C CONDITIONALLY ACCEPTABLE

Attachment 107-2

Figure 2-2: Sandia National Laboratories/New Mexico Correction Action Management Unit (CAMU) Areal Configuration

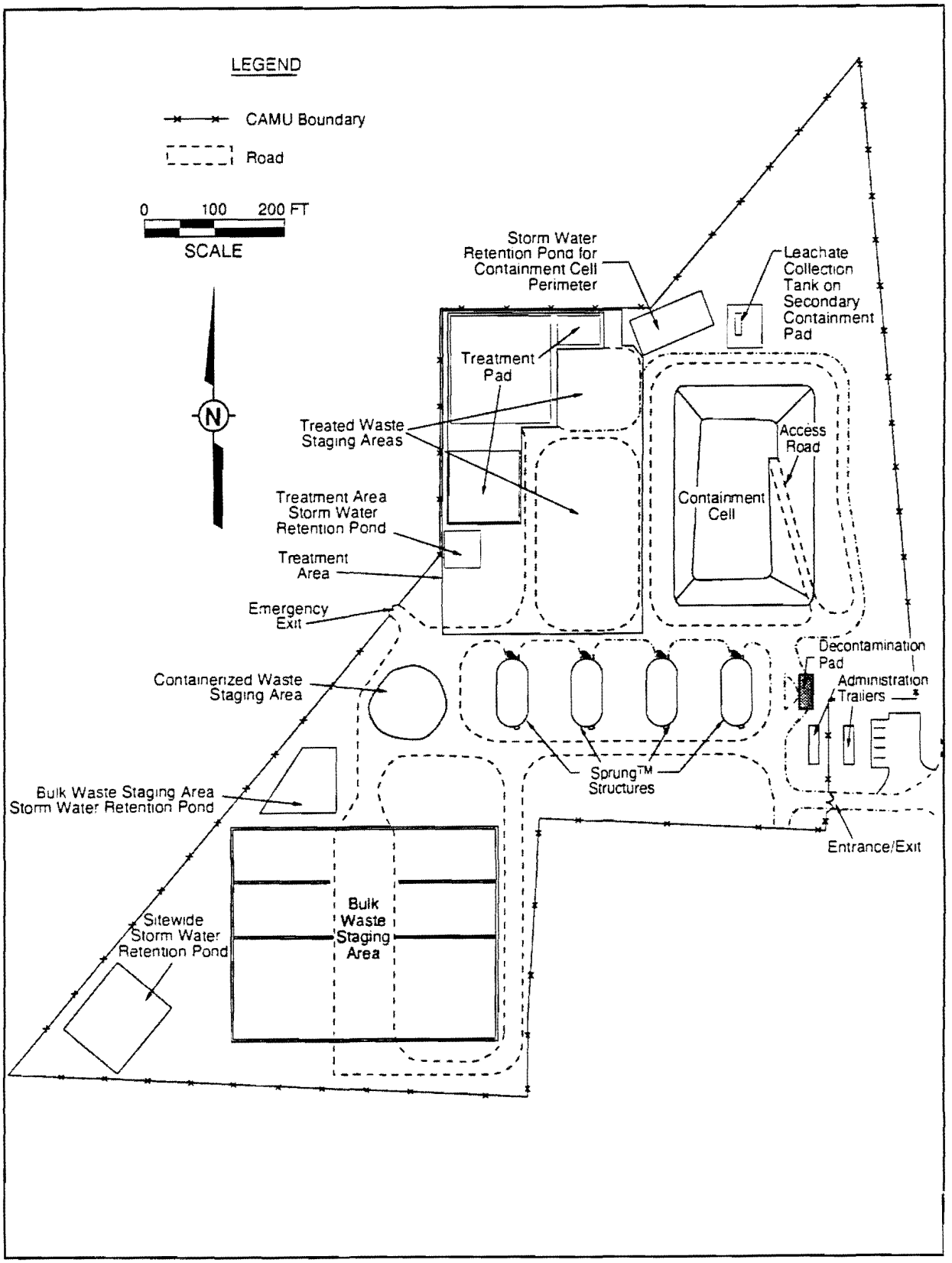

Figure 2-2
Sandia National Laboratories/New Mexico
Corrective Action Management Unit (CAMU) Areal Configuration

3.0 CAMU Design, Operating, and Closure Standards—40 CFR §§264.552(e)(2) and (4)

Only the CAMU land-based areas (e.g., waste staging areas, treatment area, and containment cell) are discussed in this section. The CAMU mobile treatment units (CMTU) to be located at the treatment area are not land-based units. As non-land-based units, they have separate regulatory identity and will therefore be addressed in future permit applications or modification requests to the New Mexico Environment Department (NMED) under the base RCRA permit. Support structures and functions at the proposed CAMU include the storm water retention ponds, the less-than-90-day leachate collection tank for the containment cell, the administration trailers, the decontamination pad with associated less-than-90-day collection tank, emergency eyewash stations, and electrical and water hookups. These are not RCRA units subject to permitting requirements and, therefore, are not described in detail in this section.

3.1 Requirements for Remediation Waste Management—40 CFR §§264.552(c)(2), (4), and (6); and 264.552(e)(2)

The proposed CAMU will be used for the staging, treatment, and containment of hazardous remediation waste. Placement of remediation waste into or within a CAMU does not constitute land disposal of hazardous waste (40 CFR §264.552[a][1]), nor does consolidation or placement of remediation waste into or within a CAMU constitute creation of a unit subject to minimum technology requirements (40 CFR §264.552[a][2]). However, the proposed CAMU is designed to be protective of human health and the environment.

The EPA has stated that the treatment standards prescribed in the "Superfund LDR Guide #6A (2nd Edition), Obtaining a Soil and Debris Treatability Variance for Remedial Actions." (EPA, 1990) are appropriate for remediation purposes (Volume 58, Federal Register Page 8659) (EPA, 1993). Establishing alternate treatment standards based on the EPA's Superfund LDR Guide #6A for placement of hazardous remediation wastes at the CAMU is appropriate for several reasons. First, 40 CFR Part 264, Subpart S (i.e., the CAMU regulations) states that "*placement of remediation wastes into or within a CAMU does <u>not</u> constitute land disposal of hazardous wastes*"; however, Subpart S also states that "*the CAMU shall enable the use, when appropriate, of treatment technologies...to enhance the long-term effectiveness of remedial actions by reducing the toxicity, mobility, or volume of wastes that will remain in place after closure of the CAMU.*" Thus, based on the first requirement, the application of land disposal restrictions (LDR) treatment standards to wastes emplaced within

programs. It also performs work for the U.S. Department of Defense and the U.S. Nuclear Regulatory Commission. SNL/NM falls under Standard Industrial Classification Numbers 9711 (National Defense Organizations) and 7391 (Research and Development).

The proposed CAMU will be located at ER Site 107, a 23-acre triangle-shaped area in the southeast corner of TA III at SNL/NM (Figure 2-1). In 1989, the Radioactive and Mixed Waste Management Facility (RMWMF) was constructed on a portion of ER Site 107; most of the remaining area within ER Site 107 is undeveloped. An area within the proposed CAMU boundary of approximately 0.75 acres, immediately to the north of the RMWMF, is the site of an approved Temporary Unit. The CAMU will encompass the Temporary Unit structures. Figure 2-2 shows the areal configuration of the CAMU.

2.1.1 Topographic Map—40 CFR §270.14(b)(19)

Figure 2-3 is a facility location map showing topography, locations of SNL/NM TAs, and the proposed CAMU in the southeastern corner of TA III. Figure 2-3 also includes the following, as required by 40 CFR §270.14(b)(19):

- Map scale and date (40 CFR §270.14[b][19][i])
- 100-year floodplain area (40 CFR §270.14[b][19][ii])
- Surface waters including intermittent streams (40 CFR §270.14[b][19][iii])
- A wind rose (40 CFR §270.14[b][19][v])
- Map orientation (i.e., north arrow) (40 CFR §270.14[b][19][vi])
- Wells both on and off site (40 CFR §270.14[b][19][ix])
- Location of the operational unit (i.e., proposed CAMU) (40 CFR §270.14[b][19][xii]).

Additional requirements of 40 CFR §270.14(b)(19) are provided in the following figures:

- Figure 2-4: Legal boundaries of the hazardous waste management facility site (i.e., the proposed CAMU) (40 CFR §270.14[b][19][vii])
- Figure 2-4: Access control (e.g., fences, gates) (40 CFR §270.14[b][19][viii])

programs. It also performs work for the U.S. Department of Defense and the U.S. Nuclear Regulatory Commission. SNL/NM falls under Standard Industrial Classification Numbers 9711 (National Defense Organizations) and 7391 (Research and Development).

The proposed CAMU will be located at ER Site 107, a 23-acre triangle-shaped area in the southeast corner of TA III at SNL/NM (Figure 2-1). In 1989, the Radioactive and Mixed Waste Management Facility (RMWMF) was constructed on a portion of ER Site 107; most of the remaining area within ER Site 107 is undeveloped. An area within the proposed CAMU boundary of approximately 0.75 acres, immediately to the north of the RMWMF, is the site of an approved Temporary Unit. The CAMU will encompass the Temporary Unit structures. Figure 2-2 shows the areal configuration of the CAMU.

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- Wells both on and off site (40 CFR §270.14[b][19][ix])
- Location of the operational unit (i.e., proposed CAMU) (40 CFR §270.14[b][19][xii]).

Additional requirements of 40 CFR §270.14(b)(19) are provided in the following figures:

- Figure 2-4: Legal boundaries of the hazardous waste management facility site (i.e., the proposed CAMU) (40 CFR §270.14[b][19][vii])
- Figure 2-4: Access control (e.g., fences, gates) (40 CFR §270.14[b][19][viii])

Attachment 111-1

Laboratory Analytical Results for ER Site 111

Laboratory QA/QC – copied from laboratory reports

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Acetone	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Benzene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Bromoform	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Chloroform	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	chloromethane-methylene chlorid	ug/kg	3.4	BJ	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Styrene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Toluene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-111-B1-12	SNL0130266	F	17-JUN-94	12	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Acetone	ug/kg	3.7	J	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Benzene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Bromoform	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Chloroform	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	chloromethane-methylene chlorid	ug/kg	3	BJ	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Styrene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Toluene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-111-B2-8	SNL0130274	F	17-JUN-94	8	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Acetone	ug/kg	5.5	J	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Benzene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Bromoform	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Chloroform	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	chloromethane-methylene chlorid	ug/kg	3.5	BJ	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Ethyl benzene	ug/kg	<5	U	SOIL

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Styrene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Toluene	ug/kg	1.5	J	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-111-B2-8D	SNL0130270	D	17-JUN-94	8	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Acetone	ug/kg	5.7	J	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Benzene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Bromodichloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Bromoform	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Bromomethane	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Butanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Carbon disulfide	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Carbon tetrachloride	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Chlorobenzene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Chloroethane	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Chloroform	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Chloromethane	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dibromochloromethane	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloroethane, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloroethane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloroethene, 1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloroethene, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	chloromethane-methylene chlorid	ug/kg	3.6	BJ	SOIL

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloropropane, 1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloropropene, cis-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Dichloropropene, trans-1,3-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Ethyl benzene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Hexanone, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Pentanone, 4-methyl-, 2-	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Styrene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Tetrachloroethane, 1,1,2,2-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Tetrachloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Toluene	ug/kg	1.8	J	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Trichloroethane, 1,1,1-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Trichloroethane, 1,1,2-	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Trichloroethene	ug/kg	<5	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Vinyl acetate	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Vinyl chloride	ug/kg	<10	U	SOIL
TA3/5-111-B3-15	SNL0130278	F	17-JUN-94	15	Xylenes, total	ug/kg	<5	U	SOIL
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Acetone	ug/L	4.6	BJ	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	chloromethane-methylene chlorid	ug/L	1.5	J	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	[illegible]	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-111-B-RBA	SNL0130282	EB	17-JUN-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Acetone	ug/L	3.5	BJ	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Chloroethane	ug/L	<10	U	WATER

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	chloromethane-methylene chlorid	ug/L	1.4	J	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Trichloroethene	ug/L	<5	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-111-B-FBA	SNL0130286	FB	17-JUN-94	0	Xylenes, total	ug/L	<5	U	WATER
TA3/5-111-B3-15	SNLA016889-1	SD	17-JUN-94	15	Benzene	ug/kg	50		SOIL
TA3/5-111-B3-15	SNLA016889-1	SD	17-JUN-94	15	Chlorobenzene	ug/kg	51		SOIL
TA3/5-111-B3-15	SNLA016889-1	SD	17-JUN-94	15	Dichloroethene, 1,1-	ug/kg	45		SOIL
TA3/5-111-B3-15	SNLA016889-1	SD	17-JUN-94	15	Methylbenzene	ug/kg	48		SOIL
TA3/5-111-B3-15	SNLA016889-1	SD	17-JUN-94	15	Trichloroethene	ug/kg	50		SOIL
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Acetone	ug/L	2.8	BJ	WATER

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Benzene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Bromodichloromethane	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Bromoform	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Bromomethane	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Butanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Carbon disulfide	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Carbon tetrachloride	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Chlorobenzene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Chloroethane	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Chloroform	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Chloromethane	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dibromochloromethane	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloroethane, 1,1-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloroethane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloroethene, 1,1-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloroethene, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	chloromethane-methylene chlorid	ug/L	2.1	J	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloropropane, 1,2-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloropropene, cis-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Dichloropropene, trans-1,3-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Ethyl benzene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Hexanone, 2-	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Pentanone, 4-methyl-, 2-	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Styrene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Tetrachloroethane, 1,1,2,2-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Tetrachloroethene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Toluene	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Trichloroethane, 1,1,1-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Trichloroethane, 1,1,2-	ug/L	<5	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Trichloroethene	ug/L	<5	U	WATER

ER Site 111 RFI Analytical Results; Volatile Organics (EPA Method 8240)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Vinyl acetate	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Vinyl chloride	ug/L	<10	U	WATER
TA3/5-111-B-TBA	SNL0130290	TB	17-JUN-94	0	Xylenes, total	ug/L	<5	U	WATER

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	2,4-Dinitrotoluene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Acenaphthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Acenaphthylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzo(a)anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzo(a)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzo(b)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzo(ghi)perylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzo(k)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzoic acid	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Benzyl alcohol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Bromophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Butylbenzyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Carbazole	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloro-3-methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloroaniline, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloroethoxy)methane, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloroethyl)ether, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloronaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chlorophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chlorophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chloropropane), 2,2'-oxybis(1-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Chrysene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dibenz[a,h]anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dibenzofuran	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dichlorobenzene, 1,2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dichlorobenzene, 1,3-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dichlorobenzene, 1,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dichlorobenzidine, 3,3'-	8270	ug/kg	<660	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dichlorphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Diethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dimethylphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dimethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Di-n-butyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dinitro-o-cresol, 4,6-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dinitrophenol, 2,4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Dinitrotoluene, 2,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Di-n-octyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Ethylhexyl)phthalate, bis(2-	8270	ug/kg	70	J	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Fluorene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Hexachlorobenzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Hexachlorobutadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Hexachlorocyclopentadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Hexachloroethane	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Indeno(1,2,3-c,d)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Isophorone	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Methylnaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Methylphenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Naphthalene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitroaniline, 2-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitroaniline, 3-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitroaniline, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitro-benzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitrophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitrophenol, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitrosodiphenylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Nitrosodipropylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Pentachlorophenol	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Phenanthrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Phenol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Trichlorobenzene, 1,2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Trichlorophenol, 2,4,5-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B1-12	SNL0130268	F	17-JUN-94	12	Trichlorophenol, 2,4,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	2,4-Dinitrotoluene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Acenaphthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Acenaphthylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzo(a)anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzo(a)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzo(b)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzo(ghi)perylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzo(k)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzoic acid	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Benzyl alcohol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Bromophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Butylbenzyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Carbazole	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloro-3-methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloroaniline, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloroethoxy)methane, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloroethyl)ether, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloronaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chlorophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chlorophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chloropropane), 2,2'-oxybis(1-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Chrysene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dibenz[a,h]anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dibenzofuran	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dichlorobenzene, 1,2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dichlorobenzene, 1,3-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dichlorobenzene, 1,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dichlorobenzidine, 3,3'-	8270	ug/kg	<660	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dichlorphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Diethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dimethylphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dimethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Di-n-butyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dinitro-o-cresol, 4,6-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dinitrophenol, 2,4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Dinitrotoluene, 2,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Di-n-octyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Ethylhexyl)phthalate, bis(2-	8270	ug/kg	87	J	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Fluorene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Hexachlorobenzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Hexachlorobutadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Hexachlorocyclopentadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Hexachloroethane	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Indeno(1,2,3-c,d)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Isophorone	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Methylnaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Methylphenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Naphthalene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitroaniline, 2-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitroaniline, 3-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitroaniline, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitro-benzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitrophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitrophenol, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitrosodiphenylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Nitrosodipropylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Pentachlorophenol	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Phenanthrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Phenol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Trichlorobenzene, 1,2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Trichlorophenol, 2,4,5-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130276	F	17-JUN-94	8	Trichlorophenol, 2,4,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	2,4-Dinitrotoluene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Acenaphthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Acenaphthylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzo(a)anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzo(a)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzo(b)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzo(ghi)perylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzo(k)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzoic acid	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Benzyl alcohol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Bromophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Butylbenzyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Carbazole	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloro-3-methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloroaniline, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloroethoxy)methane, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloroethyl)ether, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloronaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chlorophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chlorophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chloropropane), 2,2'-oxybis(1-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Chrysene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dibenz[a,h]anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dibenzofuran	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dichlorobenzene, 1,2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dichlorobenzene, 1,3-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dichlorobenzene, 1,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dichlorobenzidine, 3,3'-	8270	ug/kg	<660	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dichlorphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Diethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dimethylphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dimethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Di-n-butyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dinitro-o-cresol, 4,6-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dinitrophenol, 2,4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Dinitrotoluene, 2,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Di-n-octyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Ethylhexyl)phthalate, bis(2-	8270	ug/kg	51	J	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Fluorene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Hexachlorobenzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Hexachlorobutadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Hexachlorocyclopentadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Hexachloroethane	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Indeno(1,2,3-c,d)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Isophorone	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Methylnaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Methylphenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Naphthalene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitroaniline, 2-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitroaniline, 3-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitroaniline, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitro-benzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitrophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitrophenol, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitrosodiphenylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Nitrosodipropylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Pentachlorophenol	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Phenanthrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Phenol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Trichlorobenzene, 1,2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Trichlorophenol, 2,4,5-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130272	D	17-JUN-94	8	Trichlorophenol, 2,4,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	2,4-Dinitrotoluene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Acenaphthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Acenaphthene	8270	ug/kg	2200		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Acenaphthylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzo(a)anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzo(a)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzo(b)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzo(ghi)perylene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzo(k)fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzoic acid	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Benzyl alcohol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Bromophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Butylbenzyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Carbazole	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloro-3-methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Chloro-3-methylphenol, 4-	8270	ug/kg	4100		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloroaniline, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloroethoxy)methane, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloroethyl)ether, bis(2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloronaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chlorophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Chlorophenol, 2-	8270	ug/kg	4300		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chlorophenyl phenyl ether, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chloropropane), 2,2'-oxybis(1-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Chrysene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dibenz[a,h]anthracene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dibenzofuran	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dichlorobenzene, 1,2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dichlorobenzene, 1,3-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dichlorobenzene, 1,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Dichlorobenzene, 1,4-	8270	ug/kg	2100		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dichlorobenzidine, 3,3'-	8270	ug/kg	<660	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dichlorphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Diethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dimethylphenol, 2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dimethylphthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Di-n-butyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dinitro-o-cresol, 4,6-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dinitrophenol, 2,4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Dinitrotoluene, 2,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Di-n-octyl phthalate	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Ethylhexyl)phthalate, bis(2-	8270	ug/kg	350		111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Fluoranthene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Fluorene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Hexachlorobenzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Hexachlorobutadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Hexachlorocyclopentadiene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Hexachloroethane	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Indeno(1,2,3-c,d)pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Isophorone	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Methylnaphthalene, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Methylphenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Methylphenol, 4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Naphthalene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitroaniline, 2-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitroaniline, 3-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitroaniline, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitro-benzene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitrophenol, 2-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitrophenol, 4-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitrophenol, 4-	8270	ug/kg	5100		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitrosodiphenylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Nitrosodipropylamine, n-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitrosodipropylamine, n-	8270	ug/kg	2400		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Pentachlorophenol	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Pentachlorophenol	8270	ug/kg	2800		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Phenanthrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Phenol	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Phenol	8270	ug/kg	3900		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Pyrene	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Pyrene	8270	ug/kg	2900		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Trichlorobenzene, 1,2,4-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Trichlorobenzene, 1,2,4-	8270	ug/kg	2100		111	SOIL	
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Trichlorophenol, 2,4,5-	8270	ug/kg	<1600	U	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130280	F	17-JUN-94	15	Trichlorophenol, 2,4,6-	8270	ug/kg	<330	U	111	SOIL	QUANTERRA
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	2,4-Dinitrotoluene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Acenaphthene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Acenaphthylene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzo(a)anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzo(a)pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzo(b)fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzo(ghi)perylene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzo(k)fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzoic acid	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Benzyl alcohol	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Bromophenyl phenyl ether, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Butylbenzyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Carbazole	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloro-3-methylphenol, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloroaniline, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloroethoxy)methane, bis(2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloroethyl)ether, bis(2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloronaphthalene, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chlorophenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chlorophenyl phenyl ether, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chloropropane), 2,2'-oxybis(1-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Chrysene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dibenz[a,h]anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dibenzofuran	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dichlorobenzene, 1,2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dichlorobenzene, 1,3-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dichlorobenzene, 1,4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dichlorobenzidine, 3,3'-	8270	ug/L	<20	U	111	WATER	QUANTERRAINE

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dichlorphenol, 2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Diethylphthalate	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dimethylphenol, 2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dimethylphthalate	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Di-n-butyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dinitro-o-cresol, 4,6-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dinitrophenol, 2,4-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Dinitrotoluene, 2,6-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Di-n-octyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Ethylhexyl)phthalate, bis(2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Fluorene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Hexachlorobenzene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Hexachlorobutadiene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Hexachlorocyclopentadiene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Hexachloroethane	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Indeno(1,2,3-c,d)pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Isophorone	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Methylnaphthalene, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Methylphenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Methylphenol, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Naphthalene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitroaniline, 2-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitroaniline, 3-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitroaniline, 4-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitro-benzene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitrophenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitrophenol, 4-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitrosodiphenylamine, n-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Nitrosodipropylamine, n-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Pentachlorophenol	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Phenanthrene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Phenol	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Trichlorobenzene, 1,2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Trichlorophenol, 2,4,5-	8270	ug/L	<50	U	111	WATER	QUANTERRAINE
TA3/5-111-B-FBA	SNL0130287	FB	17-JUN-94	0	Trichlorophenol, 2,4,6-	8270	ug/L	<10	U	111	WATER	QUANTERRAINE
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	2,4-Dinitrotoluene	8270	ug/L	<10	U	111	WATER	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Acenaphthene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Acenaphthylene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzo(a)anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzo(a)pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzo(b)fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzo(ghi)perylene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzo(k)fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzoic acid	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Benzyl alcohol	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Bromophenyl phenyl ether, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Butylbenzyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Carbazole	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloro-3-methylphenol, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloroaniline, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloroethoxy)methane, bis(2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloroethyl)ether, bis(2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloronaphthalene, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chlorophenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chlorophenyl phenyl ether, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chloropropane), 2,2'-oxybis(1-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Chrysene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dibenz[a,h]anthracene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dibenzofuran	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dichlorobenzene, 1,2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dichlorobenzene, 1,3-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dichlorobenzene, 1,4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dichlorobenzidine, 3,3'-	8270	ug/L	<20	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dichlorphenol, 2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Diethylphthalate	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dimethylphenol, 2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dimethylphthalate	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Di-n-butyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dinitro-o-cresol, 4,6-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dinitrophenol, 2,4-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Dinitrotoluene, 2,6-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Di-n-octyl phthalate	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Ethylhexyl)phthalate, bis(2-	8270	ug/L	12		111	WATER	QUANTERRA

ER Site 111 RFI Analytical Results; Semi-Volatile Organics (EPA Method 8270)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Description	Laboratory
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Fluoranthene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Fluorene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Hexachlorobenzene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Hexachlorobutadiene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Hexachlorocyclopentadiene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Hexachloroethane	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Indeno(1,2,3-c,d)pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Isophorone	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Methylnaphthalene, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Methylphenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Methylphenol, 4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Naphthalene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitroaniline, 2-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitroaniline, 3-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitroaniline, 4-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitro-benzene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitrophenol, 2-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitrophenol, 4-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitrosodiphenylamine, n-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Nitrosodipropylamine, n-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Pentachlorophenol	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Phenanthrene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Phenol	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Pyrene	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Trichlorobenzene, 1,2,4-	8270	ug/L	<10	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Trichlorophenol, 2,4,5-	8270	ug/L	<50	U	111	WATER	QUANTERRA
TA3/5-111-B-RBA	SNL0130283	EB	17-JUN-94	0	Trichlorophenol, 2,4,6-	8270	ug/L	<10	U	111	WATER	QUANTERRA

ER Site 111 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	HMX	ug/g	<2.2	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Nitrotoluene, m-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Nitrotoluene, o-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Nitrotoluene, p-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	RDX	ug/g	<1	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Tetryl	ug/g	<.65	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-111-B1-12	SNL0130269	F	17-JUN-94	12	Trinitrotoluene, 2,4,6-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	HMX	ug/g	<2.2	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Nitrotoluene, m-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Nitrotoluene, o-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Nitrotoluene, p-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	RDX	ug/g	<1	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Tetryl	ug/g	<.65	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8	SNL0130277	F	17-JUN-94	8	Trinitrotoluene, 2,4,6-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL

ER Site 111 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	HMX	ug/g	<2.2	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Nitrotoluene, m-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Nitrotoluene, o-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Nitrotoluene, p-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	RDX	ug/g	<1	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Tetryl	ug/g	<.65	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-111-B2-8D	SNL0130273	D	17-JUN-94	8	Trinitrotoluene, 2,4,6-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	2,4-Dinitrotoluene	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	2,4-Dinitrotoluene	ug/kg	2900		SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	2,4-Dinitrotoluene	ug/g	6.2		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Amino-2,6-dinitrotoluene, 4-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Amino-2,6-dinitrotoluene, 4-	ug/g	6.4		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Amino-4,6-dinitrotoluene, 2-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Amino-4,6-dinitrotoluene, 2-	ug/g	6.3		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Dinitrobenzene, 1,3-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Dinitrobenzene, 1,3-	ug/g	6.2		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Dinitrotoluene, 2,6-	ug/g	<.26	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Dinitrotoluene, 2,6-	ug/g	5.8		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	HMX	ug/g	<2.2	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	HMX	ug/g	5.8		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Nitro-benzene	ug/g	<.26	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitro-benzene	ug/g	6.9		SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitrotoluene, 2-	ug/g	5.8		SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitrotoluene, 3-	ug/g	4.6		SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Nitrotoluene, 4-	ug/g	6		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Nitrotoluene, m-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Nitrotoluene, o-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Nitrotoluene, p-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	RDX	ug/g	<1	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	RDX	ug/g	5.7		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Tetryl	ug/g	<.65	U	SOIL

ER Site 111 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Tetryl	ug/g	3.3		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Trinitrobenzene, 1,3,5-	ug/g	<.25	U	SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Trinitrobenzene, 1,3,5-	ug/g	5.6		SOIL
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Trinitrotoluene	ug/g	5.2		SOIL
TA3/5-111-B3-15	SNL0130281	F	17-JUN-94	15	Trinitrotoluene, 2,4,6-	ug/g	<.25	U	SOIL
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-111-B-RBA	SNL0130284	EB	17-JUN-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER

ER Site 111 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-111-B-FBA	SNL0130288	FB	17-JUN-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER

ER Site 111 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	ER Site	Material Descripti on	Laboratory
TA3/5-111-B1-12	SNL0130267	F	17-JUN-94	12	Silver	6010	mg/kg	<1	U	111	SOIL	QUANTERRA
TA3/5-111-B2-8	SNL0130275	F	17-JUN-94	8	Silver	6010	mg/kg	2.1		111	SOIL	QUANTERRA
TA3/5-111-B2-8D	SNL0130271	D	17-JUN-94	8	Silver	6010	mg/kg	1.9		111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNL0130279	F	17-JUN-94	15	Silver	6010	mg/kg	.54	J	111	SOIL	QUANTERRA
TA3/5-111-B3-15	SNLA016889-2	SD	17-JUN-94	15	Silver	6010	mg/kg	5.2		111	SOIL	
TA3/5-111-B-FBA	SNL0130289	FB	17-JUN-94	0	Silver	6010	mg/L	<.01	U	111	WATER	QUANTERRAINE
TA3/5-111-B-RBA	SNL0130285	EB	17-JUN-94	0	Silver	6010	mg/L	<.01	U	111	WATER	QUANTERRA

SNL/NM 010000 SNL/NM 010001 SNL/NM 010002 SNL/NM 010003

SCL- 00620

National Laboratories

ENVIRONMENTAL PROGRAMS
SAMPLE COLLECTION LOG

SF 2001-SCL (12-93)

AR/COC No.: AR/COC- 00346 / 00347

PAGE 1 OF 3

GENERAL INFORMATION	DATE: 6-17-94	WEATHER: CLOUDY, 80-90	SAMPLING INFORMATION	ON-SITE CONTACT: PAULA SLAVIN	ORG.: 7582 / PHONE: 848-0334
	SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP			AREA: TA 3	LOCATION: SITE 111 - BLDG 6715 SUMP/DRAIN
	PURPOSE OF SAMPLING: PHASE 1 RFI				

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER GEOPROBE

ANALYSES

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	ARCOC #	Sample Type Grab/Comp.	QC Sample (Y/N)	VOC (8240)	SVOC (8270)	EXPLOSIVE RESIDUE (8330)	SILVER (6010)
016880 - 1	0825	111 - B1 - 8		00347	G	N	X			
016880 - 2	↓	111 - B1 - 8		00347	↓	N		X	X	X
016881 - 1	0835	111 - B1 - 12		00346 ~~00347~~		N	X			
016881 - 2	↓	111 - B1 - 12		00346 ~~00347~~		N		X	X	X
016882 - 1	0847	111 - B1 - 15		00347		N	X			
016882 - 2	↓	111 - B1 - 15		00347		N		X	X	X
016883 - 1	1035	111 - B2 - 8D	DUPLICATE OF SNL/NM 016880-1	00346		Y	X			
016883 - 2	↓	111 - B2 - 8D	DUPLICATE OF SNL/NM 016880-2	00346	↓	Y		X	X	X

PROJECT	PROJECT NAME	CASE NUMBER	PROJECT CONTACT	ORG.	PHONE
	TA 3/5 - SITE 111	3617.300	PAULA SLAVIN	7582	848-0334

*ADDITIONAL INFORMATION: ARCOC # 00347 SAMPLE ARCHIVED AT BLDG 6540. ARCOC # 00346 SENT TO ENSECO/RMAL

(Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
	1. TIM JACKSON	Tim Jackson	TJ	IT CORP
	2. JOHN BOYD	[illegible]	[illegible]	↓
	3.			

SAMPLE TRACKING			
	SAMPLE DISTRIBUTION: ENSECO/RMAL	TRANSPORTED BY: A 44334	SPECIAL HANDLING:
	DATE SHIPPED (MM-DD-YY): 6/20/94	DATA ENTERED (MM-DD-YY): 6/30/94	BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCC (4-94)

SNL/NM 016884 SNL/NM 016889 SNL/NM 016890 SNL/NM 016891
SNL/NM 016885
SNL/NM 016886
SNL/NM 016887
SNL/NM 016888

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 00620

AR/COC No.: AR/COC- 00346

PAGE 2 OF 3

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: VOC (8240)	SVOC (8270)	Energy Residue (8330)	Silver (6010)
016884-1	0950	111-B2-8	ARCOC# 00346	G	N	X			
016884-2	↓	111-B2-8	↓ ↓	↓	↓		X	X	X
016885-1	0955	111-B2-12	ARCOC# 00347 00346			X			
016885-2	↓	111-B2-12	↓				X	X	X
016886-1	1003	111-B2-15	00347			X			
016886-2	↓	111-B2-15	↓				X	X	X
016887-1	1105	111-B3-5				X			
016887-2	↓	111-B3-5					X	X	X
016888-1	1113	111-B3-10				X			
016888-2	↓	111-B3-10	↓		↓		X	X	X
016889-1	1120	111-B3-15	MATRIX SPIKE / MATRIX SPIKE DUPLICATE 00346		Y	X			
016889-2	↓	111-B3-15	MATRIX SPIKE / MATRIX SPIKE DUPLICATE		Y		X	X	X
016890-1	1200	111-B - RBA	RINSATE BLANK (WATER MATRIX)		Y	X			
016890-2	↓	111-B - RBA	↓ ↓		Y		X		
016890-3		111-B - RBA			Y			X	
016890-4		111-B - RBA			Y				X
016891-1	1207	111-B - FBA	FIELD BLANK (WATER MATRIX)		Y	X			
016891-2	↓	111-B - FBA	↓ ↓		Y		X		
016891-3		111-B - FBA			Y			X	
016891-4		111-B - FBA			Y				X

WHITE - To Sample Management Office PINK - Originator

6/30/94

Sandia National Laboratories

SNL/NM 016892

F 2001-SCC (4-94)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 00620

AR/COC No.: AR/COC- 00346

PAGE 3 OF 3

Sample Number - Fraction SNLNM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: VOC (8240)	SVOC (8270)	Explosives (8330)	Silver (6010)				
016892-1	1210	111-83-TBA	TRIP BLANK (WATER MATRIX) AECOC # 00346	NA	Y	X							

LAST LINE

WHITE - To Sample Management Office PINK - Originator

6/30/04

Enseco

RECEIVED
JUL 21 1994
SNL/SMO

July 19, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for eight soil samples and nine aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on June 21, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #036355

DATA REVIEWED
By: MS Garcia Date: 8-5-94
Checked: _____
Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 036355

JULY 19, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 21, 1994, Enseco-Rocky Mountain Analytical Laboratory received eight soil samples and nine aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

Due to instrument failure, al quality control samples associated with Method 8270 analysis of Rocky Mountain Analytical Laboratory (RMAL) sample 036355-0010-SA could not be completed. Because there was insufficient sample for repreparation and reanalysis, and the sample surrogates were within acceptable limits, the data were reported.

The Method 8330 QC lot 27 JUN 94-N1 shows the average percent accuracy for nitrobenzene exceeding the control limits. In addition the Method 8330 QC lot 23 JUN 94-N1 has the average percent accuracy and relative percent difference for

1,3,5-trinitrobenzene and the percent accuracy for 4-amino-2,6-dinitrotoluene exceeding the control limits. Because no target compounds were detected in any of the samples associated with these QC lots, no further action was required and the data were deemed acceptable for reporting.

Metals Data Review

The Method 6010 QC lot 01 JUL 94-9C has the relative percent difference for chromium exceeding control limits. Because chromium was not a target analyte for this method, no further action was required.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036355-0001-SA	SNLA016881-1	SOIL	17 JUN 94	08:35	21 JUN 94
036355-0002-SA	SNLA016881-2	SOIL	17 JUN 94	08:35	21 JUN 94
036355-0003-SA	SNLA016883-1	SOIL	17 JUN 94	10:35	21 JUN 94
036355-0004-SA	SNLA016883-2	SOIL	17 JUN 94	10:35	21 JUN 94
036355-0005-SA	SNLA016884-1	SOIL	17 JUN 94	09:50	21 JUN 94
036355-0006-SA	SNLA016884-2	SOIL	17 JUN 94	09:50	21 JUN 94
036355-0007-SA	SNLA016889-1	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0007-MS	SNLA016889-1	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0007-SD	SNLA016889-1	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0008-SA	SNLA016889-2	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0008-MS	SNLA016889-2	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0008-SD	SNLA016889-2	SOIL	17 JUN 94	11:20	21 JUN 94
036355-0009-SA	SNLA016890-1	AQUEOUS	17 JUN 94	12:00	21 JUN 94
036355-0010-SA	SNLA016890-2	AQUEOUS	17 JUN 94	12:00	21 JUN 94
036355-0011-SA	SNLA016890-3	AQUEOUS	17 JUN 94	12:00	21 JUN 94
036355-0012-SA	SNLA016890-4	AQUEOUS	17 JUN 94	12:00	21 JUN 94
036355-0013-SA	SNLA016891-1	AQUEOUS	17 JUN 94	12:07	21 JUN 94
036355-0014-SA	SNLA016891-2	AQUEOUS	17 JUN 94	12:07	21 JUN 94
036355-0015-SA	SNLA016891-3	AQUEOUS	17 JUN 94	12:07	21 JUN 94
036355-0016-SA	SNLA016891-4	AQUEOUS	17 JUN 94	12:07	21 JUN 94
036355-0017-TB	SNLA016892-1	AQUEOUS	17 JUN 94	12:10	21 JUN 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036355	Group Code	Analysis Description	Custom Test?
0001 , 0003, 0005 , 0007	A	Volatile Organics	N
		Target Compound List (TCL)	N
		GC Screen For Low Level Soils	N
0002 , 0004, 0006 , 0008	B	TCL Semivolatile Organics	N
		Prep - Semivolatile Organics by GC/MS	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
0009 , 0013, 0017	C	Volatile Organics	N
		Target Compound List (TCL)	N
		Screen - Volatile Organics	N
0010 , 0014	D	Semivolatile Organics	N
		Target Compound List (TCL)	
		Prep - Semivolatile Organics by GC/MS	N
0011 , 0015	E	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0012 , 0016	F	ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Enseco

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036355-0001-SA	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0003-SA	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0005-SA	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0007-SA	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0007-MS	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0007-SD	SOIL	8240-SL	29 JUN 94-D	29 JUN 94-D
036355-0009-SA	AQUEOUS	624-A	23 JUN 94-D	23 JUN 94-D
036355-0013-SA	AQUEOUS	624-A	23 JUN 94-D	23 JUN 94-D
036355-0017-TB	AQUEOUS	624-A	23 JUN 94-D	23 JUN 94-D

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DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8240-SL Matrix: SOIL QC Lot: 29 JUN 94-D Concentration Units: ug/kg								
1,1-Dichloroethene	50.0	51.6	43.8	47.7	95	65-137	16	20
Trichloroethene	50.0	52.8	50.8	51.8	104	83-118	3.9	12
Benzene	50.0	51.8	50.5	51.2	102	80-119	2.5	10
Toluene	50.0	53.9	48.5	51.2	102	80-119	11	12
Chlorobenzene	50.0	50.1	49.6	49.8	100	80-119	1.0	12
Category: 624-A Matrix: AQUEOUS QC Lot: 23 JUN 94-D Concentration Units: ug/L								
1,1-Dichloroethene	50.0	38.5	40.3	39.4	79	74-124	4.6	17
Trichloroethene	50.0	43.7	44.7	44.2	88	77-119	2.3	13
Benzene	50.0	43.0	44.5	43.8	88	80-117	3.4	12
Toluene	50.0	42.1	44.4	43.2	87	80-119	5.3	1[illegible]
Chlorobenzene	50.0	40.7	43.7	42.2	84	81-120	7.1	1[illegible]

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8240-SL				
Matrix: SOIL				
QC Lot: 29 JUN 94-D QC Run: 29 JUN 94-D				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	50.0	48.1	96	82-112
4-Bromofluorobenzene	50.0	48.4	97	84-109
Toluene-d8	50.0	49.2	98	90-112
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 23 JUN 94-D QC Run: 23 JUN 94-D				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	49.8	100	85-111
4-Bromofluorobenzene	50.0	50.5	101	86-110
Toluene-d8	50.0	49.5	99	91-110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Volatile Organics by GC/MS

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 29 JUN 94-D QC Run: 29 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	3.7	ug/kg	10	J
Methylene chloride	2.2	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	1.6	ug/kg	10	J
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

Duplicate of page 00053

Enseco

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CPL-TCL-S
Matrix: SOIL
QC Lot: 29 JUN 94-D QC Run: 29 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/kg	10	
Benzene	ND	ug/kg	5.0	
Bromodichloromethane	ND	ug/kg	5.0	
Bromoform	ND	ug/kg	5.0	
Bromomethane	ND	ug/kg	10	
2-Butanone (MEK)	ND	ug/kg	10	
Carbon disulfide	ND	ug/kg	5.0	
Carbon tetrachloride	ND	ug/kg	5.0	
Chlorobenzene	ND	ug/kg	5.0	
Chloroethane	ND	ug/kg	10	
Chloroform	ND	ug/kg	5.0	
Chloromethane	ND	ug/kg	10	
Dibromochloromethane	ND	ug/kg	5.0	
1,1-Dichloroethane	ND	ug/kg	5.0	
1,2-Dichloroethane	ND	ug/kg	5.0	
1,1-Dichloroethene	ND	ug/kg	5.0	
1,2-Dichloroethene (total)	ND	ug/kg	5.0	
1,2-Dichloropropane	ND	ug/kg	5.0	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	
Ethylbenzene	ND	ug/kg	5.0	
2-Hexanone	3.7	ug/kg	10	J
Methylene chloride	2.2	ug/kg	5.0	J
4-Methyl-2-pentanone (MIBK)	1.6	ug/kg	10	J
Styrene	ND	ug/kg	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	
Tetrachloroethene	ND	ug/kg	5.0	
Toluene	ND	ug/kg	5.0	
1,1,1-Trichloroethane	ND	ug/kg	5.0	
1,1,2-Trichloroethane	ND	ug/kg	5.0	
Trichloroethene	ND	ug/kg	5.0	
Vinyl acetate	ND	ug/kg	10	
Vinyl chloride	ND	ug/kg	10	
Xylenes (total)	ND	ug/kg	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CP-TCL-AP
Matrix: AQUEOUS
QC Lot: 23 JUN 94-D QC Run: 23 JUN 94-D

Analyte	Result	Units	Reporting Limit	
Acetone	5.4	ug/L	10	J
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
1,2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	6.0	ug/L	10	J
Methylene chloride	ND	ug/L	5.0	
4-Methyl-2-pentanone (MIBK)	2.2	ug/L	10	J
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Volatile Organics by GC/MS

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8240CPL-TCL-S	036355-0007-SD	29 JUN 94-D
MATRIX SPIKE	8240CPL-TCL-S	036355-0007-MS	29 JUN 94-D

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Volatile Organics by GC/MS

Analyte	Sample	Concentration Matrix Spike	Concentration Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: 8240CPL-TCL-S								
Matrix SOIL								
Sample: 036355-0007								
Units: ug/kg								
Benzene	ND	46	50	50	50	92	99	7
Chlorobenzene	ND	47	51	50	50	94	102	8
1,1-Dichloroethene	ND	45	45	50	50	89	89	0
Toluene	1.8 J	46	48	50	50	89	92	3
Trichloroethene	ND	48	50	50	50	96	100	4

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036355-0002-SA	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0004-SA	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0006-SA	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0008-SA	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0008-MS	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0008-SD	SOIL	8270-S	23 JUN 94-N1	23 JUN 94-N1
036355-0014-SA	AQUEOUS	625-A	24 JUN 94-N1	24 JUN 94-N1

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8270-S Matrix: SOIL QC Lot: 23 JUN 94-N1 Concentration Units: ug/kg								
Phenol	6670	5210	4900	5060	76	45-107	6.1	19
2-Chlorophenol	6670	5460	5080	5270	79	46-112	7.2	17
1,4-Dichlorobenzene	3330	2770	2550	2660	80	58-101	8.3	22
N-Nitroso-di-n-propylamine	3330	2790	2660	2720	82	58-101	4.8	18
1,2,4-Trichlorobenzene	3330	2690	2500	2600	78	59-103	7.3	24
4-Chloro-3-methylphenol	6670	5020	4800	4910	74	41-123	4.5	16
Acenaphthene	3330	2570	2400	2480	75	54-110	6.8	15
4-Nitrophenol	6670	6070	5630	5850	88	30-132	7.5	22
2,4-Dinitrotoluene	3330	3270	3130	3200	96	51-117	4.4	17
Pentachlorophenol	6670	4800	4660	4730	71	32-130	3.0	29
Pyrene	3330	3100	2920	3010	90	52-115	6.0	20
Category: 625-A Matrix: AQUEOUS QC Lot: 24 JUN 94-N1 Concentration Units: ug/L								
Phenol	100	76.6	62.6	69.6	70	45-109	20	29
2-Chlorophenol	100	92.0	72.2	82.1	82	47-111	24	29
1,4-Dichlorobenzene	50	37.3	31.3	34.3	69	32-103	17	28
N-Nitroso-di-n-propylamine	50	37.2	30.3	33.8	68	49-107	20	24
1,2,4-Trichlorobenzene	50	35.3	30.9	33.1	66	44-102	13	27
4-Chloro-3-methylphenol	100	82.4	71.9	77.2	77	50-115	14	27
Acenaphthene	50	37.3	33.1	35.2	70	47-109	12	24
4-Nitrophenol	100	74.7	74.5	74.6	75	40-127	0.3	51
2,4-Dinitrotoluene	50	40.9	37.8	39.4	79	46-118	7.9	22
Pentachlorophenol	100	85.3	82.9	84.1	84	30-136	2.9	34
Pyrene	50	41.9	42.1	42.0	84	52-115	0.5	23

Calculations are performed before rounding to avoid round-off errors in calculated results.

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SINGLE CONTROL SAMPLE REPORT
Semivolatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8270-S				
Matrix: SOIL				
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1				
Concentration Units: ug/kg				
Nitrobenzene-d5	1670	1340	80	62-110
2-Fluorobiphenyl	1670	1300	78	61-114
Terphenyl-d14	1670	1580	95	49-137
2-Fluorophenol	3330	2630	79	60-115
Phenol-d5	3330	2720	82	61-111
2,4,6-Tribromophenol	3330	2660	80	44-110
Category: 625-A				
Matrix: AQUEOUS				
QC Lot: 24 JUN 94-N1 QC Run: 24 JUN 94-N1				
Concentration Units: ug/L				
Nitrobenzene-d5	100	78.4	78	49-113
2-Fluorobiphenyl	100	63.7	64	43-104
Terphenyl-d14	100	74.1	74	33-139
2-Fluorophenol	200	138	69	42-100
Phenol-d5	200	145	72	50- 94
2,4,6-Tribromophenol	200	118	59	33-123

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Semivolatile Organics by GC/MS

Test: 8270-TCL-S
Matrix: SOIL
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1

Analyte	Result	Units	Reporting Limit
Phenol	ND	ug/kg	330
bis(2-Chloroethyl) ether	ND	ug/kg	330
2-Chlorophenol	ND	ug/kg	330
1,3-Dichlorobenzene	ND	ug/kg	330
1,4-Dichlorobenzene	ND	ug/kg	330
Benzyl alcohol	ND	ug/kg	330
1,2-Dichlorobenzene	ND	ug/kg	330
2-Methylphenol	ND	ug/kg	330
bis(2-Chloroisopropyl) ether	ND	ug/kg	330
4-Methylphenol	ND	ug/kg	330
N-Nitroso-di-n-propylamine	ND	ug/kg	330
Hexachloroethane	ND	ug/kg	330
Nitrobenzene	ND	ug/kg	330
Isophorone	ND	ug/kg	330
2-Nitrophenol	ND	ug/kg	330
2,4-Dimethylphenol	ND	ug/kg	330
Benzoic acid	ND	ug/kg	1600
bis(2-Chloroethoxy) methane	ND	ug/kg	330
2,4-Dichlorophenol	ND	ug/kg	330
1,2,4-Trichlorobenzene	ND	ug/kg	330
Naphthalene	ND	ug/kg	330
4-Chloroaniline	ND	ug/kg	330
Hexachlorobutadiene	ND	ug/kg	330
4-Chloro-3-methylphenol	ND	ug/kg	330
2-Methylnaphthalene	ND	ug/kg	330
Hexachlorocyclopentadiene	ND	ug/kg	330
2,4,6-Trichlorophenol	ND	ug/kg	330
2,4,5-Trichlorophenol	ND	ug/kg	1600
2-Chloronaphthalene	ND	ug/kg	330
2-Nitroaniline	ND	ug/kg	1600
Dimethyl phthalate	ND	ug/kg	330
Acenaphthylene	ND	ug/kg	330
3-Nitroaniline	ND	ug/kg	1600
Acenaphthene	ND	ug/kg	330
2,4-Dinitrophenol	ND	ug/kg	1600
4-Nitrophenol	ND	ug/kg	1600
Dibenzofuran	ND	ug/kg	330
2,4-Dinitrotoluene	ND	ug/kg	330

METHOD BLANK REPORT
Semivolatile Organics by GC/MS (cont.)

Analyte	Result	Units	Reporting Limit
Test: 8270-TCL-S			
Matrix: SOIL			
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1			
2,6-Dinitrotoluene	ND	ug/kg	330
Diethyl phthalate	ND	ug/kg	330
4-Chlorophenyl phenyl ether	ND	ug/kg	330
Fluorene	ND	ug/kg	330
4-Nitroaniline	ND	ug/kg	1600
4,6-Dinitro-2-methylphenol	ND	ug/kg	1600
N-Nitrosodiphenylamine	ND	ug/kg	330
4-Bromophenyl phenyl ether	ND	ug/kg	330
Hexachlorobenzene	ND	ug/kg	330
Pentachlorophenol	ND	ug/kg	1600
Phenanthrene	ND	ug/kg	330
Anthracene	ND	ug/kg	330
Carbazole	ND	ug/kg	330
Di-n-butyl phthalate	ND	ug/kg	330
Fluoranthene	ND	ug/kg	330
Pyrene	ND	ug/kg	330
Butyl benzyl phthalate	ND	ug/kg	330
3,3'-Dichlorobenzidine	ND	ug/kg	660
Benzo(a)anthracene	ND	ug/kg	330
bis(2-Ethylhexyl) phthalate	ND	ug/kg	330
Chrysene	ND	ug/kg	330
Di-n-octyl phthalate	ND	ug/kg	330
Benzo(b)fluoranthene	ND	ug/kg	330
Benzo(k)fluoranthene	ND	ug/kg	330
Benzo(a)pyrene	ND	ug/kg	330
Indeno(1,2,3-cd)pyrene	ND	ug/kg	330
Dibenz(a,h)anthracene	ND	ug/kg	330
Benzo(g,h,i)perylene	ND	ug/kg	330

Test: 8270-TCL-S			
Matrix: SOIL			
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1			
Phenol	ND	ug/kg	330
bis(2-Chloroethyl) ether	ND	ug/kg	330
2-Chlorophenol	ND	ug/kg	330

METHOD BLANK REPORT
Semivolatile Organics by GC/MS (cont.)

Test: 8270-TCL-S
Matrix: SOIL
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1

Analyte	Result	Units	Reporting Limit
1,3-Dichlorobenzene	ND	ug/kg	330
1,4-Dichlorobenzene	ND	ug/kg	330
Benzyl alcohol	ND	ug/kg	330
1,2-Dichlorobenzene	ND	ug/kg	330
2-Methylphenol	ND	ug/kg	330
bis(2-Chloroisopropyl) ether	ND	ug/kg	330
4-Methylphenol	ND	ug/kg	330
N-Nitroso-di-n-propylamine	ND	ug/kg	330
Hexachloroethane	ND	ug/kg	330
Nitrobenzene	ND	ug/kg	330
Isophorone	ND	ug/kg	330
2-Nitrophenol	ND	ug/kg	330
2,4-Dimethylphenol	ND	ug/kg	330
Benzoic acid	ND	ug/kg	1600
bis(2-Chloroethoxy) methane	ND	ug/kg	330
2,4-Dichlorophenol	ND	ug/kg	330
1,2,4-Trichlorobenzene	ND	ug/kg	330
Naphthalene	ND	ug/kg	330
4-Chloroaniline	ND	ug/kg	330
Hexachlorobutadiene	ND	ug/kg	330
4-Chloro-3-methylphenol	ND	ug/kg	330
2-Methylnaphthalene	ND	ug/kg	330
Hexachlorocyclopentadiene	ND	ug/kg	330
2,4,6-Trichlorophenol	ND	ug/kg	330
2,4,5-Trichlorophenol	ND	ug/kg	1600
2-Chloronaphthalene	ND	ug/kg	330
2-Nitroaniline	ND	ug/kg	1600
Dimethyl phthalate	ND	ug/kg	330
Acenaphthylene	ND	ug/kg	330
3-Nitroaniline	ND	ug/kg	1600
Acenaphthene	ND	ug/kg	330
2,4-Dinitrophenol	ND	ug/kg	1600
4-Nitrophenol	ND	ug/kg	1600
Dibenzofuran	ND	ug/kg	330
2,4-Dinitrotoluene	ND	ug/kg	330
2,6-Dinitrotoluene	ND	ug/kg	330
Diethyl phthalate	ND	ug/kg	330
4-Chlorophenyl phenyl ether	ND	ug/kg	330

METHOD BLANK REPORT
Semivolatile Organics by GC/MS (cont.)

Analyte	Result	Units	Reporting Limit
Test: 8270-TCL-S			
Matrix: SOIL			
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1			
Fluorene	ND	ug/kg	330
4-Nitroaniline	ND	ug/kg	1600
4,6-Dinitro-2-methylphenol	ND	ug/kg	1600
N-Nitrosodiphenylamine	ND	ug/kg	330
4-Bromophenyl phenyl ether	ND	ug/kg	330
Hexachlorobenzene	ND	ug/kg	330
Pentachlorophenol	ND	ug/kg	1600
Phenanthrene	ND	ug/kg	330
Anthracene	ND	ug/kg	330
Carbazole	ND	ug/kg	330
Di-n-butyl phthalate	ND	ug/kg	330
Fluoranthene	ND	ug/kg	330
Pyrene	ND	ug/kg	330
Butyl benzyl phthalate	ND	ug/kg	330
3,3'-Dichlorobenzidine	ND	ug/kg	660
Benzo(a)anthracene	ND	ug/kg	330
bis(2-Ethylhexyl) phthalate	ND	ug/kg	330
Chrysene	ND	ug/kg	330
Di-n-octyl phthalate	ND	ug/kg	330
Benzo(b)fluoranthene	ND	ug/kg	330
Benzo(k)fluoranthene	ND	ug/kg	330
Benzo(a)pyrene	ND	ug/kg	330
Indeno(1,2,3-cd)pyrene	ND	ug/kg	330
Dibenz(a,h)anthracene	ND	ug/kg	330
Benzo(g,h,i)perylene	ND	ug/kg	330
Test: 8270CP-TCL-A			
Matrix: AQUEOUS			
QC Lot: 24 JUN 94-N1 QC Run: 24 JUN 94-N1			
Acenaphthene	ND	ug/L	10
Acenaphthylene	ND	ug/L	10
Anthracene	ND	ug/L	10
Benzo(a)anthracene	ND	ug/L	10
Benzo(b)fluoranthene	ND	ug/L	10
Benzo(k)fluoranthene	ND	ug/L	10
Benzo(g,h,i)perylene	ND	ug/L	10

METHOD BLANK REPORT
Semivolatile Organics by GC/MS (cont.)

Test: 8270CP-TCL-A
Matrix: AQUEOUS
QC Lot: 24 JUN 94-N1 QC Run: 24 JUN 94-N1

Analyte	Result	Units	Reporting Limit
Benzo(a)pyrene	ND	ug/L	10
Benzoic acid	ND	ug/L	50
Benzyl alcohol	ND	ug/L	10
4-Bromophenyl phenyl ether	ND	ug/L	10
Butyl benzyl phthalate	ND	ug/L	10
Carbazole	ND	ug/L	10
4-Chloroaniline	ND	ug/L	10
bis(2-Chloroethoxy) methane	ND	ug/L	10
bis(2-Chloroethyl) ether	ND	ug/L	10
bis(2-Chloroisopropyl) ether	ND	ug/L	10
4-Chloro-3-methylphenol	ND	ug/L	10
2-Chloronaphthalene	ND	ug/L	10
2-Chlorophenol	ND	ug/L	10
4-Chlorophenyl phenyl ether	ND	ug/L	10
Chrysene	ND	ug/L	10
Dibenz(a,h)anthracene	ND	ug/L	10
Dibenzofuran	ND	ug/L	10
Di-n-butyl phthalate	ND	ug/L	10
1,2-Dichlorobenzene	ND	ug/L	10
1,3-Dichlorobenzene	ND	ug/L	10
1,4-Dichlorobenzene	ND	ug/L	10
3,3'-Dichlorobenzidine	ND	ug/L	20
2,4-Dichlorophenol	ND	ug/L	10
Diethyl phthalate	ND	ug/L	10
2,4-Dimethylphenol	ND	ug/L	10
Dimethyl phthalate	ND	ug/L	10
4,6-Dinitro-2-methylphenol	ND	ug/L	50
2,4-Dinitrophenol	ND	ug/L	50
2,4-Dinitrotoluene	ND	ug/L	10
2,6-Dinitrotoluene	ND	ug/L	10
Di-n-octyl phthalate	ND	ug/L	10
bis(2-Ethylhexyl) phthalate	ND	ug/L	10
Fluoranthene	ND	ug/L	10
Fluorene	ND	ug/L	10
Hexachlorobenzene	ND	ug/L	10

METHOD BLANK REPORT
Semivolatile Organics by GC/MS (cont.)

Test: 8270CP-TCL-A
Matrix: AQUEOUS
QC Lot: 24 JUN 94-N1 QC Run: 24 JUN 94-N1

Analyte	Result	Units	Reporting Limit
Hexachlorobutadiene	ND	ug/L	10
Hexachlorocyclopentadiene	ND	ug/L	10
Hexachloroethane	ND	ug/L	10
Indeno(1,2,3-cd)pyrene	ND	ug/L	10
Isophorone	ND	ug/L	10
2-Methylnaphthalene	ND	ug/L	10
2-Methylphenol	ND	ug/L	10
4-Methylphenol	ND	ug/L	10
Naphthalene	ND	ug/L	10
2-Nitroaniline	ND	ug/L	50
3-Nitroaniline	ND	ug/L	50
4-Nitroaniline	ND	ug/L	50
Nitrobenzene	ND	ug/L	10
2-Nitrophenol	ND	ug/L	10
4-Nitrophenol	ND	ug/L	50
N-Nitrosodiphenylamine	ND	ug/L	10
N-Nitroso-di-n-propylamine	ND	ug/L	10
Pentachlorophenol	ND	ug/L	50
Phenanthrene	ND	ug/L	10
Phenol	ND	ug/L	10
Pyrene	ND	ug/L	10
1,2,4-Trichlorobenzene	ND	ug/L	10
2,4,5-Trichlorophenol	ND	ug/L	50
2,4,6-Trichlorophenol	ND	ug/L	10

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Semivolatile Organics by GC/MS

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8270-TCL-S	036355-0008-SD	23 JUN 94-N1
MATRIX SPIKE	8270-TCL-S	036355-0008-MS	23 JUN 94-N1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Semivolatile Organics by GC/MS

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: 8270-TCL-S								
Matrix SOIL								
Sample: 036355-0008								
Units: ug/kg								
Phenol	ND	4400	3900	6700	6700	67	59	12
2-Chlorophenol	ND	5000	4300	6700	6700	76	64	16
1,4-Dichlorobenzene	ND	2400	2100	3300	3300	73	62	16
N-Nitroso-di-n-propylamine	ND	2900	2400	3300	3300	86	72	17
1,2,4-Trichlorobenzene	ND	2500	2100	3300	3300	75	62	19
4-Chloro-3-methylphenol	ND	4700	4100	6700	6700	71	62	14
Acenaphthene	ND	2400	2200	3300	3300	72	66	9
4-Nitrophenol	ND	5600	5100	6700	6700	84	77	9
2,4-Dinitrotoluene	ND	3200	2900	3300	3300	96	88	9
Pentachlorophenol	ND	3200	2800	6700	6700	48	42	13
Pyrene	ND	3400	2900	3300	3300	100	86	15

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036355-0002-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0004-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0006-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0008-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0008-MS	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0008-SD	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036355-0011-SA	AQUEOUS	8330-LL-A	23 JUN 94-N1	23 JUN 94-N1
036355-0015-SA	AQUEOUS	8330-LL-A	23 JUN 94-N1	23 JUN 94-N1

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DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 27 JUN 94-N1								
Concentration Units: ug/g								
HMX	5.00	5.74	5.84	5.79	116	82-153	1.7	10
RDX	5.00	5.86	5.97	5.92	118	62-176	1.9	17
1,3,5-Trinitrobenzene	5.00	5.54	5.48	5.51	110	60-149	1.1	19
1,3-Dinitrobenzene	5.00	6.12	6.20	6.16	123	73-145	1.3	10
Tetryl	5.00	2.27	2.47	2.37	47	1-115	8.4	50
Nitrobenzene	5.00	6.75	6.89	6.82	136	73-135	2.1	10
2,4,6-Trinitrotoluene	5.00	5.02	5.15	5.08	102	1-160	2.6	15
4-Amino-2,6-dinitrotoluene	5.00	6.84	6.86	6.85	137	84-181	0.3	22
2-Amino-4,6-dinitrotoluene	5.00	6.28	6.38	6.33	127	82-140	1.6	14
2,6-Dinitrotoluene	5.00	5.68	5.73	5.70	114	85-120	0.9	10
2,4-Dinitrotoluene	5.00	6.23	6.27	6.25	125	78-133	0.6	10
2-Nitrotoluene	5.00	5.72	5.86	5.79	116	81-126	2.4	10
4-Nitrotoluene	5.00	6.03	6.13	6.08	122	79-125	1.6	10
3-Nitrotoluene	5.00	4.51	4.58	4.54	91	78-131	1.5	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 23 JUN 94-N1								
Concentration Units: ug/L								
HMX	2.50	2.48	2.21	2.34	94	58-131	12	27
RDX	2.50	1.78	1.83	1.80	72	67-149	2.8	26
1,3,5-Trinitrobenzene	2.50	4.02	3.63	3.82	153	44-140	10	23
1,3-Dinitrobenzene	2.50	2.11	1.93	2.02	81	41-110	8.9	30
Tetryl	12.5	2.92	2.65	2.78	22	1-104	9.7	38
Nitrobenzene	2.50	1.69	1.51	1.60	64	24- 80	11	50
2,4,6-Trinitrotoluene	12.5	1.29	1.15	1.22	10	1-113	11	22
4-Amino-2,6-dinitrotoluene	2.50	7.40	6.59	7.00	280	65-160	12	38
2-Amino-4,6-dinitrotoluene	2.50	2.77	2.46	2.62	105	50-121	12	35
2,6-Dinitrotoluene	2.50	1.81	1.67	1.74	70	39- 94	8.0	35
2,4-Dinitrotoluene	2.50	2.12	1.80	1.96	78	46-102	16	27
2-Nitrotoluene	2.50	1.62	1.34	1.48	59	23- 84	19	50
4-Nitrotoluene	2.50	1.78	1.47	1.62	65	26- 86	19	50
3-Nitrotoluene	2.50	1.87	1.57	1.72	69	23- 86	17	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 27 JUN 94-N1 QC Run: 27 JUN 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 27 JUN 94-N1 QC Run: 27 JUN 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

METHOD BLANK REPORT
Organics by Chromatography (cont.)

Test: 8330-COE-LL-A
Matrix: AQUEOUS
QC Lot: 23 JUN 94-N1 QC Run: 23 JUN 94-N1

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

Enseco

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Organics by Chromatography

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	036355-0008-SD	27 JUN 94-N1
MATRIX SPIKE	8330-COE-LL-S	036355-0008-MS	27 JUN 94-N1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Organics by Chromatography

Analyte	Sample	Concentration Matrix Spike	Concentration Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: 8330-COE-LL-S								
Matrix SOIL								
Sample: 036355-0008								
Units: ug/g								
HMX	ND	6.0	5.8	5.0	5.0	120	115	4
RDX	ND	6.0	5.7	5.0	5.0	121	113	6
1,3,5-Trinitrobenzene	ND	5.8	5.6	5.0	5.0	116	113	3
1,3-Dinitrobenzene	ND	6.4	6.2	5.0	5.0	129	123	4
Tetryl	ND	3.4	3.3	5.0	5.0	68	66	3
Nitrobenzene	ND	7.2	6.9	5.0	5.0	144	137	5
2,4,6-Trinitrotoluene	ND	5.4	5.2	5.0	5.0	109	104	4
4-Amino-2,6-dinitrotoluene	ND	6.8	6.4	5.0	5.0	135	129	5
2-Amino-4,6-dinitrotoluene	ND	6.6	6.3	5.0	5.0	132	127	4
2,6-Dinitrotoluene	ND	6.0	5.8	5.0	5.0	121	116	4
2,4-Dinitrotoluene	ND	6.5	6.2	5.0	5.0	130	124	4
2-Nitrotoluene	ND	6.2	5.8	5.0	5.0	125	116	8
4-Nitrotoluene	ND	6.5	6.0	5.0	5.0	130	120	8
3-Nitrotoluene	ND	4.8	4.6	5.0	5.0	97	91	6

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036355-0002-SA	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0004-SA	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0006-SA	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0008-SA	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0008-MS	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0008-SD	SOIL	ICP-S	27 JUN 94-9D	27 JUN 94-9D
036355-0012-SA	AQUEOUS	ICP-AT	01 JUL 94-9C	01 JUL 94-9C
036355-0016-SA	AQUEOUS	ICP-AT	01 JUL 94-9C	01 JUL 94-9C

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 27 JUN 94-9D								
Concentration Units: mg/kg								
Aluminum	200	184	187	186	93	80-120	1.7	20
Antimony	50	46.0	47.3	46.7	93	80-120	2.6	20
Arsenic	50	42.2	43.8	43.0	86	80-120	3.8	20
Barium	200	185	186	186	93	80-120	1.0	20
Beryllium	5.0	5.08	5.39	5.23	105	80-120	5.8	20
Cadmium	5.0	4.42	4.42	4.42	88	80-120	0.0	20
Calcium	10000	9610	9510	9560	96	80-120	1.0	20
Chromium	20	18.3	18.8	18.6	93	80-120	2.4	20
Cobalt	50	45.1	47.1	46.1	92	80-120	4.4	20
Copper	25	23.1	24.4	23.8	95	80-120	5.7	20
Iron	100	87.0	89.8	88.4	88	80-120	3.2	20
Lead	50	44.5	46.8	45.6	91	80-120	5.0	20
Magnesium	5000	4970	4940	4960	99	80-120	0.5	20
Manganese	50	46.1	48.1	47.1	94	80-120	4.3	20
Nickel	50	44.0	46.0	45.0	90	80-120	4.4	20
Potassium	5000	4760	4710	4730	95	80-120	1.0	20
Silver	5	4.85	4.80	4.82	96	80-120	0.9	20
Sodium	10000	10200	10100	10200	102	80-120	1.0	20
Vanadium	50	44.7	45.3	45.0	90	80-120	1.4	20
Zinc	50	43.9	44.8	44.4	89	80-120	2.1	20
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 01 JUL 94-9C								
Concentration Units: mg/L								
Aluminum	2.00	2.10	2.11	2.10	105	80-116	0.3	10
Antimony	0.500	0.557	0.563	0.560	112	80-115	1.1	14
Arsenic	0.500	0.490	0.503	0.496	99	80-115	2.5	17
Barium	2.00	2.13	2.13	2.13	106	80-114	0.0	10
Beryllium	0.0500	0.0593	0.0598	0.0596	119	80-120	1.0	10
Cadmium	0.0500	0.0526	0.0562	0.0544	109	80-119	6.7	16
Calcium	100	107	108	107	107	80-114	0.7	10
Chromium	0.200	0.207	0.243	0.225	112	80-116	16	11
Cobalt	0.500	0.535	0.531	0.533	107	80-114	0.7	10
Copper	0.250	0.267	0.275	0.271	109	80-120	2.9	10
Iron	1.00	0.975	1.09	1.03	103	80-120	11	11
Lead	0.500	0.498	0.537	0.518	104	80-119	7.6	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 01 JUL 94-9C								
Concentration Units: mg/L								
Magnesium	50.0	57.0	57.3	57.2	114	81-120	0.6	10
Manganese	0.500	0.533	0.536	0.534	107	80-116	0.6	10
Nickel	0.500	0.515	0.525	0.520	104	80-114	2.0	10
Potassium	50.0	52.9	52.8	52.8	106	80-120	0.2	13
Selenium	0.500	0.471	0.477	0.474	95	80-120	1.2	20
Silver	0.050	0.0530	0.0550	0.0540	108	80-119	3.8	15
Sodium	100	115	116	115	115	80-120	0.9	10
Vanadium	0.500	0.501	0.499	0.500	100	80-116	0.4	10
Zinc	0.500	0.528	0.534	0.531	106	80-120	1.0	13

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-S Matrix: SOIL QC Lot: 27 JUN 94-9D QC Run: 27 JUN 94-9D			
Silver	ND	mg/kg	1.0
Test: ICP-S Matrix: SOIL QC Lot: 27 JUN 94-9D QC Run: 27 JUN 94-9D			
Silver	ND	mg/kg	1.0
Test: ICP-AT Matrix: AQUEOUS QC Lot: 01 JUL 94-9C QC Run: 01 JUL 94-9C			
Silver	ND	mg/L	0.010

Enseco

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICP-S	036355-0008-SD	27 JUN 94-9D
MATRIX SPIKE	ICP-S	036355-0008-MS	27 JUN 94-9D

Enseco

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: ICP-S								
Matrix SOIL								
Sample: 036355-0008								
Units: mg/kg								
Silver	0.54 J	5.1	5.2	5.0	5.0	90	93	3

J = Result is detected below the reporting limit or is an estimated concentration.

All calculations are performed before rounding to avoid round-off errors in calculated results.

Sandia National Laboratories

SF 2001-COC (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AR/COC- 00346

Department No.: 7582
Project/Task Manager: CHRIS ABS/ PAULA SLAVIN
Project Name: TA 3/5 - SITE 111
Sample Team Members: TIM JACKSON, JOHN BOYD
SCL or Logbook Ref. No.: 00620

Date Samples Shipped: ~~A 44334~~ 6/20/94
Carrier/Waybill No.: A 44334
Lab Destination: ENSECO/RMAL
Lab Contact: ELLEN LA RIVIERE
SMO Contact/Phone: (505) 848-0402
Send Report to SMO: PAM PUSSANT
SMO Reference No.: 301455.152.02

Bill to: Sandia National Laboratories, Supplier Services Department, P.O. Box 5800 MS 0154, Albuquerque, NM 87185-0154
Contract No.: 67-9736 B
Case No.: 3617.300
SMO Authorization: D. M. Layle

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
SNL/NM 016888-1	SOIL	6-17-94/835	GLASS	4 oz	ICE, 4°C	VOC (8240)	36355 1	good
016888-2	↓	↓	↓	16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	2	
016883-1		1035 ~~1035~~ TA		4 oz		VOC (8240)	3	
016883-2		↓		16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	4	
016888-1		0950 ~~847~~ TA		4 oz		VOC (8240)	5	
016888-2		0950 ↓		16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	6	
016889-1		1120		2X4 oz		VOC (8240) MS/MSD	7	MS/SD
016889-2	↓	↓		2X16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010) MS/MSD	8	MS/SD
016890-1	WATER	1200		3X40mL	HCL	VOC (8240)	9	
016890-2				2X1L	ICE, 4°C	SVOC (8270)	10	
016890-3	↓	↓	↓	2X1L	↓	EXPLOSIVE RESIDUE (8330)	11	

Possible Hazard Identification
☑ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Radiological

*Reference attached radiological screening for specific contact readings.

Turnaround Time
☑ Normal ☐ Rush _____ Required Report Date PER CONTRACT

Sample Disposal
☐ Return to Client ☑ Disposal by Lab Archive Until PER CONTRACT

Special Instructions/QC Requirements
- PLEASE FAX COPY OF RESULTS TO PAULA SLAVIN @ (505) 848-0417
- ENVIRONMENTAL SAMPLES - NO CONTAMINATION SUSPECTED
- MS/MSD = MATRIX SPIKE / MATRIX SPIKE DUPLICATE

	Org.	Date	Time
1. Relinquished by Tim Jackson	ITC	6-20-94	0945
1. Received by	SMO ITC	6-20-94	0945
2. Relinquished by	SMO 7576	6/20/94	1500
2. Received by Bonnie Hager	RMAL	6/21/94	0845
3. Relinquished by			
3. Received by			

	Org.	Date	Time
4. Relinquished by			
4. Received by			
5. Relinquished by			
5. Received by			
6. Relinquished by			
6. Received by			

WHITE - To Accompany Samples, Laboratory; BLUE- To Accompany Samples, Return to SMO; YELLOW- SMO Defense Copy; PINK- Field Copy

Sandia National Laboratories

SF 2001 COD (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD
(continuation)

AR/COC- 00346

Project Name: TA 3/5 - SITE 111 Project/Task Manager: CHRIS AAS / PAULA SLAVIN Case No.: 3617.300

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
016890 - 4	WATER	6-17-99/1200	POLY	500mL	HNO_3	SILVER (6010)	3635512	good
016891 - 1	↓	↓ 1207	GLASS	3X40mL	HCL	VOC (8240)	13	↓
016891 - 2		↓	↓	2X1L	ICE, 4°C	SVOC (8270)	14	
016891 - 3				2X1L	ICE, 4°C	EXPLOSIVE RESIDUE (8330)	15	
016891 - 4			POLY	500mL	HNO_3	SILVER (6010)	16	
016892 - 1		1210	GLASS	40mL	HCL	VOC (8240) TRIPBLANK	17	✓

TA

Rec'd by LMC Bonnie Kruger 6/21/99 0845

00008

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

RMAL Industrial Sample Checklist **Revision 6.0 January 24, 1994**

Project #: 36355 Date/Time Received: 6/21/94 0845

Company Name & Sampling Site: Sandia

*Cooler #(s): Temp. Blank _____ _____ _____

Temperatures: 6.1 _____ _____ _____

* Place copy of airbill inside all non-RMAL coolers. Describe here.

UNPACKING & LABELING CHECK POINTS:	Y	N	INITIALS
1. Radiation Checked; (record reading if > 0.5 mR/hr):	✓		BW
2. Cooler seals Intact:	✓		
3. Chain of Custody Present:	✓		
4. Bottles broken or leaking (comment if Y): **-photograph broken bottles-**		✓	
5. Containers labeled (comment if N):	✓		
6. Chain of Custody includes "received by" and "relinquished by" signatures, dates, and times:	✓		
7. CoC agrees with bottle count (comment if N):	✓		
8. CoC agrees with labels (comment if N):	✓		
9. VOA samples filled completely (comment if N):	✓		
10. Are VOA samples preserved? (Check for bottle labels)	✓		
11. Sediment present in "D" bottles:	NA		
12. Are analyses with short holding times requested?		✓	
13. Is extra sample volume provided for Matrix Spike and/or matrix replicates?	✓		
14. Multi phase samples present (comment if Y): **-photograph multiphase samples-**	NA		
15. Clear picture taken, labeled, and stapled to project folder?	✓		✓

Comments: include action taken to resolve discrepancies/problems. Include a hard copy of VAX mail or extra paper if more space is needed.

_____

_____

_____

_____ Initials: _____

Rocky Mountain Analytical Laboratory
4955 Yarrow Street, Arvada, CO 80002 (303) 421-6611

A DIVISION OF
ENSECO
INCORPORATED

RECEIVED
JUN 27 1994
SNL/SMO

06/21/94

Jim Fish
Sandia National Laboratory - Department 7576
PO Box 5800
Albuquerque, NM 871851305

Dear Mr. Fish:

This letter acknowledges the acceptance of 21 samples at Rocky Mountain Analytical Laboratory (RMAL) which have been assigned to project number 036355. Attached are the Sample Description Information form, cross-referencing the RMAL sample numbers to client descriptions, and a copy of the signed Chain of Custody.

If you have any questions or need additional information, please contact me at (303)421-6611. Thank you.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

Rocky Mountain Analytical Laboratory

06/21/94

SAMPLE DESCRIPTION INFORMATION

for

Sandia National Laboratory

Sample No.	Sample Description	Sample Type	Date Sampled	Time Sampled	Date Received
036355-0001-SA	SNLA016881-1	SOIL	06/17/94	08:35	06/21/94
036355-0002-SA	SNLA016881-2	SOIL	06/17/94	08:35	06/21/94
036355-0003-SA	SNLA016883-1	SOIL	06/17/94	10:35	06/21/94
036355-0004-SA	SNLA016883-2	SOIL	06/17/94	10:35	06/21/94
036355-0005-SA	SNLA016884-1	SOIL	06/17/94	09:50	06/21/94
036355-0006-SA	SNLA016884-2	SOIL	06/17/94	09:50	06/21/94
036355-0007-SA	SNLA016889-1	SOIL	06/17/94	11:20	06/21/94
036355-0007-MS	SNLA016889-1	SOIL	06/17/94	11:20	06/21/94
036355-0007-SD	SNLA016889-1	SOIL	06/17/94	11:20	06/21/94
036355-0008-SA	SNLA016889-2	SOIL	06/17/94	11:20	06/21/94
036355-0008-MS	SNLA016889-2	SOIL	06/17/94	11:20	06/21/94
036355-0008-SD	SNLA016889-2	SOIL	06/17/94	11:20	06/21/94
036355-0009-SA	SNLA016890-1	AQUEOUS	06/17/94	12:00	06/21/94
036355-0010-SA	SNLA016890-2	AQUEOUS	06/17/94	12:00	06/21/94
036355-0011-SA	SNLA016890-3	AQUEOUS	06/17/94	12:00	06/21/94
036355-0012-SA	SNLA016890-4	AQUEOUS	06/17/94	12:00	06/21/94
036355-0013-SA	SNLA016891-1	AQUEOUS	06/17/94	12:07	06/21/94
036355-0014-SA	SNLA016891-2	AQUEOUS	06/17/94	12:07	06/21/94
036355-0015-SA	SNLA016891-3	AQUEOUS	06/17/94	12:07	06/21/94
036355-0016-SA	SNLA016891-4	AQUEOUS	06/17/94	12:07	06/21/94
036355-0017-TB	SNLA016892-1	AQUEOUS	06/17/94	12:10	06/21/94

Sandia National Laboratories

SF 2001-COC (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AR/COC- 01346

PAGE 1 OF 2

Department No.:	7582	Date Samples Shipped:	~~A 44334~~ 6/20/94	Bill to:	Sandia National Laboratories
Project/Task Manager:	CHRIS AAS/ PAULA SLAVIN	Carrier/Waybill No.:	A 44334		Supplier Services Department
Project Name:	TA 3/5 - SITE 111	Lab Destination:	ENSECO/RMAL		P.O. Box 5800 MS 0154
Sample Team Members	TIM JACKSON	Lab Contact:	ELLEN LA RIVIERE		Albuquerque, NM 87185-0154
	JOHN BOYD	SMO Contact/Phone:	(505) 848-0402	Contract No.:	67-9736 B
		Send Report to SMO:	PAM PUISSANT	Case No.:	3617.300
SCL or Logbook Ref. No.:	00620	SMO Reference No.:	301455.152.02	SMO Authorization:	D. M. Layle

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
SNL/NM 016884 - 1	SOIL	6-17-94/835	GLASS	4 oz	ICE, 4°C	VOC (8240)	36355 1	GOOD
016884 - 2		1035		16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	2	
016883 - 1		1035		4 oz		VOC (8240)	3	
016883 - 2				16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	4	
016885 - 1		0950/847		4 oz		VOC (8240)	5	
016885 - 2		0950		16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)	6	
016889 - 1		1120		2 x 4 oz		VOC (8240) MS/MSD	7	MS/MSD
016889 - 2				2 x 16 oz		SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010) MS/MSD	8	MS/MSD
016890 - 1	WATER	1200		3 x 40 mL	HCL	VOC (8240)	9	
016890 - 2				2 x 1 L	ICE, 4°C	SVOC (8270)	10	
016890 - 3				2 x 1 L		EXPLOSIVE RESIDUE (8330)	11	

Possible Hazard Identification
☑ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Radiological

*Reference attached radiological screening for specific contact readings.

Turnaround Time
☑ Normal ☐ Rush _____ Required Report Date PER CONTRACT

Sample Disposal
☐ Return to Client ☑ Disposal by Lab Archive Until PER CONTRACT

Special Instructions/QC Requirements
- PLEASE FAX COPY OF RESULTS TO PAULA SLAVIN @ (505) 848-0417
- ENVIRONMENTAL SAMPLES - NO CONTAMINATION SUSPECTED
- MS/MSD = MATRIX SPIKE / MATRIX SPIKE DUPLICATE

	Org.	Date	Time		Org.	Date	Time
1. Relinquished by Tim Jackson	ITC	6-20-94	0945	4. Relinquished by			
1. Received by [illegible]	SMO ITC	6-20-94	0945	4. Received by			
2. Relinquished by [illegible]	SMO 7582	6/20/94	1500	5. Relinquished by			
2. Received by Roxanne Hager	RMAL	6/21/94	0815	5. Received by			
3. Relinquished by				6. Relinquished by			
3. Received by				6. Received by			

WHITE - To Accompany Samples, Laboratory Copy **BLUE**- To Accompany Samples, Return to SMO **YELLOW**- SMO Suspense Copy **PINK**- Field Copy

Sandia National Laboratories

SF 2001-COD (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD
(continuation)

AR/COC- 00346

PAGE 2 OF 2

Project Name: TA 3/5 - SITE 111 Project/Task Manager: CHRIS AAS / PAULA SLAVIN Case No.: 3617.300

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
016890 - 4	WATER	6-17-94/1200	POLY	500mL	HNO_3	SILVER (6010)	3635512	good
016891 - 1		1207	GLASS	3X40mL	HCL	VOC (8240)	13	
016891 - 2				2X1L	ICE, 4°C	SVOC (8270)	14	
016891 - 3				2X1L	ICE, 4°C	EXPLOSIVE RESIDUE (8330)	15	
016891 - 4			POLY	500mL	HNO_3	SILVER (6010)	16	
016892 - 1		1210	GLASS	40mL	HCL	VOC (8240) TRIP BLANK	17	
						Rec'd by [illegible] 6/21/94 0845		

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- F[illegible] Copy

Sandia National Laboratories

SF 2001-COC (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AR/COC-0[illegible]46

PAGE 1 OF 2

Department No.:	4[illegible]	Date Samples Shipped:	A-441-534 4/20/94
Project/Task Manager:	Curtis Abel Paula Slavin	Carrier/Waybill No.:	A 441 534
Project Name:	[illegible]	Lab Destination:	ENSECO/RMAL
Sample Team Members	[illegible]	Lab Contact:	ELLEN LA RIVIERE
	[illegible]	SMO Contact/Phone:	(505) 848-0402
		Send Report to SMO:	PAM PUSSANT
SCL or Logbook Ref. No.:	00620	SMO Reference No.:	301455.152 02

Bill to: Sandia National Laboratories
Supplier Services Department
P.O. Box 5800 MS 0154
Albuquerque, NM 87185-0154

Contract No.: 67-9736 3
Case No.: 3617.302
SMO Authorization: D M Daugh

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
SNL/NM 016881-1	SOIL	0[illegible]/94 1035	GLASS	4 oz	Ice, 4°C	VOC (8240)		
016881 2	↓	↓ 1035	↓	16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)		
016883 1	↓	1055	↓	4 oz	↓	VOC (8240)		
016883 - 2	↓	↓	↓	16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)		
016884 - 1	↓	0950 0947	↓	4 oz	↓	VOC (8240)		
016884 - 2	↓	0950 ↓	↓	16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010)		
016889 - 1	↓	1120	↓	2 x 4 oz	↓	VOC (8240) MS/MSD		
016889 - 2	↓	↓	↓	2 x 16 oz	↓	SVOC (8270), EXPLOSIVE RESIDUE (8330), SILVER (6010) MS/MSD		
016890 1	WATER	1200	↓	3 x 40 ml	HCl	VOC (8240)		
016890 - 2	↓	↓	↓	2 x 1 L	Ice, 4°C	SVOC (8270)		
016890 - 3	↓	↓	↓	2 x 1 L	↓	EXPLOSIVE RESIDUE (8330)		

Possible Hazard Identification
☑ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Radiological

*Reference attached radiological screening for specific contact readings.

Turnaround Time
☐ Normal ☐ Rush _____ Required Report Date Per Contract

Sample Disposal
☐ Return to Client ☐ Disposal by Lab Archive Until Per Contract

Special Instructions/QC Requirements
- [illegible] RESULTS TO PAULA SLAVIN @ (505) 848-0417
- ENVIRONMENTAL SAMPLES - NO CONTAMINATION SUSPECTED
- MS/MSD - MATRIX SPIKE / MATRIX SPIKE DUPLICATE

	Org.	Date	Time		Org.	Date	Time
1. Relinquished by [illegible]	[illegible]	[illegible]	0915	4. Relinquished by			
1. Received by [illegible]	[illegible]	[illegible]	0915	4. Received by			
2. Relinquished by [illegible]	[illegible]	[illegible]	[illegible]	5. Relinquished by			
2. Received by				5. Received by			
3. Relinquished by				6. Relinquished by			
3. Received by				6. Received by			

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

Sandia National Laboratories

SF 2001-COD (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD
(continuation)

AR/COC- [illegible]

Project Name: [illegible] Project/Task Manager: [illegible] Case No.: 3614.300

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
[illegible] - 1	[illegible]	6-17-97/[illegible]	Poly	[illegible]	[illegible]	[illegible]		
[illegible] 1		1107	GLASS	3 x 40ml	HCL	VOC (8240)		
[illegible] - 2				2 x 1L	[illegible]	SVOC (8270)		
[illegible] 3				2 x 1L	[illegible]	[illegible] (8330)		
[illegible] 4			Poly	[illegible]	[illegible]	[illegible] (8080)		
[illegible] - 1		1210	GLASS	[illegible]	HCL	[illegible] (8240) TOBAC		

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples Return to SMO YELLOW- SMO Suspense Copy PINK- F[illegible] Copy

CUSTOMER: PLEASE REMOVE ONE OF THESE LABELS AND PLACE IT ABOVE THE AIRBILL ON YOUR PACKAGE.

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SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER: 1516-4690-5
Date: 6/20/94

1 From (Your Name) Please Print: FELIX GUTIERREZ
Your Phone Number (Very Important): (505) 844-3462
Company: SANDIA LABS US/DOE
Department/Floor No.:
Street Address: 1515 EUBANK BLVD SE
City: ALBUQUERQUE State: NM ZIP Required: 87123

2 To (Recipient's Name) Please Print: ELLEN LA RIVIERE
Recipient's Phone Number (Very Important): ( )
Company: ENSECO/ROCKY MTN. ANAL. LABORATORY
Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 4955 YARROW ST. CONTRACT #67-9736B
City: ARVADA State: CO ZIP Required: 80002

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 7576/6987.200/C50070

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address:
City: State: ZIP Required:

3 PAYMENT
1 [X] Bill Sender Acct. No. Req'd
2 [ ] Bill Recipient's FedEx Acct. No. Fill in Account Number below
3 [ ] Bill 3rd Party FedEx Acct. No. Fill in Account Number below (req'd)
4 [ ] Bill Credit Card Fill in Credit Card No. below (req'd) Exp. Date
5 [ ] Cash/Check Acct./Credit Card No.

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning †)
11 [ ] YOUR PACKAGING
16 [ ] FEDEX LETTER *
12 [ ] FEDEX PAK *
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon †)
51 [ ] YOUR PACKAGING
56 [ ] FEDEX LETTER *
52 [ ] FEDEX PAK *
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
30 [ ] ECONOMY

Government Overnight (Restricted to authorized users only)
46 [ ] GOVT LETTER
41 [X] GOVT PACKAGE

Freight Service (for Extra Large or any package over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT ** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT **
† Delivery commitment may be later in some areas
*Declared Value Limit $100
**Call for delivery schedule

5 DELIVERY AND SPECIAL HANDLING (Check services required)
1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [X] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE ..... Lbs.
7 [ ] OTHER SPECIAL SERVICE
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
11 [ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES / WEIGHT in Pounds Only / YOUR DECLARED VALUE (See right)
1 68
Total 1 Total 68 Total

DIM SHIPMENT (Chargeable Weight) [ ] lbs. ___ x ___ x ___

Received At
1 [ ] Regular Stop
2 [ ] On Call Stop
3 [ ] Drop Box
4 [ ] BSC
5 [ ] Station

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details.

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Release Signature
FedEx Emp. No.
Date/Time

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 6/91
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1305083894

1305083894

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 8-4-94
CASE NO. 3617.300
PROJECT NAME TA 3/5 Site III
LABORATORY Enseco
CHECKED BY MD Garcia
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG											COCs AND RFAs				LAB REPORT												DATA QUALITY						
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
SWNM 016881-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
↓ -2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
Dup of 884 883-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
↓ -2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
884-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
↓ -2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
MS/MSD 889-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
MS/MSD ↓ -2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
TRIP BLANK SWNM 016892-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
QUALITY CONTROL SAMPLES																																		
RINSATE BLANK SWNM 016890-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	A
-2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	NA	Y	Y	Y	Y	C
-3	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A
-4	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	A

ADDITIONAL COMMENTS: ① Due to instrument failure QC samples could not be completed. Surrogates were acceptable ② QC for 8330 1,3,5-Trinitrobenzene + 4-Amino-2,6-dinitrotoluene were outside lab QC limits

VALIDATION RANKING: U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

REV. 1/91

ENVIRONMENTAL PROGRAMS DEPARTMENT

SANDIA NATIONAL LABORATORIES

SAMPLE DATA REVIEW CHECKLIST

DATE 8-4-94
CASE NO. 3617.300
PROJECT NAME TA 3/5 Site III
LABORATORY Enseco
CHECKED BY MB Garcia
APPROVAL/DATE

SAMPLE IDENTIFICATION	SAMPLE COLLECTION LOG											COCs AND RFAs					LAB REPORT													DATA QUALITY						
	SAMPLE ID	SAMPLING PURPOSE	SAMPLE LOCATION	COLLECTION DATE AND TIME	SAMPLE MATRIX	COLLECTION TECHNIQUE	SAMPLE CONTAINERS	SAMPLE PRESERVATION	FIELD OBS. AND MEAS.	SAMPLER	ANALYSES	COC RECORD COMPLETE	RFA RECORD COMPLETE	SAMPLE ID	LAB SAMPLE ID	ANALYSES REQUESTED	DATA REVIEWED	DATE SAMPLE RECEIVED	DATE SAMPLE PREPARED	DATE SAMPLE ANALYZED	HOLDING TIME MET	SAMPLE ID	LAB SAMPLE ID	ANALYST	METHOD REF. NUMBER	REPORTING LIMIT	ANALYSES REQUESTED	CONSISTENCY OF UNITS	ACCURACY DATA REPORTED AND MET	PRECISION DATA REPORTED AND MET	MATRIX SPIKE DATA REPORTED AND MET	BLANK DATA REPORTED AND MET	SURROGATE DATA REPORTED AND MET	COMPARABILITY OF UNITS	REASONABLENESS OF DATA	VALIDATION RANKING
QUALITY CONTROL SAMPLES																																				
Field Blank 016891-1	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	A
-2	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y	Y	Y	Y	A
-3	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	Y	A
-4	Y	Y	Y	Y	Y	Y	NA	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	NA	Y	Y	Y	A

ADDITIONAL COMMENTS:

VALIDATION RANKING: U - UNUSABLE DATA A - ACCEPTABLE C - CONDITIONALLY ACCEPTABLE

REV. 1/91

Sandia National Laboratories

RADIATION PROTECTION SURVEY REQUEST

Request Number	Case Number
TA-1 94-0326	
Requested By	**Phone**
Mike Gonzales	848-0404

(Number of Items 3)

Type of Survey(s) Requested:

3 cases of water + soil samples for unrestricted release, swipe survey and probe counts.

Building/Room	Org.
870B	7576
Contact (if other than requester)	**Phone**

Request Taken By	Date	Time
Stan Fitch	6/20/94	8:00 am

IMPACT: Are there any of the following conditions a consideration?
Imminent health or safety hazards, projects that are/will be delayed, off-site activities are/will be affected, process or operation suspended?

Assigned To:

Fitch

Priority (designate 1, 2, 3)

Resolution

All survey results less than limits in DOE 5400.5 Table 4-1, given unrestricted release.

Completed By	Date	Time
[signature]	6-20-94	1440

RADIOLOGICAL SURVEY FORM

Location: ER Side III, Bldg. 6715	Requestor/Dept.: P. Slavin/5582	Date: 6/17/94	Time: 1300
Purpose: Release Samples for Shipping	Request #: N/A	RWP #: N/A	

Instrument and Probe Type and Serial Number		Surveyor(s) Printed Name	Surveyor(s) Signature
ASP-1 W/HP260 #2649		Hans Olabisage	[signature]

#	Item Description	BETA-GAMMA CONTAMINATION Counting Data Attached (Yes/No) % Eff. 30 /Isotope D.U. cpm	Bkg. cpm	dpm/100 cm2 (1)	(2) T/R	ALPHA CONTAMINATION Counting Data Attached (Yes/No) % Eff. N/A /Isotope N/A cpm	Bkg. cpm	dpm/100 cm2 (1)	(2) T/R	RADIATION SURVEY Bkg. N/A mrem/hr (3)	Distance
1	Soil Samples Chain of Custody #00346	60	60	<.3305	T	N/A	N/A	N/A	N/A	N/A	N/A
2	Soil Samples C of C #00347	60	60	<.3305	T						
3	Soil Samples C of C #00345	60	60	<.3305	T						
4	Swipe of C of C #00346 Sample	60	60	<120	R						
5	Swipe of C of C #00347 Samples	60	60	<120	R						
6	Swipe of C of C #00345 Samples	60	60	<120	R	N/A	N/A	N/A	N/A	N/A	N/A

Note (1): If area other than 100 cm², record as dpm/probe, or dpm/LAW. Note (2): Total/Removable. Note (3): Indicate type, if other than gamma (i.e. n or β).

Remarks: Lc for swipes = $\left(2.32\sqrt{60cpm/.25min}\right) \div 0.3$

Reviewed by:

SHIPPER

SF 6951-AE(1-93)

Sandia National Laboratories

1 [X] New Mexico
[ ] California
[ ] Other

SHIP TO: *Typed or neatly printed*
2
Enseco Rocky Mountain Analytical Laboratory
4955 Yarrow Street
Arvada, CO 80002
Attn: Ms. Ellen La Riviere
Contract No. 67-9736B

AR/COC # 508243/00346

Gate Exit Time & Date 3:

Highest Material Security Class. 4: U

Page: 1 of 1

Date to be Returned 5: [X] No Return

Document No.: A 44334

Shipping Code 6: C

Shipment Register No. 7: 50070

Due at Destination 8: 6/21/94 (Date)

[XX] Firm (Premium transportation authorized)
[ ] Flex (Most economical transportation)

Originator of Form 9: D.L. McLaughlin | Org. 7576 | Phone 4-0941

Date Prepared 10: 6/20/94

FROM: 11 Site: TAI | Bldg.: 870B | Room: 1 | Org.: 7576

Requester's E No. 12: 03319

Requester's Name (Write "Same" if also originator): Same | Org. | Phone

Case No. 13: 6987.200 ~~4298.3000~~

Material Billing 14: [ ] Charge [X] No Charge

Freight Billing 15: [XX] Prepaid [ ] Collect *If collect, carrier & acct no. (if known)*

Reason for Shipment 16: Lab Analysis of Environmental Samples

Authority for Shipment 17: n/a

Item No. 18	Sec. Class. 19	Quantity 20	Unit 21	Haz. Mat'l. 22	Property Tag No. And/Or MID No. 23	Description 24	Unit Value 25	$ Total 26
1	U	1	EA	N/A	N/A	ENVIRONMENTAL SOIL SAMPLES	N/A	N/A

LAST ITEM

NOTED

IMPORTANT: SANDIA TRAFFIC ANALYST, PLEASE FAX COPY OF COMPLETED SHIPPER AND WAYBILL TO SMO FACILITY, FAX # 84[illegible]-4976, IMMEDIATELY UPON SHIPMENT.

6/20/94 Grand Total 27 $ 355

DOE Transportation Safeguards Div. Courier Required? 28: [ ] YES [XX] NO

Service Clerk 29: [illegible]

Property Mgmt. Rep. 30: N/H

Date Shipped or Handcarried 31: 6/22/94

Routing 32: FDEX

B/L No. 33: 1305083894

No. of Boxes 34: 7 (4)

Weight 35: 68 lbs

Total Cubic Feet/Dimensions 36: 4.4 / 30"x16"x1[illegible]

Authorizing Signature 37: Jim D. Fish, 7576
(Signature of manager above typed or printed name and Org.)
I certify that the material being offered for shipment is nonhazardous unless noted as hazardous in block 22 and required information is being provided.

Special Approval 38: Name | Org.

Special Approval: Name | Org.

39: Bearer's Signature

40 Receipt Acknowledged: Recipient's Signature/Company | Date

Contract or PEL/MEL Rep. 41: [ ] External Loan: Name | Org.

Ply 1:
Corporate File - Retained by the Traffic Organization after shipper is complete and items are ready for shipment.

The listed material and accompanying information has been examined and the hazardous material designations and all preparations for shipment are certified correct. 42
Hazardous Material Consultant

43
Packed by

Attachment 111-2

Figure 19-1: Site 111, Building 6715 Sump and Drain Pit (TA-III), Showing Proposed Soil Boring Locations for the Phase I Sampling

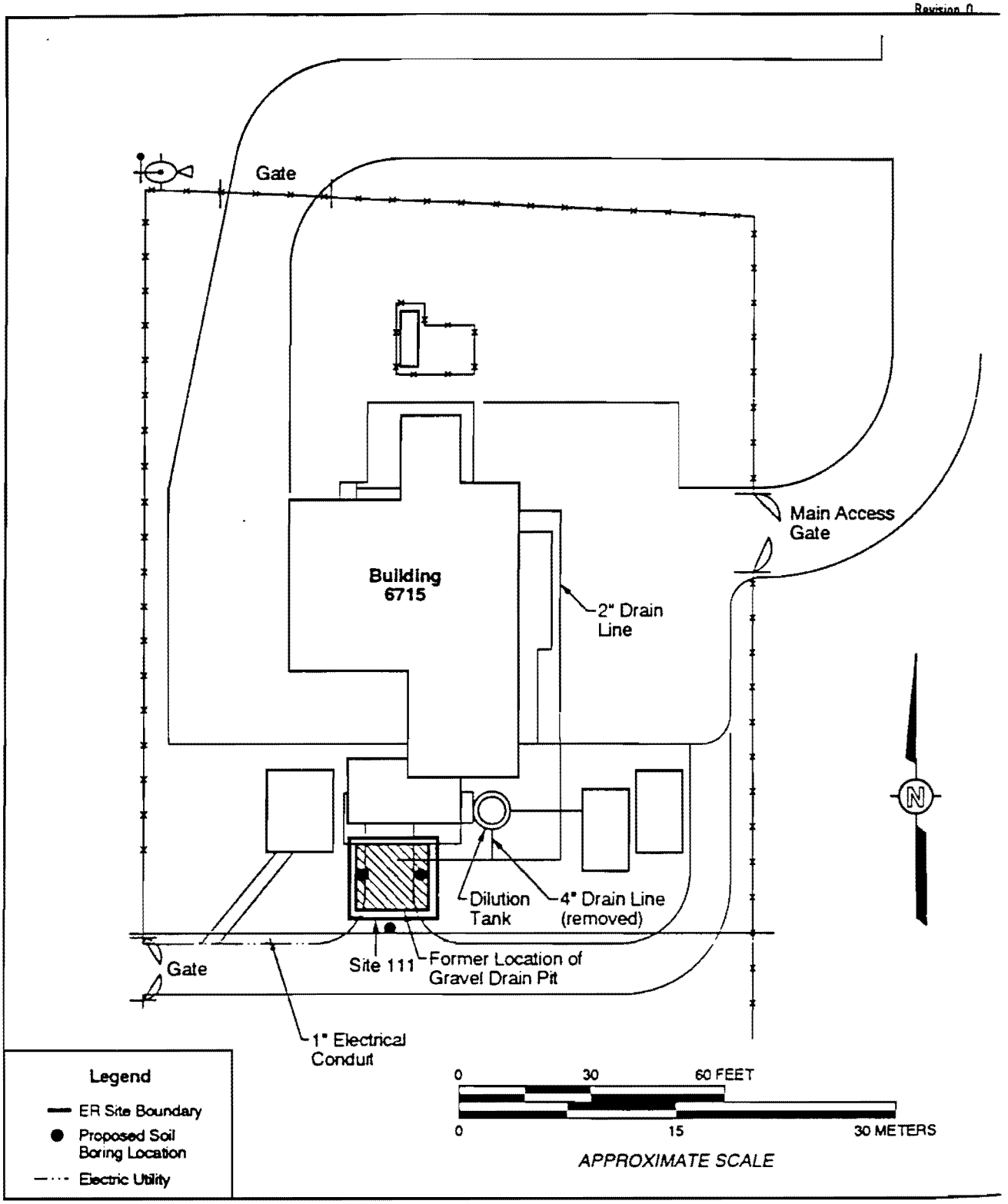
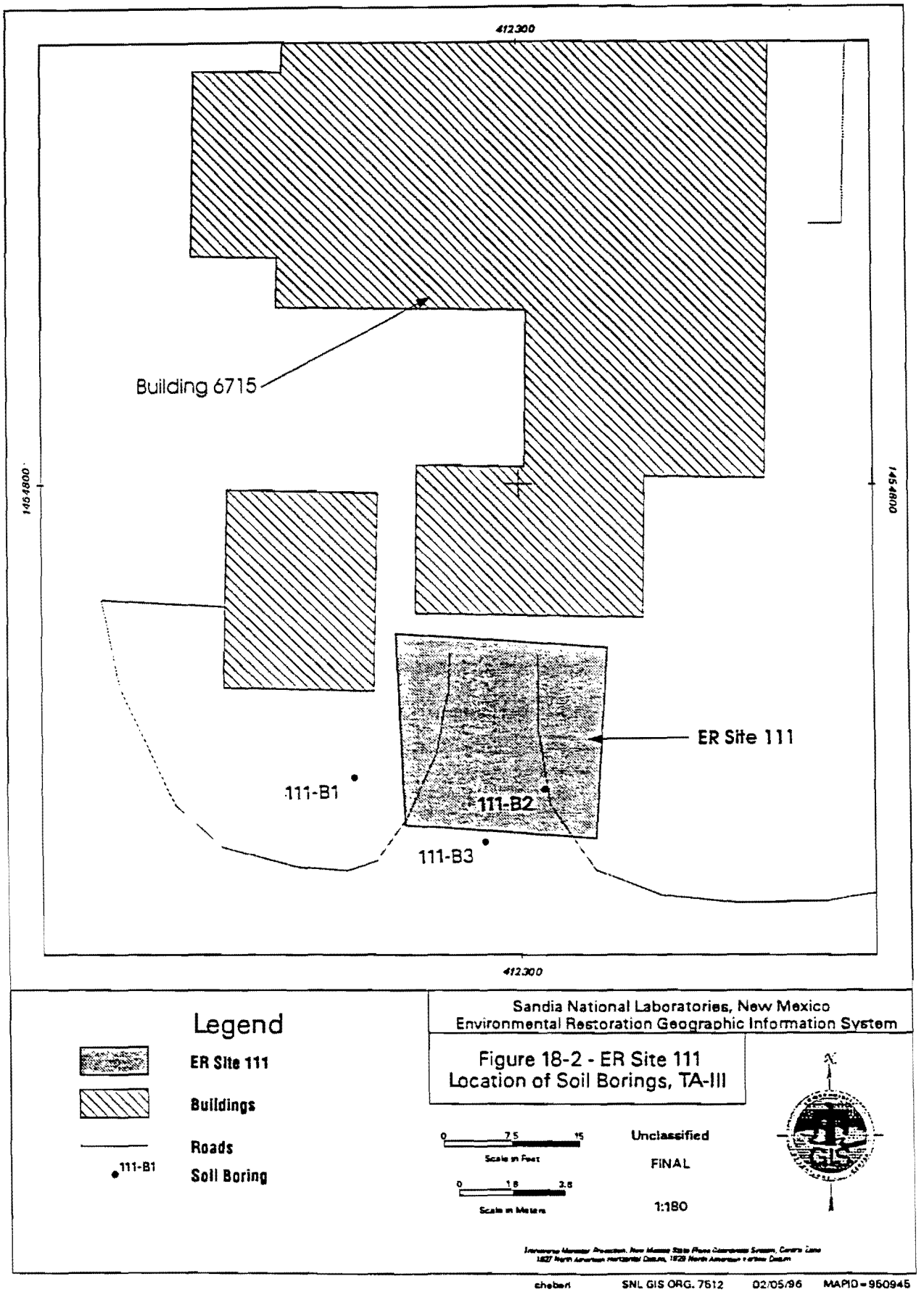


Figure 19-1

Site 111, Building 6715 Sump and Drain Pit (TA-3), Showing Proposed Soil Boring Locations for the Phase 1 Sampling


412300
Building 6715
1454800
1454800
ER Site 111
111-B1
111-B2
111-B3
412300
Legend
ER Site 111
Buildings
Roads
111-B1
Soil Boring
Sandia National Laboratories, New Mexico
Environmental Restoration Geographic Information System
Figure 18-2 - ER Site 111
Location of Soil Borings, TA-III
0 7.5 15
Scale in Feet
0 1.8 3.6
Scale in Meters
Unclassified
FINAL
1:180
N
cheberl
SNL GIS ORG. 7612
02/05/96
MAPID=960945

Attachment 196-1

Laboratory Analytical Results for ER Site 196

Laboratory QA/QC – copied from laboratory reports

ER Site 196 RFI Analytical Results; PCBs (EPA Method 8080)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1016	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1221	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1232	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1242	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1248	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1254	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130410	F	0	Aroclor 1260	8080	ug/kg	<33	U	WASTE
TA3/5-196-CISTERN	SNL0130407	F	0	TPH	3550/418	mg/kg	60500		WASTE

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Actinium-227	pCi/g	<1.82	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Actinium-228	pCi/g	.615		0.165	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Americium-241	pCi/g	<.208	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Antimony-124	pCi/g	<.0309	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Antimony-125	pCi/g	<.0795	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Antimony-126	pCi/g	<.032	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Argon-41	pCi/g	<.0647	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Barium-133	pCi/g	<.043	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Barium-140	pCi/g	<.0994	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Beryllium-7	pCi/g	3.67		0.558	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Bismuth-207	pCi/g	<.0356	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Bismuth-212	pCi/g	.505		0.308	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Bismuth-214	pCi/g	.648		0.111	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cadmium-109	pCi/g	<1.21	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cerium-139	pCi/g	<.0333	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cerium-144	pCi/g	<.241	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cesium-134	pCi/g	<.0284	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cesium-137	pCi/g	.147		0.0493	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Chromium-51	pCi/g	<.248	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cobalt-56	pCi/g	<.0492	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cobalt-57	pCi/g	<.0309	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cobalt-58	pCi/g	<.0361	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Cobalt-60	pCi/g	<.0345	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Copper-64	pCi/g	<9.6	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Europium-152	pCi/g	<.0932	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Europium-154	pCi/g	<.129	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Europium-155	pCi/g	<.154	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Gadolinium-153	pCi/g	<.0962	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Indium-115M	pCi/g	<.0761	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Iodine-125	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Iodine-129	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Iodine-131	pCi/g	<.0271	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Iridium-192	pCi/g	<.0309	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Iron-59	pCi/g	<.0659	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Lanthanum-140	pCi/g	<.0233	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Lead-210	pCi/g	6.02		4.26	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Lead-212	pCi/g	.591		0.0744	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Lead-214	pCi/g	.674		0.131	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Manganese-54	pCi/g	<.037	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Manganese-56	pCi/g	<.0776	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Mercury-203	pCi/g	<.033	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Neptunium-237	pCi/g	<.313	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Niobium-95	pCi/g	<.114	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Plutonium-239	pCi/g	<487	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Potassium-40	pCi/g	13		1.08	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Protactinium-231	pCi/g	<1.37	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Protactinium-233	pCi/g	<.0633	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Radium-226	pCi/g	2.03		0.94	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Radium-228	pCi/g	.682		0.182	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Ruthenium-103	pCi/g	<.028	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Ruthenium-106	pCi/g	<.229	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Scandium-46	pCi/g	<.0266	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Silver-110	pCi/g	<.0281	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Sodium-22	pCi/g	<.0449	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Sodium-24	pCi/g	<.0295	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Strontium-85	pCi/g	<.0286	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Tantalum-182	pCi/g	<.244	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Tellurium-123M	pCi/g	<.0311	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thallium-201	pCi/g	<.278	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thallium-208	pCi/g	.592		0.148	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-227	pCi/g	<.249	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-228	pCi/g	.589		0.0741	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-229	pCi/g	<.132	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-231	pCi/g	<.599	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-232	pCi/g	.682		0.182	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Thorium-234	pCi/g	<.85	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Tin-113	pCi/g	<.0333	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Uranium-234	pCi/g	<20	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Uranium-235	pCi/g	<.0661	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Uranium-238	pCi/g	<.847	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	enon-133,-133M	pCi/g	<.161	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Yttrium-88	pCi/g	<.0342	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Zinc-65	pCi/g	<.0823	U	999.9999	196	SOIL
TA3/5-196-SS-B1	SNL0130687	F	10-OCT-94	0	Zirconium-95	pCi/g	<.0537	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Actinium-227	pCi/g	<1.33	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Actinium-228	pCi/g	.608		0.118	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Americium-241	pCi/g	<.16	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Antimony-124	pCi/g	<.0207	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Antimony-125	pCi/g	<.0563	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Antimony-126	pCi/g	<.0166	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Argon-41	pCi/g	<.0647	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Barium-133	pCi/g	<.0285	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Barium-140	pCi/g	<.0668	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Beryllium-7	pCi/g	1.6		0.287	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Bismuth-207	pCi/g	<.026	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Bismuth-212	pCi/g	.53		0.241	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Bismuth-214	pCi/g	.6		0.0849	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cerium-139	pCi/g	<.023	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cerium-144	pCi/g	<.171	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cesium-134	pCi/g	<.0186	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cesium-137	pCi/g	.0797		0.029	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Chromium-51	pCi/g	<.192	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cobalt-56	pCi/g	<.0342	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cobalt-57	pCi/g	<.0221	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cobalt-58	pCi/g	<.0205	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Cobalt-60	pCi/g	<.0304	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Copper-64	pCi/g	<7.94	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Europium-152	pCi/g	<.0667	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Europium-154	pCi/g	<.0813	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Europium-155	pCi/g	<.109	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Gadolinium-153	pCi/g	<.0671	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Indium-115M	pCi/g	<.0659	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Iodine-125	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Iodine-129	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Iodine-131	pCi/g	<.0205	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Iridium-192	pCi/g	<.0224	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Iron-59	pCi/g	<.0454	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Lanthanum-140	pCi/g	<.0136	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Lead-210	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Lead-212	pCi/g	.671		0.0543	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Lead-214	pCi/g	.608		0.0841	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Manganese-54	pCi/g	<.0295	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Manganese-56	pCi/g	<.07	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Mercury-203	pCi/g	<.0242	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Neptunium-237	pCi/g	<.226	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Niobium-95	pCi/g	<.0813	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Plutonium-239	pCi/g	<340	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Potassium-40	pCi/g	13.3		0.861	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Protactinium-231	pCi/g	<.844	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Protactinium-233	pCi/g	<.0425	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Radium-224	pCi/g	1.7		0.926	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Radium-226	pCi/g	1.67		0.739	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Radium-228	pCi/g	.674		0.131	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Ruthenium-103	pCi/g	<.0174	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Ruthenium-106	pCi/g	<.155	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Scandium-46	pCi/g	<.0238	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Silver-110	pCi/g	<.0211	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Sodium-22	pCi/g	<.0273	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Sodium-24	pCi/g	<.0258	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Strontium-85	pCi/g	<.021	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Tantalum-182	pCi/g	<.147	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Tellurium-123M	pCi/g	<.0229	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thallium-201	pCi/g	<.186	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thallium-208	pCi/g	.557		0.131	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-227	pCi/g	<.173	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-228	pCi/g	.668		0.0541	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-229	pCi/g	<.0932	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-231	pCi/g	<.449	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-232	pCi/g	.674		0.131	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Thorium-234	pCi/g	1.85		0.637	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Tin-113	pCi/g	<.0267	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Uranium-234	pCi/g	<13.5	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Uranium-235	pCi/g	<.048	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Uranium-238	pCi/g	1.85		0.635	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	enon-133,-133M	pCi/g	<.105	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Yttrium-88	pCi/g	<.0235	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Zinc-65	pCi/g	<.0612	U	999.9999	196	SOIL
TA3/5-196-SS-B2	SNL0130688	F	10-OCT-94	0	Zirconium-95	pCi/g	<.0398	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Actinium-227	pCi/g	<2.04	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Actinium-228	pCi/g	.756		0.212	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Americium-241	pCi/g	<.224	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Antimony-124	pCi/g	<.0291	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Antimony-125	pCi/g	<.0744	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Antimony-126	pCi/g	<.0289	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Argon-41	pCi/g	<.163	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Barium-133	pCi/g	<.0395	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Barium-140	pCi/g	<.104	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Beryllium-7	pCi/g	2.72		0.487	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Bismuth-207	pCi/g	<.0412	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Bismuth-212	pCi/g	.84		0.384	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Bismuth-214	pCi/g	.548		0.104	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cadmium-109	pCi/g	<1.15	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cerium-139	pCi/g	<.0325	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cerium-144	pCi/g	<.251	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cesium-134	pCi/g	<.0309	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cesium-137	pCi/g	.0974		0.0568	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Chromium-51	pCi/g	<.261	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cobalt-56	pCi/g	<.0581	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cobalt-57	pCi/g	<.0331	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cobalt-58	pCi/g	<.033	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Cobalt-60	pCi/g	<.0491	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Copper-64	pCi/g	<12	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Europium-152	pCi/g	<.0996	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Europium-154	pCi/g	<.119	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Europium-155	pCi/g	<.147	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Gadolinium-153	pCi/g	<.0981	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Indium-115M	pCi/g	<.112	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Iodine-125	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Iodine-129	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Iodine-131	pCi/g	<.0311	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Iridium-192	pCi/g	<.0316	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Iron-59	pCi/g	<.0583	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Lanthanum-140	pCi/g	<.0325	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Lead-210	pCi/g	<0	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Lead-212	pCi/g	.654		0.0773	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Lead-214	pCi/g	.575		0.136	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Manganese-54	pCi/g	<.0332	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Manganese-56	pCi/g	<.159	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Mercury-203	pCi/g	<.0341	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Neptunium-237	pCi/g	<.308	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Niobium-95	pCi/g	<.115	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Plutonium-239	pCi/g	<476	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results; Gamma Spectroscopy

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	ER Site	Material Description
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Potassium-40	pCi/g	12		1.11	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Protactinium-231	pCi/g	<1.27	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Protactinium-233	pCi/g	<.0679	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Radium-224	pCi/g	1.1		1.11	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Radium-226	pCi/g	1.06		1.09	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Radium-228	pCi/g	.838		0.235	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Ruthenium-103	pCi/g	<.0301	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Ruthenium-106	pCi/g	<.236	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Scandium-46	pCi/g	<.0304	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Silver-110	pCi/g	<.0281	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Sodium-22	pCi/g	<.0326	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Sodium-24	pCi/g	<.0267	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Strontium-85	pCi/g	<.0272	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Tantalum-182	pCi/g	<.264	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Tellurium-123M	pCi/g	<.0327	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thallium-201	pCi/g	<.289	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thallium-208	pCi/g	.523		0.172	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-227	pCi/g	<.239	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-228	pCi/g	.651		0.077	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-229	pCi/g	<.139	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-231	pCi/g	<.602	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-232	pCi/g	.838		0.235	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Thorium-234	pCi/g	<.859	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Tin-113	pCi/g	<.0417	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Uranium-234	pCi/g	<18.5	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Uranium-235	pCi/g	<.0654	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Uranium-238	pCi/g	<.856	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	enon-133,-133M	pCi/g	<.172	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Yttrium-88	pCi/g	<.037	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Zinc-65	pCi/g	<.0674	U	999.9999	196	SOIL
TA3/5-196-SS-B3	SNL0130689	F	10-OCT-94	0	Zirconium-95	pCi/g	<.0637	U	999.9999	196	SOIL

ER Site 196 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Antimony	6010	mg/kg	<6	U	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Arsenic	6010	mg/kg	.56	J	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Barium	6010	mg/kg	87.3		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Beryllium	6010	mg/kg	.25		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Cadmium	6010	mg/kg	2.5		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Calcium	6010	mg/kg	14700		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Chromium	6010	mg/kg	14.8		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Cobalt	6010	mg/kg	5.8		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Copper	6010	mg/kg	213		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Iron	6010	mg/kg	8750		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Lead	6010	mg/kg	180		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Magnesium	6010	mg/kg	2640		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Manganese	6010	mg/kg	111		WASTE
TA3/5-196-CISTERN	SNL0130409	F	27-JUN-94	0	Mercury	7471	mg/kg	<.1	U	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Nickel	6010	mg/kg	17.8		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Potassium	6010	mg/kg	859		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Selenium	6010	mg/kg	<.5	U	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Silver	6010	mg/kg	2.9		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Sodium	6010	mg/kg	144	J	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Thallium	6010	mg/kg	<1	U	WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Vanadium	6010	mg/kg	13.8		WASTE
TA3/5-196-CISTERN	SNL0130408	F	27-JUN-94	0	Zinc	6010	mg/kg	458	B	WASTE
TA3/5-196-RO-1	030375-01	F	23-MAY-95		Lead	T-6010	mg/L	<.1	U	SOIL
TA3/5-196-RO-2	030675-01	F	23-MAY-95		Lead	T-6010	mg/L	<.25	U	SOIL

Sandia National Laboratories SNL/NM 016479 SNL/NM 016480

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00624

AR/COC No.: AR/COC- 0035 0

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SF 2001-SCL (12-93)

GENERAL INFORMATION	DATE: 6-27-94	WEATHER: CLEAR 80-90	SAMPLING INFORMATION	ON-SITE CONTACT: PAULA SLAVIN	ORG. 7582	PHONE 848-0334
	SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP			AREA: TA 5	LOCATION: SITE 196 - Bldg 6597 CISTERN	
	PURPOSE OF SAMPLING: PHASE I RFI					

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☑ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☐ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☑ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER CISTERN

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	VOC (8240)	PCBs (8080)	TPH (418.1)	TAL METALS (6010/7000)				
016479-1	1035	SITE 196 - CISTERN	soil sediment, oil odor, DK BROWN	G	N	X							
016479-2	1035	↓ ↓	oily SAND	G	N		X	X	X				
016480-1	1045	N/A	TRIP BLANK HAS AIR BUBBLE WATER MATRIX	NA	Y	X							
		LAST LINE											

PROJECT	PROJECT NAME: TA 3/5 - SITE 196	CASE NUMBER: 3617.300	PROJECT CONTACT: PAULA SLAVIN	ORG. 7582	PHONE 848-0334
*ADDITIONAL INFORMATION: (Log Book Ref. #)	PROJECT No: 301455.152.02				

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
	1. Tim Jackson	Tim Jackson	TJ	IT CORP
	2. NELSON CAPITAN	[illegible]	NC	SNL/NM 7584
	3.			

SAMPLE TRACKING			
	SAMPLE DISTRIBUTION: ENSECO/LMAL	TRANSPORTED BY: A44337	SPECIAL HANDLING:
	DATE SHIPPED (MM-DD-YY): 6/27/94	DATA ENTERED (MM-DD-YY): 6/29/94	BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SNL/NM 016476 SNL/NM 016478 SNL/NM 016477

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00621

AR/COC No.: AR/COC ~~A0347~~ 00350

PAGE 1 OF 1

SF 2001-SCL (12-93)

GENERAL INFORMATION	DATE: 6-27-94	WEATHER: CLEAR 80-90	SAMPLING INFORMATION	ON-SITE CONTACT: PAULA SLAVIN	ORG.: 7582	PHONE: 848-0334
	SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP			AREA: TA 3	LOCATION: SITE 241 - SALAGE TARP	
	PURPOSE OF SAMPLING: PHASE I RFI					

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	Explosive Residue (8330)							
016476-1	0925	241-SS-02	SURFACE SAMPLE	G	N	X							
016477-1	0926	↓ ↓ - 10	↓	G	N	X							
016478-1	0927	↓ ↓ - 15	↓	G	N	X							
		LAST LINE											

PROJECT	PROJECT NAME: TA 3/5 - SITE 241	CASE NUMBER: 3617.300	PROJECT CONTACT: PAULA SLAVIN	ORG.: 7582	PHONE: 848-0334

*ADDITIONAL INFORMATION: RESAMPLE FOR EXPLOSIVE RESIDUE

(Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
	1. TIM JACKSON	Tim Jackson	TJ	IT CORP
	2. NELSON CAPITAN	[illegible]	NC	SNL/NM 7584
	3.			

SAMPLE TRACKING			
	SAMPLE DISTRIBUTION: ENSECO/RMAL	TRANSPORTED BY: A44337	SPECIAL HANDLING:
	DATE SHIPPED (MM-DD-YY): 6-27-94	DATA ENTERED (MM-DD-YY):	BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

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Enseco

RECEIVED
AUG 02 1994
SNL/SMO

July 29, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for three soil samples, two sludge samples and one aqueous sample received at Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) on June 28, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

Quanterra #036545

DATA REVIEWED
By: Date: 8/20/94
Checked:
Approved:

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA ENVIRONMENTAL SERVICES, DENVER

PROJECT NUMBER 036545

JULY 29, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 28, 1994, Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) received three soil samples, two sludge samples and one aqueous sample from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The explosives analyses were performed at Quanterra Environmental Services located in West Sacramento, California.

Quanterra sample 036545-0005-SA had low Method 8080 decachlorobiphenyl surrogate recovery due to matrix interferences.

Metals Data Review

The Method 6010 QC lot 20 JUL 94-9D shows zinc preparation blank contamination. Because the concentration of zinc detected in Quanterra sample 036545-0005-SA was greater than ten times the concentration detected in the blank, no further action was required and the data was accepted.

Wet Chemistry Data Review

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits have been adjusted relative to the dilution required. Quanterra sample 036545-0005-SA was analyzed at a dilution for total petroleum hydrocarbon analysis due to the concentration of the target analyte present in the sample.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra Environmental Services, Denver is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

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SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036545-0001-SA	SNL/NM016476-1	SOIL	27 JUN 94	09:25	28 JUN 94
036545-0002-SA	SNL/NM016477-1	SOIL	27 JUN 94	09:26	28 JUN 94
036545-0003-SA	SNL/NM016478-1	SOIL	27 JUN 94	09:27	28 JUN 94
036545-0004-SA	SNL/NM016479-1	WASTE	27 JUN 94	10:35	28 JUN 94
036545-0005-SA	SNL/NM016479-2	WASTE	27 JUN 94	10:35	28 JUN 94
036545-0006-TB	SNL/NM016480-1	AQUEOUS	27 JUN 94	10:45	28 JUN 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036545	Group Code	Analysis Description	Custom Test?
0001 - 0003	A	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0004	B	TCL Volatile Organics	Y
		Prep - Prelim. GC Screen for Volatile Organics	N
0005	C	Prep - PCBs by GC	N
		TAL Metals done by ICP	N
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		PCBs	N
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
		Total Petroleum Hydrocarbons (TPH), IR	N
0006	D	Volatile Organics	Y
		Target Compound List (TCL)	Y
		Screen - Volatile Organics	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Quanterra reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

Quanterra's QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

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QC LOT ASSIGNMENT REPORT
olatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036545-0004-SA	SOIL	8240-S	08 JUL 94-A	08 JUL 94-A
036545-0006-TB	AQUEOUS	624-A	08 JUL 94-L	08 JUL 94-L

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8240-S Matrix: SOIL QC Lot: 08 JUL 94-A Concentration Units: ug/kg								
1,1-Dichloroethene	5000	4320	4810	4560	91	44-148	11	17
Trichloroethene	5000	4790	4960	4880	98	71-134	3.5	13
Benzene	5000	4810	5190	5000	100	64-128	7.6	12
Toluene	5000	4600	4770	4680	94	66-123	3.6	13
Chlorobenzene	5000	4700	5040	4870	97	74-131	7.0	12
Category: 624-A Matrix: AQUEOUS QC Lot: 08 JUL 94-L Concentration Units: ug/L								
1,1-Dichloroethene	50.0	45.7	41.7	43.7	87	74-124	9.2	17
Trichloroethene	50.0	45.7	42.8	44.2	89	77-119	6.6	13
Benzene	50.0	43.9	41.0	42.4	85	80-117	6.8	12
Toluene	50.0	42.0	40.5	41.2	83	80-119	3.6	11
Chlorobenzene	50.0	44.2	41.2	42.7	85	81-120	7.0	1[illegible]

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Category: 8240-S				
Matrix: SOIL				
QC Lot: 08 JUL 94-A QC Run: 08 JUL 94-A				
Concentration Units: ug/kg				
1,2-Dichloroethane-d4	5000	5200	104	70-121
4-Bromofluorobenzene	5000	4650	93	77-121
Toluene-d8	5000	5030	101	81-117
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 08 JUL 94-L QC Run: 08 JUL 94-L				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	46.4	93	85-111
4-Bromofluorobenzene	50.0	49.4	99	86-110
Toluene-d8	50.0	48.7	97	91-110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Volatile Organics by GC/MS

Test: 8240-TCL-W
Matrix: WASTE
QC Lot: 08 JUL 94-A QC Run: 08 JUL 94-A

Analyte	Result	Units	Reporting Limit	
Chloromethane	ND	mg/kg	1.0	
Bromomethane	ND	mg/kg	1.0	
Vinyl chloride	ND	mg/kg	1.0	
Chloroethane	ND	mg/kg	1.0	
Methylene chloride	0.26	mg/kg	0.50	J
Acetone	ND	mg/kg	1.0	
Carbon disulfide	ND	mg/kg	0.50	
1,1-Dichloroethene	ND	mg/kg	0.50	
1,1-Dichloroethane	ND	mg/kg	0.50	
1,2-Dichloroethene (cis/trans)	ND	mg/kg	0.50	
Chloroform	ND	mg/kg	0.50	
1,2-Dichloroethane	ND	mg/kg	0.50	
2-Butanone	ND	mg/kg	1.0	
1,1,1-Trichloroethane	ND	mg/kg	0.50	
Carbon tetrachloride	ND	mg/kg	0.50	
Vinyl acetate	ND	mg/kg	1.0	
Bromodichloromethane	ND	mg/kg	0.50	
1,2-Dichloropropane	ND	mg/kg	0.50	
cis-1,3-Dichloropropene	ND	mg/kg	0.50	
Trichloroethene	ND	mg/kg	0.50	
Dibromochloromethane	ND	mg/kg	0.50	
1,1,2-Trichloroethane	ND	mg/kg	0.50	
Benzene	ND	mg/kg	0.50	
trans-1,3-Dichloropropene	ND	mg/kg	0.50	
Bromoform	ND	mg/kg	0.50	
4-Methyl-2-pentanone	ND	mg/kg	1.0	
2-Hexanone	ND	mg/kg	1.0	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.50	
Tetrachloroethene	ND	mg/kg	0.50	
Toluene	ND	mg/kg	0.50	
Chlorobenzene	ND	mg/kg	0.50	
Ethylbenzene	ND	mg/kg	0.50	
Styrene	ND	mg/kg	0.50	
Xylenes (total)	ND	mg/kg	0.50	
Dichlorodifluoromethane	ND	mg/kg	2.0	
Trichlorofluoromethane	ND	mg/kg	0.50	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.50	

J = Result is detected below the reporting limit or is an estimated concentration.

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Test: 8240CP-TCL-AP
Matrix: AQUEOUS
QC Lot: 08 JUL 94-L QC Run: 08 JUL 94-L

Analyte	Result	Units	Reporting Limit	
Acetone	ND	ug/L	10	
Benzene	ND	ug/L	5.0	
Bromodichloromethane	ND	ug/L	5.0	
Bromoform	ND	ug/L	5.0	
Bromomethane	ND	ug/L	10	
2-Butanone (MEK)	ND	ug/L	10	
Carbon disulfide	ND	ug/L	5.0	
Carbon tetrachloride	ND	ug/L	5.0	
Chlorobenzene	ND	ug/L	5.0	
Chloroethane	ND	ug/L	10	
Chloroform	ND	ug/L	5.0	
Chloromethane	ND	ug/L	10	
Dibromochloromethane	ND	ug/L	5.0	
1,1-Dichloroethane	ND	ug/L	5.0	
1,2-Dichloroethane	ND	ug/L	5.0	
1,1-Dichloroethene	ND	ug/L	5.0	
1,2-Dichloroethene (total)	ND	ug/L	5.0	
2-Dichloropropane	ND	ug/L	5.0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	
trans-1,3-Dichloropropene	ND	ug/L	5.0	
Ethylbenzene	ND	ug/L	5.0	
2-Hexanone	ND	ug/L	10	
Methylene chloride	2.5	ug/L	5.0	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	
Styrene	ND	ug/L	5.0	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	
Tetrachloroethene	ND	ug/L	5.0	
Toluene	ND	ug/L	5.0	
1,1,1-Trichloroethane	ND	ug/L	5.0	
1,1,2-Trichloroethane	ND	ug/L	5.0	
Trichloroethene	ND	ug/L	5.0	
Vinyl acetate	ND	ug/L	10	
Vinyl chloride	ND	ug/L	10	
Xylenes (total)	ND	ug/L	5.0	
Dichlorodifluoromethane	ND	ug/L	20	
Trichlorofluoromethane	ND	ug/L	5.0	
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	5.0	

J = Result is detected below the reporting limit or is an estimated concentration.

Enseco

QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036545-0001-SA	SOIL	8330-LL-S	06 JUL 94-7A	06 JUL 94-7A
036545-0002-SA	SOIL	8330-LL-S	06 JUL 94-7A	06 JUL 94-7A
036545-0003-SA	SOIL	8330-LL-S	06 JUL 94-7A	06 JUL 94-7A

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 06 JUL 94-7A								
Concentration Units: ug/g								
HMX	1.00	0.894	0.940	0.917	92	82-153	5.0	10
RDX	1.00	0.835	0.873	0.854	85	62-176	4.4	17
1,3,5-Trinitrobenzene	1.00	0.686	0.724	0.705	71	60-149	5.4	19
1,3-Dinitrobenzene	1.00	0.867	0.900	0.884	88	73-145	3.7	10
Tetryl	1.00	0.282	0.287	0.284	28	1-115	1.8	50
Nitrobenzene	1.00	0.882	0.887	0.884	88	73-135	0.6	10
2,4,6-Trinitrotoluene	1.00	0.965	0.993	0.979	98	1-160	2.9	15
4-Amino-2,6-dinitrotoluene	1.00	0.954	0.963	0.958	96	84-181	0.9	22
2-Amino-4,6-dinitrotoluene	1.00	0.927	0.957	0.942	94	82-140	3.2	14
2,6-Dinitrotoluene	1.00	0.851	0.868	0.860	86	85-120	2.0	10
2,4-Dinitrotoluene	1.00	0.967	0.995	0.981	98	78-133	2.9	10
2-Nitrotoluene	1.00	0.928	0.909	0.918	92	81-126	2.1	10
4-Nitrotoluene	1.00	0.913	0.875	0.894	89	79-125	4.3	10
3-Nitrotoluene	1.00	0.851	0.851	0.851	85	78-131	0.0	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Organics by Chromatography

Test: 8330-COE-LL-S
Matrix: SOIL
QC Lot: 06 JUL 94-7A QC Run: 06 JUL 94-7A

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

Enseco

QC LOT ASSIGNMENT REPORT
`emivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036545-0005-SA	SOIL	PCB-S	30 JUN 94-N1	30 JUN 94-N1

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PCB-S								
Matrix: SOIL								
QC Lot: 30 JUN 94-N1								
Concentration Units: ug/kg								
Aroclor 1254	33.3	34.2	29.1	31.6	95	49-130	16	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-SAN-S			
Matrix: WASTE			
QC Lot: 30 JUN 94-N1 QC Run: 30 JUN 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33

Enseco

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036545-0005-SA	SOIL	ICP-S	20 JUL 94-9D	20 JUL 94-9D
036545-0005-SA	SOIL	ICP-TRA-S	20 JUL 94-9D	20 JUL 94-9D
036545-0005-SA	SOIL	HG-CVAA-S	20 JUL 94-9A	20 JUL 94-9A

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 20 JUL 94-9D								
Concentration Units: mg/kg								
Aluminum	200	189	191	190	95	80-120	1.3	20
Antimony	50	49.7	51.5	50.6	101	80-120	3.7	20
Arsenic	50	46.4	47.4	46.9	94	80-120	2.3	20
Barium	200	189	190	189	95	80-120	0.4	20
Beryllium	5.0	4.93	5.02	4.97	99	80-120	1.8	20
Cadmium	5.0	4.59	4.72	4.66	93	80-120	2.7	20
Calcium	10000	9560	9630	9600	96	80-120	0.8	20
Chromium	20	19.6	19.4	19.5	98	80-120	1.0	20
Cobalt	50	48.7	48.7	48.7	97	80-120	0.0	20
Copper	25	24.3	25.0	24.6	99	80-120	2.6	20
Iron	100	90.4	90.9	90.7	91	80-120	0.6	20
Lead	50	47.6	46.9	47.2	94	80-120	1.5	20
Magnesium	5000	4850	4920	4890	98	80-120	1.3	20
Manganese	50	48.8	49.3	49.1	98	80-120	1.0	20
Nickel	50	47.1	47.5	47.3	95	80-120	0.8	20
Potassium	5000	4440	4540	4490	90	80-120	2.2	20
Silver	5	4.74	4.82	4.78	96	80-120	1.8	20
Sodium	10000	9830	9990	9910	99	80-120	1.6	20
Vanadium	50	46.3	46.6	46.5	93	80-120	0.5	20
Zinc	50	46.3	47.4	46.9	94	80-120	2.3	20
Category: ICP-TRA-S								
Matrix: SOIL								
QC Lot: 20 JUL 94-9D								
Concentration Units: mg/kg								
Antimony	50.0	53.4	54.4	53.9	108	80-120	1.8	20
Arsenic	50.0	51.8	52.6	52.2	104	80-120	1.6	20
Cadmium	5.00	5.79	5.89	5.84	117	80-120	1.8	20
Lead	50.0	55.7	57.1	56.4	113	80-120	2.4	20
Selenium	50.0	48.7	49.0	48.8	98	80-120	0.5	20
Thallium	50.0	57.4	58.2	57.8	116	80-120	1.4	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: HG-CVAA-S								
Matrix: SOIL								
QC Lot: 20 JUL 94-9A								
Concentration Units: mg/kg								
Mercury	0.50	0.484	0.431	0.457	91	75-125	11	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-TAL-W			
Matrix: WASTE			
QC Lot: 20 JUL 94-9D QC Run: 20 JUL 94-9D			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	2.7	mg/kg	2.0
Test: ICP-TRACE-W			
Matrix: WASTE			
QC Lot: 20 JUL 94-9D QC Run: 20 JUL 94-9D			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: WASTE			
QC Lot: 20 JUL 94-9A QC Run: 20 JUL 94-9A			
Mercury	ND	mg/kg	0.10

Enseco

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036545-0005-SA	SOIL	TPH-IR-S	06 JUL 94-6A	06 JUL 94-6A

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DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: TPH-IR-S								
Matrix: SOIL								
QC Lot: 06 JUL 94-6A								
Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1450	1390	1410	1400	97	75-123	1.1	17

Calculations are performed before rounding to avoid round-off errors in calculated results.

Enseco

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-W			
Matrix: WASTE			
QC Lot: 06 JUL 94-6A QC Run: 06 JUL 94-6A			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0

Attachment 240-1

Laboratory Analytical Results for ER Site 240

Laboratory QA/QC – copied from laboratory reports

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-01-C	SNL0130247	F	13-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-03-C	SNL0130249	F	13-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-04-C	SNL0130251	F	13-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05-C	SNL0130253	F	13-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-05D-C	SNL0130255	D	13-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19A	SNL0130293	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F	SNL0130297	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-19F-D	SNL0130301	D	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21B	SNL0130305	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-21D	SNL0130309	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24B	SNL0130313	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-24F	SNL0130317	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25A	SNL0130321	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-25E	SNL0130325	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-26E	SNL0130329	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27B	SNL0130333	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-27F	SNL0130337	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-29C	SNL0130341	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-30E	SNL0130345	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31A	SNL0130349	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-31E	SNL0130353	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33B	SNL0130357	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-33D	SNL0130361	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34B	SNL0130365	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F	SNL0130369	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-34F-D	SNL0130373	D	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-35C	SNL0130377	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-36D	SNL0130381	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-37F	SNL0130385	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C	SNL0130389	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38C-D	SNL0130393	D	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	2,4-Dinitrotoluene	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Dinitrobenzene, 1,3-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Dinitrotoluene, 2,6-	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	HMX	mg/kg	<2.2	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Nitro-benzene	mg/kg	<.26	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Nitrotoluene, m-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Nitrotoluene, o-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Nitrotoluene, p-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	RDX	mg/kg	<1	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Tetryl	mg/kg	<.65	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Trinitrobenzene, 1,3,5-	mg/kg	<.25	U	SOIL
TA3/5-240-SS-38F	SNL0130397	F	22-JUN-94	0	Trinitrotoluene, 2,4,6-	mg/kg	<.25	U	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; HE (EPA Method 8080; HPLC)

ER Sample ID	Sample Number	Sample Type	Sample Date	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Material Description
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	2,4-Dinitrotoluene	ug/L	<.02	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Amino-2,6-dinitrotoluene, 4-	ug/L	<.06	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Amino-4,6-dinitrotoluene, 2-	ug/L	<.035	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Dinitrobenzene, 1,3-	ug/L	<.11	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Dinitrotoluene, 2,6-	ug/L	<.31	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	HMX	ug/L	<.8	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Nitro-benzene	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Nitrotoluene, m-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Nitrotoluene, o-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Nitrotoluene, p-	ug/L	<.25	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	RDX	ug/L	<.84	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Tetryl	ug/L	<.8	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Trinitrobenzene, 1,3,5-	ug/L	<.26	U	WATER
TA3/5-240-FBA	SNL0130399	FB	22-JUN-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER
TA3/5-240-FBA	SNL0130264	FB	13-JUN-94	0	Trinitrotoluene, 2,4,6-	ug/L	<.11	U	WATER

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E112 SS	SNL0150011	F	0	Actinium-227	pCi/g	<.841	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Actinium-228	pCi/g	.638		0.11	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Americium-241	pCi/g	<.0428	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Antimony-124	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Antimony-125	pCi/g	<.0392	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Antimony-126	pCi/g	<.0181	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Barium-133	pCi/g	<.0181	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Barium-140	pCi/g	<.052	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Beryllium-7	pCi/g	<.129	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Bismuth-207	pCi/g	<.0131	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Bismuth-212	pCi/g	.497		0.189	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Bismuth-214	pCi/g	.457		0.0579	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cadmium-109	pCi/g	<.455	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cerium-139	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cerium-144	pCi/g	<.115	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cesium-134	pCi/g	<.0151	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cesium-137	pCi/g	<.0164	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Chromium-51	pCi/g	<.127	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cobalt-56	pCi/g	<.0175	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cobalt-57	pCi/g	<.0144	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cobalt-58	pCi/g	<.013	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Cobalt-60	pCi/g	<.0246	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Copper-64	pCi/g	<90.3	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Europium-152	pCi/g	<.0431	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Europium-154	pCi/g	<.068	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Europium-155	pCi/g	<.0578	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Gadolinium-153	pCi/g	<.0359	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Iodine-131	pCi/g	<.0167	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Iridium-192	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Iron-59	pCi/g	<.0351	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Lanthanum-140	pCi/g	<.0314	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Lead-210	pCi/g	.833		0.429	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Lead-212	pCi/g	.623		0.0421	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Lead-214	pCi/g	.549		0.0744	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Manganese-54	pCi/g	<.0136	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Mercury-203	pCi/g	<.017	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Niobium-95	pCi/g	<.075	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Potassium-40	pCi/g	13.1		0.609	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Protactinium-231	pCi/g	<.594	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Protactinium-233	pCi/g	<.032	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Radium-224	pCi/g	<.611	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Radium-226	pCi/g	.428		0.167	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Radium-228	pCi/g	.707		0.122	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Ruthenium-103	pCi/g	<.0135	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Ruthenium-106	pCi/g	<.14	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Scandium-46	pCi/g	<.0171	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Silver-110	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Sodium-22	pCi/g	<.0201	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Sodium-24	pCi/g	<.153	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Strontium-85	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Tantalum-182	pCi/g	<.142	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thallium-201	pCi/g	<.188	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thallium-208	pCi/g	.654		0.0907	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-227	pCi/g	<.118	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-228	pCi/g	.62		0.0419	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-229	pCi/g	<.0627	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-231	pCi/g	<.18	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-232	pCi/g	.707		0.122	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Thorium-234	pCi/g	.52		0.277	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Tin-113	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Uranium-234	pCi/g	<2.25	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Uranium-235	pCi/g	<.0294	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Uranium-238	pCi/g	.519		0.277	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Xenon-133,-133M	pCi/g	<.0497	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Yttrium-88	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Zinc-65	pCi/g	<.0432	U	999.9999	SOIL
TA3/5-240E112 SS	SNL0150011	F	0	Zirconium-95	pCi/g	<.0267	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Actinium-227	pCi/g	<.903	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Actinium-228	pCi/g	.742		0.116	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Americium-241	pCi/g	<.0476	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Antimony-124	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Antimony-125	pCi/g	<.0438	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Antimony-126	pCi/g	<.0191	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Barium-133	pCi/g	<.021	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Barium-140	pCi/g	<.0643	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Beryllium-7	pCi/g	<.142	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Bismuth-207	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Bismuth-212	pCi/g	.537		0.204	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Bismuth-214	pCi/g	.486		0.0736	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cadmium-109	pCi/g	<.506	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cerium-139	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cerium-144	pCi/g	<.117	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cesium-134	pCi/g	<.0164	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cesium-137	pCi/g	.0489		0.0209	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Chromium-51	pCi/g	<.142	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cobalt-56	pCi/g	<.0194	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cobalt-57	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cobalt-58	pCi/g	<.0162	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Cobalt-60	pCi/g	<.0266	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Copper-64	pCi/g	<97.8	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Europium-152	pCi/g	<.0454	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Europium-154	pCi/g	<.0719	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Europium-155	pCi/g	<.0639	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Gadolinium-153	pCi/g	<.0387	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Iodine-131	pCi/g	<.0194	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Iridium-192	pCi/g	<.0145	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Iron-59	pCi/g	<.0373	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Lanthanum-140	pCi/g	<.0376	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Lead-210	pCi/g	.605		0.481	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Lead-212	pCi/g	.745		0.0517	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Lead-214	pCi/g	.561		0.0546	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Manganese-54	pCi/g	<.0176	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Mercury-203	pCi/g	<.019	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Niobium-95	pCi/g	<.0893	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Potassium-40	pCi/g	13.2		0.692	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Protactinium-231	pCi/g	<.722	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E46 SS	SNL0150012	F	0	Protactinium-233	pCi/g	<.0348	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Radium-226	pCi/g	.452		0.195	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Radium-228	pCi/g	.823		0.129	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Ruthenium-103	pCi/g	<.0148	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Ruthenium-106	pCi/g	<.158	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Scandium-46	pCi/g	<.0187	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Silver-110	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Sodium-22	pCi/g	<.0222	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Sodium-24	pCi/g	<.179	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Strontium-85	pCi/g	<.0165	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Tantalum-182	pCi/g	<.161	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thallium-201	pCi/g	<.203	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thallium-208	pCi/g	.577		0.0994	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-227	pCi/g	<.138	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-228	pCi/g	.742		0.0514	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-229	pCi/g	<.0681	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-231	pCi/g	<.202	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-232	pCi/g	.823		0.129	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Thorium-234	pCi/g	.802		0.316	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Tin-113	pCi/g	<.0199	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Uranium-234	pCi/g	<2.46	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Uranium-235	pCi/g	<.0325	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Uranium-238	pCi/g	.8		0.315	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Xenon-133,-133M	pCi/g	<.0522	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Yttrium-88	pCi/g	<.0191	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Zinc-65	pCi/g	<.047	U	999.9999	SOIL
TA3/5-240E46 SS	SNL0150012	F	0	Zirconium-95	pCi/g	<.0301	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Actinium-227	pCi/g	<.864	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Actinium-228	pCi/g	1.26		0.132	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Americium-241	pCi/g	<.094	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Antimony-124	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Antimony-125	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Antimony-126	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Barium-133	pCi/g	<.0199	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Barium-140	pCi/g	<.0483	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Beryllium-7	pCi/g	.967		0.184	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Bismuth-212	pCi/g	.814		0.245	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Bismuth-214	pCi/g	.431		0.0618	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cerium-139	pCi/g	<.0159	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cerium-144	pCi/g	<.0907	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cesium-134	pCi/g	<.0123	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cesium-137	pCi/g	.0559		0.0232	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Chromium-51	pCi/g	<.125	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cobalt-56	pCi/g	<.0236	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cobalt-57	pCi/g	<.0112	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cobalt-58	pCi/g	<.014	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Cobalt-60	pCi/g	<.023	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Copper-64	pCi/g	<32.2	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Europium-152	pCi/g	<.0334	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Europium-154	pCi/g	<.0849	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Gadolinium-153	pCi/g	<.036	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Indium-115M	pCi/g	<3.41	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Iodine-131	pCi/g	<.0169	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E55 SD	SNL0150007	D	0	Iridium-192	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Iron-59	pCi/g	<.0298	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Lanthanum-140	pCi/g	<.0243	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Lead-212	pCi/g	.969		0.0506	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Lead-214	pCi/g	.57		0.065	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Mercury-203	pCi/g	<.0159	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Neptunium-237	pCi/g	<.111	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Niobium-95	pCi/g	<.0765	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Potassium-40	pCi/g	12.9		0.694	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Protactinium-231	pCi/g	<.782	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Protactinium-233	pCi/g	<.0296	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Radium-224	pCi/g	2.62		0.727	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Radium-226	pCi/g	.354		0.184	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Radium-228	pCi/g	1.39		0.146	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Ruthenium-103	pCi/g	<.0136	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Ruthenium-106	pCi/g	<.13	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Scandium-46	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Silver-110	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Sodium-22	pCi/g	.0126		0.0149	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Sodium-24	pCi/g	<.0633	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Strontium-85	pCi/g	<.0133	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Tantalum-182	pCi/g	<.115	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thallium-201	pCi/g	<.164	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thallium-208	pCi/g	.887		0.0972	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-227	pCi/g	<.129	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-228	pCi/g	.965		0.0503	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-229	pCi/g	<.0685	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-231	pCi/g	<.196	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-232	pCi/g	1.39		0.146	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Thorium-234	pCi/g	<.25	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Tin-113	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Uranium-234	pCi/g	<7.41	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Uranium-235	pCi/g	<.0294	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Uranium-238	pCi/g	<.284	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Xenon-133,-133M	pCi/g	<.0465	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Yttrium-88	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Zinc-65	pCi/g	<.0435	U	999.9999	SOIL
TA3/5-240E55 SD	SNL0150007	D	0	Zirconium-95	pCi/g	<.0327	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Actinium-227	pCi/g	<.709	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Actinium-228	pCi/g	.522		0.0876	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Americium-241	pCi/g	<.0684	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Antimony-124	pCi/g	<.0118	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Antimony-125	pCi/g	<.0288	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Antimony-126	pCi/g	<.0128	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Barium-133	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Barium-140	pCi/g	<.0373	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Beryllium-7	pCi/g	.137		0.0973	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Bismuth-207	pCi/g	<.0117	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Bismuth-212	pCi/g	.314		0.151	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Bismuth-214	pCi/g	.376		0.048	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cadmium-109	pCi/g	<.346	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cerium-139	pCi/g	<.0117	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cerium-144	pCi/g	<.0702	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cesium-134	pCi/g	<.0102	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E55 SS	SNL0150008	F	0	Cesium-137	pCi/g	.062		0.0185	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Chromium-51	pCi/g	<.0989	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cobalt-56	pCi/g	<.017	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cobalt-57	pCi/g	<.00936	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cobalt-58	pCi/g	<.0109	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Cobalt-60	pCi/g	<.0163	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Copper-64	pCi/g	<19	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Europium-152	pCi/g	<.0265	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Europium-154	pCi/g	<.0563	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Europium-155	pCi/g	<.0437	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Gadolinium-153	pCi/g	<.026	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Indium-115M	pCi/g	<1.41	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Iodine-131	pCi/g	<.011	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Iridium-192	pCi/g	<.0108	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Iron-59	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Lanthanum-140	pCi/g	<.0186	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Lead-212	pCi/g	.461		0.0343	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Lead-214	pCi/g	.381		0.05	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Manganese-54	pCi/g	<.0154	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Mercury-203	pCi/g	<.0124	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Niobium-95	pCi/g	<.054	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Potassium-40	pCi/g	12.4		0.59	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Protactinium-231	pCi/g	<.536	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Protactinium-233	pCi/g	<.0251	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Radium-224	pCi/g	.642		0.559	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Radium-226	pCi/g	.293		0.148	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Radium-228	pCi/g	.578		0.0971	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Ruthenium-103	pCi/g	<.00887	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Ruthenium-106	pCi/g	<.1	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Scandium-46	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Silver-110	pCi/g	<.0113	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Sodium-22	pCi/g	<.0169	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Sodium-24	pCi/g	<.0433	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Strontium-85	pCi/g	<.00954	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Tantalum-182	pCi/g	<.0926	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thallium-201	pCi/g	<.135	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thallium-208	pCi/g	.472		0.0667	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-227	pCi/g	<.0978	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-228	pCi/g	.459		0.0342	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-229	pCi/g	<.0485	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-231	pCi/g	<.149	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-232	pCi/g	.578		0.0971	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Thorium-234	pCi/g	<.194	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Tin-113	pCi/g	<.0138	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Uranium-234	pCi/g	<5.84	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Uranium-235	pCi/g	<.0242	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Uranium-238	pCi/g	<.22	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Xenon-133,-133M	pCi/g	<.0352	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Yttrium-88	pCi/g	<.0125	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Zinc-65	pCi/g	<.036	U	999.9999	SOIL
TA3/5-240E55 SS	SNL0150008	F	0	Zirconium-95	pCi/g	<.0241	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Actinium-227	pCi/g	<.915	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E58 SS	SNL0150009	F	0	Actinium-228	pCi/g	1.18		0.13	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Americium-241	pCi/g	<.0836	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Antimony-124	pCi/g	<.0137	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Antimony-125	pCi/g	<.0401	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Antimony-126	pCi/g	<.0201	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Barium-133	pCi/g	<.019	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Barium-140	pCi/g	<.0503	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Beryllium-7	pCi/g	.137		0.112	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Bismuth-207	pCi/g	<.0182	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Bismuth-212	pCi/g	.63		0.182	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Bismuth-214	pCi/g	.508		0.0663	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cerium-139	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cerium-144	pCi/g	<.0902	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cesium-134	pCi/g	<.0136	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cesium-137	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Chromium-51	pCi/g	<.116	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cobalt-56	pCi/g	<.0254	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cobalt-57	pCi/g	<.011	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cobalt-58	pCi/g	<.0125	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Cobalt-60	pCi/g	<.0227	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Copper-64	pCi/g	<21.3	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Europium-152	pCi/g	<.0351	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Europium-154	pCi/g	<.0815	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Europium-155	pCi/g	<.0576	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Gadolinium-153	pCi/g	<.0363	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Indium-115M	pCi/g	<2.45	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Iodine-131	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Iridium-192	pCi/g	<.014	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Iron-59	pCi/g	<.0336	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Lanthanum-140	pCi/g	<.0223	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Lead-212	pCi/g	1.07		0.0526	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Lead-214	pCi/g	.534		0.0603	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Mercury-203	pCi/g	<.0167	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Niobium-95	pCi/g	<.0691	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Potassium-40	pCi/g	12.6		0.643	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Protactinium-231	pCi/g	<.821	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Protactinium-233	pCi/g	<.0347	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Radium-224	pCi/g	3.29		0.75	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Radium-226	pCi/g	.477		0.192	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Radium-228	pCi/g	1.3		0.145	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Ruthenium-103	pCi/g	<.016	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Ruthenium-106	pCi/g	<.137	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Scandium-46	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Silver-110	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Sodium-22	pCi/g	<.02	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Sodium-24	pCi/g	<.0629	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Strontium-85	pCi/g	<.012	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Tantalum-182	pCi/g	<.132	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thallium-201	pCi/g	<.165	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thallium-208	pCi/g	1		0.107	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-227	pCi/g	<.122	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-228	pCi/g	1.07		0.0523	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-229	pCi/g	<.0691	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-231	pCi/g	<.203	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-232	pCi/g	1.3		0.145	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Thorium-234	pCi/g	<.262	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Tin-113	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Uranium-234	pCi/g	<6.5	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Uranium-235	pCi/g	<.0311	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Uranium-238	pCi/g	<.277	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Xenon-133,-133M	pCi/g	<.048	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Yttrium-88	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Zinc-65	pCi/g	<.0405	U	999.9999	SOIL
TA3/5-240E58 SS	SNL0150009	F	0	Zirconium-95	pCi/g	<.0289	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Actinium-227	pCi/g	<1	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Actinium-228	pCi/g	.866		0.141	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Americium-241	pCi/g	<.0525	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Antimony-124	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Antimony-125	pCi/g	<.0506	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Antimony-126	pCi/g	<.0201	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Barium-133	pCi/g	<.0233	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Barium-140	pCi/g	<.065	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Beryllium-7	pCi/g	<.178	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Bismuth-207	pCi/g	<.0154	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Bismuth-212	pCi/g	.449		0.211	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Bismuth-214	pCi/g	.416		0.0615	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cadmium-109	pCi/g	<.551	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cerium-144	pCi/g	<.14	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cesium-134	pCi/g	<.019	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cesium-137	pCi/g	<.023	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Chromium-51	pCi/g	<.147	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cobalt-56	pCi/g	<.0209	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cobalt-57	pCi/g	<.017	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cobalt-58	pCi/g	<.017	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Cobalt-60	pCi/g	<.0294	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Copper-64	pCi/g	<93.7	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Europium-152	pCi/g	<.0516	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Europium-154	pCi/g	<.0768	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Europium-155	pCi/g	<.0704	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Gadolinium-153	pCi/g	<.044	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Iodine-131	pCi/g	<.0195	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Iridium-192	pCi/g	<.0168	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Iron-59	pCi/g	<.0434	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Lanthanum-140	pCi/g	<.0505	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Lead-210	pCi/g	1.24		0.544	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Lead-212	pCi/g	.747		0.0563	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Lead-214	pCi/g	.497		0.0796	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Manganese-54	pCi/g	<.0185	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Mercury-203	pCi/g	<.0205	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Neptunium-237	pCi/g	<.139	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Niobium-95	pCi/g	<.0923	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Potassium-40	pCi/g	12.6		0.697	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Protactinium-231	pCi/g	<.74	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Protactinium-233	pCi/g	<.037	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Radium-226	pCi/g	.5		0.201	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E59 SS	SNL0150013	F	0	Radium-228	pCi/g	.959		0.157	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Ruthenium-103	pCi/g	<.0195	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Ruthenium-106	pCi/g	<.164	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Scandium-46	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Silver-110	pCi/g	<.0181	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Sodium-22	pCi/g	<.0237	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Sodium-24	pCi/g	<.19	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Strontium-85	pCi/g	.0162		0.013	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Tantalum-182	pCi/g	<.182	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thallium-201	pCi/g	<.227	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thallium-208	pCi/g	.714		0.119	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-227	pCi/g	<.148	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-228	pCi/g	.744		0.056	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-229	pCi/g	<.0729	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-231	pCi/g	<.221	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-232	pCi/g	.959		0.157	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Thorium-234	pCi/g	<.366	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Tin-113	pCi/g	<.0211	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Uranium-234	pCi/g	<2.59	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Uranium-235	pCi/g	<.0355	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Uranium-238	pCi/g	<.365	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Xenon-133,-133M	pCi/g	<.0565	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Yttrium-88	pCi/g	<.0182	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Zinc-65	pCi/g	<.0516	U	999.9999	SOIL
TA3/5-240E59 SS	SNL0150013	F	0	Zirconium-95	pCi/g	<.0326	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Actinium-227	pCi/g	<.861	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Actinium-228	pCi/g	.712		0.123	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Americium-241	pCi/g	<.0832	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Antimony-124	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Antimony-125	pCi/g	<.0367	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Antimony-126	pCi/g	<.018	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Barium-133	pCi/g	<.0183	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Barium-140	pCi/g	<.0519	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Beryllium-7	pCi/g	<.123	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Bismuth-207	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Bismuth-212	pCi/g	.307		0.204	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Bismuth-214	pCi/g	.44		0.0658	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cadmium-109	pCi/g	<.446	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cerium-139	pCi/g	<.015	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cerium-144	pCi/g	<.0887	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cesium-134	pCi/g	<.0117	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cesium-137	pCi/g	<.0209	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Chromium-51	pCi/g	<.116	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cobalt-56	pCi/g	<.0254	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cobalt-57	pCi/g	<.012	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cobalt-58	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Cobalt-60	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Copper-64	pCi/g	<57.8	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Europium-152	pCi/g	<.0376	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Europium-154	pCi/g	<.0786	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Europium-155	pCi/g	<.055	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Gadolinium-153	pCi/g	<.0344	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Iodine-131	pCi/g	<.0165	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E72 SS	SNL0150010	F	0	Iridium-192	pCi/g	<.015	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Iron-59	pCi/g	<.0315	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Lanthanum-140	pCi/g	<.0329	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Lead-212	pCi/g	.637		0.0458	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Lead-214	pCi/g	.533		0.0621	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Manganese-54	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Mercury-203	pCi/g	<.0162	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Niobium-95	pCi/g	<.0789	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Potassium-40	pCi/g	13.3		0.722	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Protactinium-231	pCi/g	<.73	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Protactinium-233	pCi/g	<.0304	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Radium-224	pCi/g	1.3		0.75	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Radium-226	pCi/g	.637		0.199	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Radium-228	pCi/g	.789		0.137	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Ruthenium-103	pCi/g	<.0132	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Ruthenium-106	pCi/g	<.131	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Scandium-46	pCi/g	<.0168	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Silver-110	pCi/g	<.0157	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Sodium-22	pCi/g	<.02	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Sodium-24	pCi/g	<.119	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Strontium-85	pCi/g	<.0116	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Tantalum-182	pCi/g	<.151	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thallium-201	pCi/g	<.165	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thallium-208	pCi/g	.666		0.0904	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-227	pCi/g	<.118	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-228	pCi/g	.634		0.0456	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-229	pCi/g	<.0673	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-231	pCi/g	<.187	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-232	pCi/g	.789		0.137	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Thorium-234	pCi/g	<.255	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Tin-113	pCi/g	<.0196	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Uranium-234	pCi/g	<7.04	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Uranium-235	pCi/g	<.0325	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Uranium-238	pCi/g	<.28	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Xenon-133,-133M	pCi/g	<.0486	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Yttrium-88	pCi/g	<.0174	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Zinc-65	pCi/g	<.0434	U	999.9999	SOIL
TA3/5-240E72 SS	SNL0150010	F	0	Zirconium-95	pCi/g	<.0306	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Actinium-227	pCi/g	<.906	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Actinium-228	pCi/g	.814		0.12	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Americium-241	pCi/g	<.0497	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Antimony-124	pCi/g	<.0148	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Antimony-125	pCi/g	<.0426	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Antimony-126	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Barium-133	pCi/g	<.0218	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Barium-140	pCi/g	<.0596	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Beryllium-7	pCi/g	<.138	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Bismuth-207	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Bismuth-212	pCi/g	.445		0.177	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Bismuth-214	pCi/g	.487		0.0744	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cadmium-109	pCi/g	<.516	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cerium-139	pCi/g	<.0167	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cerium-144	pCi/g	<.128	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cesium-134	pCi/g	<.0153	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240E90 SS	SNL0150014	F	0	Cesium-137	pCi/g	<.0215	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Chromium-51	pCi/g	<.138	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cobalt-56	pCi/g	<.0185	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cobalt-57	pCi/g	<.0162	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cobalt-58	pCi/g	<.0146	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Cobalt-60	pCi/g	<.0243	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Copper-64	pCi/g	<99.1	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Europium-152	pCi/g	<.0491	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Europium-154	pCi/g	<.0787	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Europium-155	pCi/g	<.0651	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Gadolinium-153	pCi/g	<.0415	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Iodine-131	pCi/g	<.0194	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Iridium-192	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Iron-59	pCi/g	<.0388	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Lanthanum-140	pCi/g	<.0326	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Lead-210	pCi/g	1.28		0.574	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Lead-212	pCi/g	.904		0.0529	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Lead-214	pCi/g	.52		0.0696	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Manganese-54	pCi/g	<.0186	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Mercury-203	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Niobium-95	pCi/g	<.0889	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Potassium-40	pCi/g	12.8		0.646	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Protactinium-231	pCi/g	<.691	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Protactinium-233	pCi/g	<.0343	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Radium-224	pCi/g	.445		0.436	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Radium-226	pCi/g	.472		0.214	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Radium-228	pCi/g	.902		0.133	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Ruthenium-103	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Ruthenium-106	pCi/g	<.14	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Scandium-46	pCi/g	<.0182	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Silver-110	pCi/g	<.016	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Sodium-22	pCi/g	<.022	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Sodium-24	pCi/g	<.135	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Strontium-85	pCi/g	<.0177	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Tantalum-182	pCi/g	<.17	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thallium-201	pCi/g	<.217	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thallium-208	pCi/g	.839		0.102	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-227	pCi/g	<.139	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-228	pCi/g	.9		0.0526	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-229	pCi/g	<.0714	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-231	pCi/g	.39		0.165	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-232	pCi/g	.902		0.133	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Thorium-234	pCi/g	.913		0.411	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Tin-113	pCi/g	<.0208	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Uranium-234	pCi/g	<2.47	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Uranium-235	pCi/g	<.0326	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Uranium-238	pCi/g	.911		0.41	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Xenon-133,-133M	pCi/g	<.0533	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Yttrium-88	pCi/g	<.0189	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Zinc-65	pCi/g	<.046	U	999.9999	SOIL
TA3/5-240E90 SS	SNL0150014	F	0	Zirconium-95	pCi/g	<.0329	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Actinium-227	pCi/g	<1.13	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Actinium-228	pCi/g	.674		0.122	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-01-C	SNL0130675	F	0	Americium-241	pCi/g	<.0534	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Antimony-124	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Antimony-125	pCi/g	<.0531	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Antimony-126	pCi/g	<.0213	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Argon-41	pCi/g	<.322	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Barium-133	pCi/g	<.0247	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Barium-140	pCi/g	<.0661	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Beryllium-7	pCi/g	.377		0.288	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Bismuth-207	pCi/g	<.019	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Bismuth-212	pCi/g	.28		0.162	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Bismuth-214	pCi/g	.678		0.0868	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cadmium-109	pCi/g	<.581	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cerium-139	pCi/g	<.0184	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cerium-144	pCi/g	<.142	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cesium-134	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cesium-137	pCi/g	.0385		0.0279	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Chromium-51	pCi/g	<.173	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cobalt-56	pCi/g	<.0233	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cobalt-57	pCi/g	<.0188	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cobalt-58	pCi/g	<.0183	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Cobalt-60	pCi/g	<.0286	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Copper-64	pCi/g	<12.4	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Europium-152	pCi/g	<.0569	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Europium-154	pCi/g	<.0902	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Europium-155	pCi/g	<.0763	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Gadolinium-153	pCi/g	<.0503	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Indium-115M	pCi/g	<.11	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Iodine-131	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Iridium-192	pCi/g	<.0187	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Iron-59	pCi/g	<.0539	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Lanthanum-140	pCi/g	<.0192	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Lead-210	pCi/g	.712		0.529	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Lead-212	pCi/g	.668		0.0565	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Lead-214	pCi/g	.673		0.0685	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Manganese-54	pCi/g	<.0234	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Manganese-56	pCi/g	<.125	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Mercury-203	pCi/g	<.0231	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Neptunium-237	pCi/g	<.151	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Niobium-95	pCi/g	<.0754	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Potassium-40	pCi/g	14.7		0.831	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Protactinium-231	pCi/g	<.824	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Protactinium-233	pCi/g	<.0439	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Radium-224	pCi/g	.66		0.609	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Radium-226	pCi/g	1.17		0.507	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Radium-228	pCi/g	.747		0.135	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Ruthenium-103	pCi/g	<.0196	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Ruthenium-106	pCi/g	<.179	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Scandium-46	pCi/g	<.0217	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Silver-110	pCi/g	<.0223	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Sodium-22	pCi/g	<.0274	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Sodium-24	pCi/g	<.0291	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Strontium-85	pCi/g	<.0217	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Tantalum-182	pCi/g	<.202	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-01-C	SNL0130675	F	0	Thallium-201	pCi/g	<.153	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thallium-208	pCi/g	.209		0.0408	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-227	pCi/g	<.166	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-228	pCi/g	.665		0.0562	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-229	pCi/g	<.083	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-231	pCi/g	<.235	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-232	pCi/g	.747		0.135	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Thorium-234	pCi/g	.956		0.413	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Tin-113	pCi/g	<.022	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Uranium-234	pCi/g	<7.13	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Uranium-235	pCi/g	<.0382	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Uranium-238	pCi/g	.954		0.412	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Xenon-133,-133M	pCi/g	<.0518	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Yttrium-88	pCi/g	<.0226	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Zinc-65	pCi/g	<.0581	U	999.9999	SOIL
TA3/5-240-SS-01-C	SNL0130675	F	0	Zirconium-95	pCi/g	<.0344	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Actinium-227	pCi/g	<.883	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Actinium-228	pCi/g	.639		0.103	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Americium-241	pCi/g	<.0462	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Antimony-124	pCi/g	<.0148	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Antimony-125	pCi/g	<.0455	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Antimony-126	pCi/g	<.0153	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Argon-41	pCi/g	<.081	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Barium-133	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Barium-140	pCi/g	<.0533	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Beryllium-7	pCi/g	<.152	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Bismuth-207	pCi/g	<.0145	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Bismuth-212	pCi/g	.375		0.16	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Bismuth-214	pCi/g	.449		0.0624	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cadmium-109	pCi/g	<.454	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cerium-139	pCi/g	<.0155	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cerium-144	pCi/g	<.122	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cesium-134	pCi/g	<.0156	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cesium-137	pCi/g	.4		0.0432	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Chromium-51	pCi/g	<.124	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cobalt-56	pCi/g	<.0165	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cobalt-57	pCi/g	<.0141	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cobalt-58	pCi/g	<.0139	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Cobalt-60	pCi/g	<.0242	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Copper-64	pCi/g	<7.65	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Europium-152	pCi/g	<.0434	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Europium-154	pCi/g	<.0751	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Europium-155	pCi/g	<.0624	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Gadolinium-153	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Indium-115M	pCi/g	<.055	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Iodine-131	pCi/g	<.0152	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Iridium-192	pCi/g	<.0146	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Iron-59	pCi/g	<.0367	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Lanthanum-140	pCi/g	<.0158	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Lead-210	pCi/g	1.37		0.736	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Lead-212	pCi/g	.577		0.0477	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Lead-214	pCi/g	.515		0.0601	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Manganese-54	pCi/g	<.0168	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-14-C	SNL0130676	F	0	Manganese-56	pCi/g	<.0418	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Mercury-203	pCi/g	<.0172	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Neptunium-237	pCi/g	<.12	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Niobium-95	pCi/g	<.0583	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Potassium-40	pCi/g	13.5		0.624	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Protactinium-231	pCi/g	<.657	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Protactinium-233	pCi/g	<.0308	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Radium-226	pCi/g	1.46		0.42	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Radium-228	pCi/g	.708		0.114	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Ruthenium-103	pCi/g	<.0144	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Ruthenium-106	pCi/g	<.155	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Scandium-46	pCi/g	<.0164	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Silver-110	pCi/g	<.0177	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Sodium-22	pCi/g	<.0218	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Sodium-24	pCi/g	<.0178	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Strontium-85	pCi/g	<.0162	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Tantalum-182	pCi/g	<.168	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thallium-201	pCi/g	<.126	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thallium-208	pCi/g	.215		0.0283	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-227	pCi/g	<.13	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-228	pCi/g	.575		0.0475	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-229	pCi/g	<.0666	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-231	pCi/g	<.19	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-232	pCi/g	.708		0.114	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Thorium-234	pCi/g	<.3	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Tin-113	pCi/g	<.0204	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Uranium-234	pCi/g	<5.54	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Uranium-235	pCi/g	<.0314	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Uranium-238	pCi/g	<.3	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Xenon-133,-133M	pCi/g	<.0384	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Yttrium-88	pCi/g	<.0168	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Zinc-65	pCi/g	<.0431	U	999.9999	SOIL
TA3/5-240-SS-14-C	SNL0130676	F	0	Zirconium-95	pCi/g	<.0297	U	999.9999	SOIL
TA3/5-240-SS-19A	SNL0130294	F	0	Niobium-93	mg/Kg	.31	B	999.999	SOIL
TA3/5-240-SS-19A	SNL0130294	F	0	Uranium-238	mg/Kg	.32		999.999	SOIL
TA3/5-240-SS-19F	SNL0130298	F	0	Niobium-93	mg/Kg	.24	B	999.999	SOIL
TA3/5-240-SS-19F	SNL0130298	F	0	Uranium-238	mg/Kg	.25		999.999	SOIL
TA3/5-240-SS-19F-D	SNL0130302	D	0	Niobium-93	mg/Kg	.3	B	999.999	SOIL
TA3/5-240-SS-19F-D	SNL0130302	D	0	Uranium-238	mg/Kg	.29		999.999	SOIL
TA3/5-240-SS-21B	SNL0130306	F	0	Niobium-93	mg/Kg	.26	B	999.999	SOIL
TA3/5-240-SS-21B	SNL0130306	F	0	Uranium-238	mg/Kg	.25		999.999	SOIL
TA3/5-240-SS-21D	SNL0130310	F	0	Niobium-93	mg/Kg	.22	B	999.999	SOIL
TA3/5-240-SS-21D	SNL0130310	F	0	Uranium-238	mg/Kg	.27		999.999	SOIL
TA3/5-240-SS-24B	SNL0130314	F	0	Niobium-93	mg/Kg	.28	B	999.999	SOIL
TA3/5-240-SS-24B	SNL0130314	F	0	Uranium-238	mg/Kg	.33		999.999	SOIL
TA3/5-240-SS-24F	SNL0130318	F	0	Niobium-93	mg/Kg	.28	B	999.999	SOIL
TA3/5-240-SS-24F	SNL0130318	F	0	Uranium-238	mg/Kg	.36		999.999	SOIL
TA3/5-240-SS-25A	SNL0130322	F	0	Niobium-93	mg/Kg	.24	B	999.999	SOIL
TA3/5-240-SS-25A	SNL0130322	F	0	Uranium-238	mg/Kg	.26		999.999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Actinium-227	pCi/g	<1.29	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Actinium-228	pCi/g	.664		0.171	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Americium-241	pCi/g	<.0632	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Antimony-124	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Antimony-125	pCi/g	<.0638	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Antimony-126	pCi/g	<.0243	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-25E	SNL0130678	F	0	Barium-133	pCi/g	<.0303	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Barium-140	pCi/g	<.0771	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Beryllium-7	pCi/g	<.209	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Bismuth-207	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Bismuth-212	pCi/g	.448		0.258	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Bismuth-214	pCi/g	<.13	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cadmium-109	pCi/g	<.694	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cerium-139	pCi/g	<.0226	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cerium-144	pCi/g	<.172	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cesium-134	pCi/g	<.0243	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cesium-137	pCi/g	.106		0.0437	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Chromium-51	pCi/g	<.202	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cobalt-56	pCi/g	<.0279	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cobalt-57	pCi/g	<.0205	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cobalt-58	pCi/g	<.0231	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Cobalt-60	pCi/g	<.0386	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Copper-64	pCi/g	<29.1	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Europium-152	pCi/g	<.062	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Europium-154	pCi/g	<.108	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Europium-155	pCi/g	<.0898	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Gadolinium-153	pCi/g	<.0545	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Indium-115M	pCi/g	<1.51	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Iodine-131	pCi/g	<.024	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Iridium-192	pCi/g	<.0227	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Iron-59	pCi/g	<.05	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Lanthanum-140	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Lead-210	pCi/g	1.08		0.742	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Lead-212	pCi/g	.642		0.0722	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Lead-214	pCi/g	.595		0.0952	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Manganese-54	pCi/g	<.0286	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Mercury-203	pCi/g	<.0259	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130326	F	0	Niobium-93	mg/Kg	.29	B	999.999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Niobium-95	pCi/g	<.0982	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Potassium-40	pCi/g	15.1		1.03	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Protactinium-231	pCi/g	<1.01	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Protactinium-233	pCi/g	<.0493	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Radium-224	pCi/g	.608		0.776	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Radium-226	pCi/g	.946		0.599	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Radium-228	pCi/g	.735		0.19	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Ruthenium-103	pCi/g	<.0198	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Ruthenium-106	pCi/g	<.25	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Scandium-46	pCi/g	<.026	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Silver-110	pCi/g	<.0221	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Sodium-22	pCi/g	<.0402	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Sodium-24	pCi/g	<.0495	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Strontium-85	pCi/g	<.0246	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Tantalum-182	pCi/g	<.271	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thallium-201	pCi/g	<.211	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thallium-208	pCi/g	.238		0.0487	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-227	pCi/g	<.192	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-228	pCi/g	.639		0.0719	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-229	pCi/g	<.0959	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-231	pCi/g	<.273	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-232	pCi/g	.735		0.19	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Thorium-234	pCi/g	.699		0.355	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Tin-113	pCi/g	<.0317	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Uranium-234	pCi/g	<7.69	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Uranium-235	pCi/g	<.0448	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130326	F	0	Uranium-238	mg/Kg	.29		999.999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Uranium-238	pCi/g	.698		0.354	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Xenon-133,-133M	pCi/g	<.0673	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Yttrium-88	pCi/g	<.0323	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Zinc-65	pCi/g	<.0625	U	999.9999	SOIL
TA3/5-240-SS-25E	SNL0130678	F	0	Zirconium-95	pCi/g	<.0437	U	999.9999	SOIL
TA3/5-240-SS-26E	SNL0130330	F	0	Niobium-93	mg/Kg	.26	B	999.999	SOIL
TA3/5-240-SS-26E	SNL0130330	F	0	Uranium-238	mg/Kg	.23		999.999	SOIL
TA3/5-240-SS-27B	SNL0130334	F	0	Niobium-93	mg/Kg	.19	B	999.999	SOIL
TA3/5-240-SS-27B	SNL0130334	F	0	Uranium-238	mg/Kg	.3		999.999	SOIL
TA3/5-240-SS-27F	SNL0130338	F	0	Niobium-93	mg/Kg	.24	B	999.999	SOIL
TA3/5-240-SS-27F	SNL0130338	F	0	Uranium-238	mg/Kg	.3		999.999	SOIL
TA3/5-240-SS-29C	SNL0130342	F	0	Niobium-93	mg/Kg	.44		999.999	SOIL
TA3/5-240-SS-29C	SNL0130342	F	0	Uranium-238	mg/Kg	.4		999.999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Actinium-227	pCi/g	<1.22	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Actinium-228	pCi/g	.56		0.147	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Americium-241	pCi/g	<.0628	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Antimony-124	pCi/g	<.0224	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Antimony-125	pCi/g	<.0567	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Antimony-126	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Barium-133	pCi/g	<.0273	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Barium-140	pCi/g	<.0768	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Beryllium-7	pCi/g	<.197	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Bismuth-207	pCi/g	<.0191	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Bismuth-212	pCi/g	.341		0.306	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Bismuth-214	pCi/g	.448		0.0898	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cadmium-109	pCi/g	<.633	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cerium-139	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cerium-144	pCi/g	<.162	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cesium-134	pCi/g	<.0239	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cesium-137	pCi/g	.131		0.051	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Chromium-51	pCi/g	<.178	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cobalt-56	pCi/g	<.025	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cobalt-57	pCi/g	<.0193	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cobalt-58	pCi/g	<.0214	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Cobalt-60	pCi/g	<.0387	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Copper-64	pCi/g	<28.2	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Europium-152	pCi/g	<.057	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Europium-154	pCi/g	<.115	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Europium-155	pCi/g	<.0784	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Gadolinium-153	pCi/g	<.0513	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Indium-115M	pCi/g	<.969	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Iodine-131	pCi/g	<.0206	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Iridium-192	pCi/g	<.0201	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Iron-59	pCi/g	<.0565	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Lanthanum-140	pCi/g	<.0257	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Lead-212	pCi/g	.586		0.065	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-30E	SNL0130679	F	0	Lead-214	pCi/g	.59		0.0742	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Manganese-54	pCi/g	<.0264	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Manganese-56	pCi/g	<4.46	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Mercury-203	pCi/g	<.0227	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Neptunium-237	pCi/g	<.16	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130346	F	0	Niobium-93	mg/Kg	.33		999.999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Niobium-95	pCi/g	<.0877	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Potassium-40	pCi/g	14.5		0.926	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Protactinium-231	pCi/g	<.878	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Protactinium-233	pCi/g	<.0452	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Radium-226	pCi/g	1.17		0.625	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Radium-228	pCi/g	.621		0.163	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Ruthenium-103	pCi/g	<.0198	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Ruthenium-106	pCi/g	<.199	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Scandium-46	pCi/g	<.0239	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Silver-110	pCi/g	<.0212	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Sodium-22	pCi/g	<.0302	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Sodium-24	pCi/g	<.0714	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Strontium-85	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Tantalum-182	pCi/g	<.241	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thallium-201	pCi/g	<.206	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thallium-208	pCi/g	.187		0.0423	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-227	pCi/g	<.177	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-228	pCi/g	.584		0.0647	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-229	pCi/g	<.0852	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-231	pCi/g	<.255	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-232	pCi/g	.621		0.163	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Thorium-234	pCi/g	<.419	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Tin-113	pCi/g	<.0241	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Uranium-234	pCi/g	<7.08	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Uranium-235	pCi/g	<.04	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130346	F	0	Uranium-238	mg/Kg	.38		999.999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Uranium-238	pCi/g	<.418	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Xenon-133,-133M	pCi/g	<.0573	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Yttrium-88	pCi/g	<.0215	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Zinc-65	pCi/g	<.0652	U	999.9999	SOIL
TA3/5-240-SS-30E	SNL0130679	F	0	Zirconium-95	pCi/g	<.0383	U	999.9999	SOIL
TA3/5-240-SS-31A	SNL0130350	F	0	Niobium-93	mg/Kg	.25		999.999	SOIL
TA3/5-240-SS-31A	SNL0130350	F	0	Uranium-238	mg/Kg	.42		999.999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Actinium-227	pCi/g	<1.27	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Actinium-228	pCi/g	.757		0.174	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Americium-241	pCi/g	<.0685	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Antimony-124	pCi/g	<.0246	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Antimony-125	pCi/g	<.0613	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Antimony-126	pCi/g	<.0224	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Barium-133	pCi/g	<.0279	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Barium-140	pCi/g	<.0834	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Beryllium-7	pCi/g	<.23	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Bismuth-207	pCi/g	<.0215	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Bismuth-212	pCi/g	.457		0.307	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Bismuth-214	pCi/g	.508		0.142	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cadmium-109	pCi/g	<.716	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cerium-139	pCi/g	<.0233	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cerium-144	pCi/g	<.185	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cesium-134	pCi/g	<.0233	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-31E	SNL0130680	F	0	Cesium-137	pCi/g	<.0261	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Chromium-51	pCi/g	<.191	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cobalt-56	pCi/g	<.0272	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cobalt-57	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cobalt-58	pCi/g	<.0238	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Cobalt-60	pCi/g	<.0374	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Copper-64	pCi/g	<28.9	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Europium-152	pCi/g	<.0604	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Europium-154	pCi/g	<.119	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Europium-155	pCi/g	<.0892	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Gadolinium-153	pCi/g	<.0564	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Indium-115M	pCi/g	<1.07	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Iodine-131	pCi/g	<.021	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Iridium-192	pCi/g	<.022	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Iron-59	pCi/g	<.0595	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Lanthanum-140	pCi/g	<.0378	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Lead-210	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Lead-212	pCi/g	.646		0.0734	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Lead-214	pCi/g	.562		0.0937	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Manganese-54	pCi/g	<.026	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Manganese-56	pCi/g	<5.7	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Mercury-203	pCi/g	<.0278	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Neptunium-237	pCi/g	<.182	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130354	F	0	Niobium-93	mg/Kg	.23		999.999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Niobium-95	pCi/g	<.105	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Potassium-40	pCi/g	12.7		0.936	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Protactinium-231	pCi/g	<.971	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Protactinium-233	pCi/g	<.0519	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Radium-226	pCi/g	1.54		0.692	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Radium-228	pCi/g	.838		0.193	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Ruthenium-103	pCi/g	<.0195	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Ruthenium-106	pCi/g	<.208	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Scandium-46	pCi/g	<.0255	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Silver-110	pCi/g	<.0255	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Sodium-22	pCi/g	<.0353	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Sodium-24	pCi/g	<.0603	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Strontium-85	pCi/g	<.0236	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Tantalum-182	pCi/g	<.188	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thallium-201	pCi/g	<.223	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thallium-208	pCi/g	<.0655	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-227	pCi/g	<.205	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-228	pCi/g	.643		0.0731	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-229	pCi/g	<.0925	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-231	pCi/g	<.291	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-232	pCi/g	.838		0.193	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Thorium-234	pCi/g	.921		0.473	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Tin-113	pCi/g	<.0285	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Uranium-234	pCi/g	<7.51	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Uranium-235	pCi/g	<.0465	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130354	F	0	Uranium-238	mg/Kg	.81		999.999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Uranium-238	pCi/g	.919		0.472	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Xenon-133,-133M	pCi/g	<.0626	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Yttrium-88	pCi/g	<.0294	U	999.9999	SOIL

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-31E	SNL0130680	F	0	Zinc-65	pCi/g	<.0542	U	999.9999	SOIL
TA3/5-240-SS-31E	SNL0130680	F	0	Zirconium-95	pCi/g	<.0512	U	999.9999	SOIL
TA3/5-240-SS-33B	SNL0130358	F	0	Niobium-93	mg/Kg	.23		999.999	SOIL
TA3/5-240-SS-33B	SNL0130358	F	0	Uranium-238	mg/Kg	.66		999.999	SOIL
TA3/5-240-SS-33D	SNL0130362	F	0	Niobium-93	mg/Kg	.26		999.999	SOIL
TA3/5-240-SS-33D	SNL0130362	F	0	Uranium-238	mg/Kg	.39		999.999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Actinium-227	pCi/g	<1.26	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Actinium-228	pCi/g	.56		0.133	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Americium-241	pCi/g	<.0643	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Antimony-124	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Antimony-125	pCi/g	<.0599	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Antimony-126	pCi/g	<.025	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Barium-133	pCi/g	<.0272	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Barium-140	pCi/g	<.0712	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Beryllium-7	pCi/g	<.182	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Bismuth-207	pCi/g	<.0183	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Bismuth-212	pCi/g	.583		0.295	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Bismuth-214	pCi/g	.437		0.104	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cadmium-109	pCi/g	<.655	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cerium-139	pCi/g	<.022	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cerium-144	pCi/g	<.163	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cesium-134	pCi/g	<.0225	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cesium-137	pCi/g	<.0253	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Chromium-51	pCi/g	<.193	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cobalt-56	pCi/g	<.0294	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cobalt-57	pCi/g	<.0203	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cobalt-58	pCi/g	<.0199	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Cobalt-60	pCi/g	<.031	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Copper-64	pCi/g	<23.6	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Europium-152	pCi/g	<.0604	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Europium-154	pCi/g	<.0898	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Europium-155	pCi/g	<.0786	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Gadolinium-153	pCi/g	<.0523	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Indium-115M	pCi/g	<1.11	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Iodine-131	pCi/g	<.0219	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Iridium-192	pCi/g	<.0208	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Iron-59	pCi/g	<.0551	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Lanthanum-140	pCi/g	<.0168	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Lead-210	pCi/g	1.41		0.748	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Lead-212	pCi/g	.658		0.0643	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Lead-214	pCi/g	.485		0.0874	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Manganese-54	pCi/g	<.0253	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Manganese-56	pCi/g	<6.18	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Mercury-203	pCi/g	<.0255	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Neptunium-237	pCi/g	<.167	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130366	F	0	Niobium-93	mg/Kg	.27		999.999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Niobium-95	pCi/g	<.088	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Potassium-40	pCi/g	11.6		0.878	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Protactinium-231	pCi/g	<.93	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Protactinium-233	pCi/g	<.043	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Radium-224	pCi/g	.712		0.618	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Radium-226	pCi/g	1.75		0.748	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Radium-228	pCi/g	.621		0.147	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-34B	SNL0130681	F	0	Ruthenium-103	pCi/g	<.0175	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Ruthenium-106	pCi/g	<.199	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Scandium-46	pCi/g	<.0272	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Silver-110	pCi/g	<.024	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Sodium-22	pCi/g	<.0288	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Sodium-24	pCi/g	<.0696	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Strontium-85	pCi/g	<.0248	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Tantalum-182	pCi/g	<.234	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thallium-201	pCi/g	<.217	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thallium-208	pCi/g	.228		0.0474	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-227	pCi/g	<.178	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-228	pCi/g	.655		0.064	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-229	pCi/g	<.0954	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-231	pCi/g	<.268	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-232	pCi/g	.621		0.147	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Thorium-234	pCi/g	<.453	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Tin-113	pCi/g	<.0261	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Uranium-234	pCi/g	<7.51	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Uranium-235	pCi/g	<.0448	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130366	F	0	Uranium-238	mg/Kg	.6		999.999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Uranium-238	pCi/g	<.452	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Xenon-133,-133M	pCi/g	<.0608	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Yttrium-88	pCi/g	<.0245	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Zinc-65	pCi/g	<.0608	U	999.9999	SOIL
TA3/5-240-SS-34B	SNL0130681	F	0	Zirconium-95	pCi/g	<.0385	U	999.9999	SOIL
TA3/5-240-SS-34F	SNL0130370	F	0	Niobium-93	mg/Kg	.36		999.999	SOIL
TA3/5-240-SS-34F	SNL0130370	F	0	Uranium-238	mg/Kg	.37		999.999	SOIL
TA3/5-240-SS-34F-D	SNL0130374	D	0	Niobium-93	mg/Kg	.39		999.999	SOIL
TA3/5-240-SS-34F-D	SNL0130374	D	0	Uranium-238	mg/Kg	.42		999.999	SOIL
TA3/5-240-SS-35C	SNL0130378	F	0	Niobium-93	mg/Kg	.25		999.999	SOIL
TA3/5-240-SS-35C	SNL0130378	F	0	Uranium-238	mg/Kg	.42		999.999	SOIL
TA3/5-240-SS-36D	SNL0130382	F	0	Niobium-93	mg/Kg	.33		999.999	SOIL
TA3/5-240-SS-36D	SNL0130382	F	0	Uranium-238	mg/Kg	.43		999.999	SOIL
TA3/5-240-SS-37F	SNL0130386	F	0	Niobium-93	mg/Kg	.32		999.999	SOIL
TA3/5-240-SS-37F	SNL0130386	F	0	Uranium-238	mg/Kg	.48		999.999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Actinium-227	pCi/g	<1.29	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Actinium-228	pCi/g	.735		0.163	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Americium-241	pCi/g	<.0686	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Antimony-124	pCi/g	<.0238	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Antimony-125	pCi/g	<.065	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Antimony-126	pCi/g	<.0218	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Barium-133	pCi/g	<.0305	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Barium-140	pCi/g	<.0793	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Bismuth-207	pCi/g	<.0217	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Bismuth-212	pCi/g	.557		0.286	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Bismuth-214	pCi/g	.465		0.0765	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cadmium-109	pCi/g	<.678	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cerium-139	pCi/g	<.0229	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cerium-144	pCi/g	<.167	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cesium-134	pCi/g	<.0262	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cesium-137	pCi/g	<.0296	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Chromium-51	pCi/g	<.195	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cobalt-56	pCi/g	<.028	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cobalt-57	pCi/g	<.0217	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Cobalt-58	pCi/g	<.0199	U	999.9999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-38C	SNL0130682	F	0	Cobalt-60	pCi/g	<.0376	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Copper-64	pCi/g	<27.2	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Europium-152	pCi/g	<.0642	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Europium-154	pCi/g	<.114	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Europium-155	pCi/g	<.0906	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Gadolinium-153	pCi/g	<.0537	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Indium-115M	pCi/g	<.801	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Iodine-125	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Iodine-129	pCi/g	<0	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Iodine-131	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Iridium-192	pCi/g	<.0202	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Iron-59	pCi/g	<.0508	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Lanthanum-140	pCi/g	<.0314	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Lead-210	pCi/g	1.23		0.852	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Lead-212	pCi/g	.711		0.0688	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Lead-214	pCi/g	.483		0.0926	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Manganese-54	pCi/g	<.0267	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Manganese-56	pCi/g	<2.97	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Mercury-203	pCi/g	<.0244	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Neptunium-237	pCi/g	<.177	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130390	F	0	Niobium-93	mg/Kg	.3		999.999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Niobium-95	pCi/g	<.0925	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Potassium-40	pCi/g	15.7		1	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Protactinium-231	pCi/g	<.97	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Protactinium-233	pCi/g	<.045	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Radium-224	pCi/g	.63		0.666	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Radium-226	pCi/g	1.47		0.652	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Radium-228	pCi/g	.814		0.181	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Ruthenium-103	pCi/g	<.0207	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Ruthenium-106	pCi/g	<.212	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Scandium-46	pCi/g	<.0243	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Silver-110	pCi/g	<.0269	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Sodium-22	pCi/g	<.0425	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Sodium-24	pCi/g	<.0584	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Strontium-85	pCi/g	<.0247	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Tantalum-182	pCi/g	<.244	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thallium-201	pCi/g	<.222	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thallium-208	pCi/g	.218		0.0446	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-227	pCi/g	<.182	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-228	pCi/g	.708		0.0685	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-229	pCi/g	<.0904	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-231	pCi/g	.334		0.205	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-232	pCi/g	.814		0.181	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Thorium-234	pCi/g	1.61		0.517	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Tin-113	pCi/g	<.0267	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Uranium-234	pCi/g	<7.9	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Uranium-235	pCi/g	<.0468	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130390	F	0	Uranium-238	mg/Kg	.44		999.999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Uranium-238	pCi/g	1.61		0.516	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Xenon-133,-133M	pCi/g	<.0617	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Yttrium-88	pCi/g	<.0266	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Zinc-65	pCi/g	<.0657	U	999.9999	SOIL
TA3/5-240-SS-38C	SNL0130682	F	0	Zirconium-95	pCi/g	<.0414	U	999.9999	SOIL
TA3/5-240-SS-38C-D	SNL0130394	D	0	Niobium-93	mg/Kg	.34		999.999	SOIL
TA3/5-240-SS-38C-D	SNL0130394	D	0	Uranium-238	mg/Kg	.38		999.999	SOIL

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ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-SS-38F	SNL0130398	F	0	Niobium-93	mg/Kg	.28		999.999	SOIL
TA3/5-240-SS-38F	SNL0130398	F	0	Uranium-238	mg/Kg	.33		999.999	SOIL
TA3/5-240XR-1A	SNL0150338	F	0	Thorium-232	pCi/each	5680		9999.9999	METAL
TA3/5-240XR-1A	SNL0150338	F	0	Uranium-235	pCi/each	103		9999.9999	METAL
TA3/5-240XR-1A	SNL0150338	F	0	Uranium-238	pCi/each	4910		9999.9999	METAL
TA3/5-240XR-2A	SNL0150340	F	0	Thorium-232	pCi/each	5770		9999.9999	METAL
TA3/5-240XR-2A	SNL0150340	F	0	Uranium-235	pCi/each	129		9999.9999	METAL
TA3/5-240XR-2A	SNL0150340	F	0	Uranium-238	pCi/each	4820		9999.9999	METAL
TA3/5-240XR-3A	SNL0150342	F	0	Thorium-232	pCi/each	520		9999.9999	METAL
TA3/5-240XR-3A	SNL0150342	F	0	Uranium-235	pCi/each	13.1	E	9999.9999	METAL
TA3/5-240XR-3A	SNL0150342	F	0	Uranium-238	pCi/each	307		9999.9999	METAL
TA3/5-240XR-4A	SNL0150344	F	0	Thorium-232	pCi/each	8180		9999.9999	METAL
TA3/5-240XR-4A	SNL0150344	F	0	Uranium-235	pCi/each	33.5	E	9999.9999	METAL
TA3/5-240XR-4A	SNL0150344	F	0	Uranium-238	pCi/each	370	E	9999.9999	METAL
TA3/5-240XR-5A	SNL0150346	F	0	Thorium-232	pCi/each	25.2	E	9999.9999	METAL
TA3/5-240XR-5A	SNL0150346	F	0	Uranium-235	pCi/each	7.15	E	9999.9999	METAL
TA3/5-240XR-5A	SNL0150346	F	0	Uranium-238	pCi/each	46.7	E	9999.9999	METAL
TA3/5-240-FBA	SNL0130677	FB	0	Actinium-227	pCi/g	<.556	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Actinium-228	pCi/g	<.0445	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Americium-241	pCi/g	<.02	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Antimony-124	pCi/g	<.0132	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Antimony-125	pCi/g	<.0367	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Antimony-126	pCi/g	<.00986	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Argon-41	pCi/g	<.173	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Barium-133	pCi/g	<.0151	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Barium-140	pCi/g	<.0444	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Beryllium-7	pCi/g	<.111	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Bismuth-207	pCi/g	<.0108	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Bismuth-212	pCi/g	<.0911	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Bismuth-214	pCi/g	<.0452	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cadmium-109	pCi/g	<.212	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cerium-139	pCi/g	<.0104	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cerium-144	pCi/g	<.0743	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cesium-134	pCi/g	<.0119	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cesium-137	pCi/g	<.0119	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Chromium-51	pCi/g	<.0925	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cobalt-56	pCi/g	<.0168	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cobalt-57	pCi/g	<.00962	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cobalt-58	pCi/g	<.0105	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Cobalt-60	pCi/g	<.0126	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Copper-64	pCi/g	<3.92	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Europium-152	pCi/g	<.0286	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Europium-154	pCi/g	<.0551	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Europium-155	pCi/g	<.0364	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Gadolinium-153	pCi/g	<.0226	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Indium-115M	pCi/g	<.0615	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Iodine-125	pCi/g	<0	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Iodine-129	pCi/g	<0	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Iodine-131	pCi/g	<.0126	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Iridium-192	pCi/g	<.0119	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Iron-59	pCi/g	<.0248	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Lanthanum-140	pCi/g	<.013	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Lead-210	pCi/g	<0	U	999.9999	WATER

ER Site 240 RFI Analytical Results for Soil Samples; Gamma Spectroscopic Analyses

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Units	Amount Detected	QC Flag	Uncertainty (+/-)	Material Description
TA3/5-240-FBA	SNL0130677	FB	0	Lead-212	pCi/g	<.0281	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Lead-214	pCi/g	<.0408	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Manganese-54	pCi/g	<.0105	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Manganese-56	pCi/g	<.0956	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Mercury-203	pCi/g	<.0124	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Neptunium-237	pCi/g	<.0537	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Niobium-95	pCi/g	<.0408	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Potassium-40	pCi/g	<.165	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Protactinium-231	pCi/g	<.416	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Protactinium-233	pCi/g	<.0274	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Radium-224	pCi/g	.448		0.236	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Radium-226	pCi/g	<.306	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Radium-228	pCi/g	<.0493	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Ruthenium-103	pCi/g	<.0102	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Ruthenium-106	pCi/g	<.106	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Scandium-46	pCi/g	<.01367	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Silver-110	pCi/g	<.0129	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Sodium-22	pCi/g	<.0134	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Sodium-24	pCi/g	<.0145	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Strontium-85	pCi/g	<.0152	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Tantalum-182	pCi/g	<.0741	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thallium-201	pCi/g	<.0889	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thallium-208	pCi/g	<.0154	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-227	pCi/g	<.0858	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-228	pCi/g	<.028	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-229	pCi/g	<.0403	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-231	pCi/g	<.0952	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-232	pCi/g	<.0493	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Thorium-234	pCi/g	<.173	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Tin-113	pCi/g	<.0153	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Uranium-234	pCi/g	<3.66	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Uranium-235	pCi/g	<.0188	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Uranium-238	pCi/g	<.173	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Xenon-133,-133M	pCi/g	<.0195	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Yttrium-88	pCi/g	<.0115	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Zinc-65	pCi/g	<.0264	U	999.9999	WATER
TA3/5-240-FBA	SNL0130677	FB	0	Zirconium-95	pCi/g	<.0168	U	999.9999	WATER

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240-F1	SNL0150325	F	0	Arsenic	6010	ug/L	<280	U	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Barium	6010	ug/L	1510	B	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Cadmium	6010	ug/L	15	B	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Chromium	6010	ug/L	280	B	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Lead	6010	ug/L	269	B	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Selenium	6010	ug/L	<89	U	METAL	Geotech
TA3/5-240-F1	SNL0150325	F	0	Silver	6010	ug/L	221	B	METAL	Geotech
TA3/5-240-FBA	SNL0130400	FB	0	Beryllium	6010	mg/L	<.004	U	WATER	QUANTERRA
TA3/5-240-FBA	SNL0130400	FB	0	Lead	6010	mg/L	<.1	U	WATER	QUANTERRA
TA3/5-240-FBA	SNL0130265	FB	0	Lead	7421	mg/L	.0028	J	WATER	QUANTERRA
TA3/5-240-FBA	SNL0130400	FB	0	Lithium	6010	mg/L	<.1	U	WATER	QUANTERRA
TA3/5-240-FBA	SNL0130402	FB	0	Mercury	7470	mg/L	<.0002	U	WATER	QUANTERRA
TA3/5-240-FBA	SNL0130401	FB	0	Niobium-93	6020	mg/L	.00026		WATER	QUANTERRA
TA3/5-240-FBA	SNL0130401	FB	0	Uranium-238	6020	mg/L	<.00005	U	WATER	QUANTERRA
TA3/5-240-S1	SNL0150324	F	0	Arsenic	6010	ug/L	<280	U	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Barium	6010	ug/L	1480	B	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Cadmium	6010	ug/L	2	B	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Chromium	6010	ug/L	52	B	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Lead	6010	ug/L	64	B	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Selenium	6010	ug/L	<89	U	SOIL	Geotech
TA3/5-240-S1	SNL0150324	F	0	Silver	6010	ug/L	50	B	SOIL	Geotech
TA3/5-240-SS-01-C	SNL0130246	F	0	Lead	7421	mg/kg	104		SOIL	QUANTERRA
TA3/5-240-SS-03-C	SNL0130248	F	0	Lead	7421	mg/kg	3.7		SOIL	QUANTERRA
TA3/5-240-SS-04-C	SNL0130250	F	0	Lead	7421	mg/kg	14.2		SOIL	QUANTERRA
TA3/5-240-SS-05-C	SNL0130252	F	0	Lead	7421	mg/kg	12.8		SOIL	QUANTERRA
TA3/5-240-SS-05D-C	SNL0130254	D	0	Lead	7421	mg/kg	12.2		SOIL	QUANTERRA
TA3/5-240-SS-06-C	SNL0130256	F	0	Lead	7421	mg/kg	8.2		SOIL	QUANTERRA
TA3/5-240-SS-07-C	SNL0130257	F	0	Lead	7421	mg/kg	6.5		SOIL	QUANTERRA
TA3/5-240-SS-08-C	SNL0130258	F	0	Lead	7421	mg/kg	12.4		SOIL	QUANTERRA

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240-SS-11-C	SNL0130259	F	0	Lead	7421	mg/kg	6.7		SOIL	QUANTERRA
TA3/5-240-SS-13-C	SNL0130260	F	0	Lead	7421	mg/kg	8.3		SOIL	QUANTERRA
TA3/5-240-SS-14-C	SNL0130261	F	0	Lead	7421	mg/kg	9		SOIL	QUANTERRA
TA3/5-240-SS-17-C	SNL0130262	F	0	Lead	7421	mg/kg	8.8		SOIL	QUANTERRA
TA3/5-240-SS-18-C	SNL0130263	F	0	Lead	7421	mg/kg	8.9		SOIL	QUANTERRA
TA3/5-240-SS-18-C	NL/NM016871	SD		Lead	7421	mg/kg	11.9		SOIL	
TA3/5-240-SS-19A	SNL0130291	F	0	Beryllium	6010	mg/kg	.62		SOIL	QUANTERRA
TA3/5-240-SS-19A	SNL0130291	F	0	Lead	6010	mg/kg	13.2		SOIL	QUANTERRA
TA3/5-240-SS-19A	SNL0130291	F	0	Lithium	6010	mg/kg	6.2		SOIL	QUANTERRA
TA3/5-240-SS-19A	SNL0130292	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-19F	SNL0130295	F	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA
TA3/5-240-SS-19F	SNL0130295	F	0	Lead	6010	mg/kg	132		SOIL	QUANTERRA
TA3/5-240-SS-19F	SNL0130295	F	0	Lithium	6010	mg/kg	5.6		SOIL	QUANTERRA
TA3/5-240-SS-19F	SNL0130296	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-19F-D	SNL0130299	D	0	Beryllium	6010	mg/kg	.45		SOIL	QUANTERRA
TA3/5-240-SS-19F-D	SNL0130299	D	0	Lead	6010	mg/kg	9.1		SOIL	QUANTERRA
TA3/5-240-SS-19F-D	SNL0130299	D	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-19F-D	SNL0130300	D	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-21B	SNL0130303	F	0	Beryllium	6010	mg/kg	.34		SOIL	QUANTERRA
TA3/5-240-SS-21B	SNL0130303	F	0	Lead	6010	mg/kg	9.5		SOIL	QUANTERRA
TA3/5-240-SS-21B	SNL0130303	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-21B	SNL0130304	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-21D	SNL0130307	F	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA
TA3/5-240-SS-21D	SNL0130307	F	0	Lead	6010	mg/kg	9.3		SOIL	QUANTERRA
TA3/5-240-SS-21D	SNL0130307	F	0	Lithium	6010	mg/kg	5		SOIL	QUANTERRA
TA3/5-240-SS-21D	SNL0130308	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-24B	SNL0130311	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-24B	SNL0130311	F	0	Lead	6010	mg/kg	12.1		SOIL	QUANTERRA
TA3/5-240-SS-24B	SNL0130311	F	0	Lithium	6010	mg/kg	6.8		SOIL	QUANTERRA

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240-SS-24B	SNL0130312	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-24F	SNL0130315	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-24F	SNL0130315	F	0	Lead	6010	mg/kg	12.1		SOIL	QUANTERRA
TA3/5-240-SS-24F	SNL0130315	F	0	Lithium	6010	mg/kg	5.3		SOIL	QUANTERRA
TA3/5-240-SS-24F	SNL0130316	F	0	Mercury	7471	mg/kg	.065	J	SOIL	QUANTERRA
TA3/5-240-SS-25A	SNL0130319	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-25A	SNL0130319	F	0	Lead	6010	mg/kg	9		SOIL	QUANTERRA
TA3/5-240-SS-25A	SNL0130319	F	0	Lithium	6010	mg/kg	6.2		SOIL	QUANTERRA
TA3/5-240-SS-25A	SNL0130320	F	0	Mercury	7471	mg/kg	.065	J	SOIL	QUANTERRA
TA3/5-240-SS-25E	SNL0130323	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-25E	SNL0130323	F	0	Lead	6010	mg/kg	10.8		SOIL	QUANTERRA
TA3/5-240-SS-25E	SNL0130323	F	0	Lithium	6010	mg/kg	8.2		SOIL	QUANTERRA
TA3/5-240-SS-25E	SNL0130324	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-26E	SNL0130327	F	0	Beryllium	6010	mg/kg	.34		SOIL	QUANTERRA
TA3/5-240-SS-26E	SNL0130327	F	0	Lead	6010	mg/kg	8.2		SOIL	QUANTERRA
TA3/5-240-SS-26E	SNL0130327	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-26E	SNL0130328	F	0	Mercury	7471	mg/kg	.056	J	SOIL	QUANTERRA
TA3/5-240-SS-27B	SNL0130331	F	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA
TA3/5-240-SS-27B	SNL0130331	F	0	Lead	6010	mg/kg	9.2		SOIL	QUANTERRA
TA3/5-240-SS-27B	SNL0130331	F	0	Lithium	6010	mg/kg	6.7		SOIL	QUANTERRA
TA3/5-240-SS-27B	SNL0130332	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-27F	SNL0130335	F	0	Beryllium	6010	mg/kg	.35		SOIL	QUANTERRA
TA3/5-240-SS-27F	SNL0130335	F	0	Lead	6010	mg/kg	7.9		SOIL	QUANTERRA
TA3/5-240-SS-27F	SNL0130335	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-27F	SNL0130336	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-29C	SNL0130339	F	0	Beryllium	6010	mg/kg	.5		SOIL	QUANTERRA
TA3/5-240-SS-29C	SNL0130339	F	0	Lead	6010	mg/kg	7.9		SOIL	QUANTERRA
TA3/5-240-SS-29C	SNL0130339	F	0	Lithium	6010	mg/kg	7.6		SOIL	QUANTERRA
TA3/5-240-SS-29C	SNL0130340	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240-SS-30E	SNL0130343	F	0	Beryllium	6010	mg/kg	.34		SOIL	QUANTERRA
TA3/5-240-SS-30E	SNL0130343	F	0	Lead	6010	mg/kg	11.6		SOIL	QUANTERRA
TA3/5-240-SS-30E	SNL0130343	F	0	Lithium	6010	mg/kg	5		SOIL	QUANTERRA
TA3/5-240-SS-30E	SNL0130344	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-31A	SNL0130347	F	0	Beryllium	6010	mg/kg	.39		SOIL	QUANTERRA
TA3/5-240-SS-31A	SNL0130347	F	0	Lead	6010	mg/kg	6.3		SOIL	QUANTERRA
TA3/5-240-SS-31A	SNL0130347	F	0	Lithium	6010	mg/kg	5.3		SOIL	QUANTERRA
TA3/5-240-SS-31A	SNL0130348	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-31E	SNL0130351	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-31E	SNL0130351	F	0	Lead	6010	mg/kg	4.8	J	SOIL	QUANTERRA
TA3/5-240-SS-31E	SNL0130351	F	0	Lithium	6010	mg/kg	5.9		SOIL	QUANTERRA
TA3/5-240-SS-31E	SNL0130352	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-33B	SNL0130355	F	0	Beryllium	6010	mg/kg	.34		SOIL	QUANTERRA
TA3/5-240-SS-33B	SNL0130355	F	0	Lead	6010	mg/kg	6		SOIL	QUANTERRA
TA3/5-240-SS-33B	SNL0130355	F	0	Lithium	6010	mg/kg	6.4		SOIL	QUANTERRA
TA3/5-240-SS-33B	SNL0130356	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-33D	SNL0130359	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-33D	SNL0130359	F	0	Lead	6010	mg/kg	6.3		SOIL	QUANTERRA
TA3/5-240-SS-33D	SNL0130359	F	0	Lithium	6010	mg/kg	5.3		SOIL	QUANTERRA
TA3/5-240-SS-33D	SNL0130360	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-34B	SNL0130363	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-34B	SNL0130363	F	0	Lead	6010	mg/kg	6.3		SOIL	QUANTERRA
TA3/5-240-SS-34B	SNL0130363	F	0	Lithium	6010	mg/kg	6.9		SOIL	QUANTERRA
TA3/5-240-SS-34B	SNL0130364	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-34F	SNL0130367	F	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA
TA3/5-240-SS-34F	SNL0130367	F	0	Lead	6010	mg/kg	14		SOIL	QUANTERRA
TA3/5-240-SS-34F	SNL0130367	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-34F	SNL0130368	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-34F-D	SNL0130371	D	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240-SS-34F-D	SNL0130371	D	0	Lead	6010	mg/kg	14.3		SOIL	QUANTERRA
TA3/5-240-SS-34F-D	SNL0130371	D	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-34F-D	SNL0130372	D	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-35C	SNL0130375	F	0	Beryllium	6010	mg/kg	.45		SOIL	QUANTERRA
TA3/5-240-SS-35C	SNL0130375	F	0	Lead	6010	mg/kg	10.2		SOIL	QUANTERRA
TA3/5-240-SS-35C	SNL0130375	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-35C	SNL0130376	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-36D	SNL0130379	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-36D	SNL0130379	F	0	Lead	6010	mg/kg	10.5		SOIL	QUANTERRA
TA3/5-240-SS-36D	SNL0130379	F	0	Lithium	6010	mg/kg	5.7		SOIL	QUANTERRA
TA3/5-240-SS-36D	SNL0130380	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-37F	SNL0130383	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-37F	SNL0130383	F	0	Lead	6010	mg/kg	6.2		SOIL	QUANTERRA
TA3/5-240-SS-37F	SNL0130383	F	0	Lithium	6010	mg/kg	6.5		SOIL	QUANTERRA
TA3/5-240-SS-37F	SNL0130384	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-38C	SNL0130387	F	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-38C	SNL0130387	F	0	Lead	6010	mg/kg	10.8		SOIL	QUANTERRA
TA3/5-240-SS-38C	SNL0130387	F	0	Lithium	6010	mg/kg	5.2		SOIL	QUANTERRA
TA3/5-240-SS-38C	SNL0130388	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-38C-D	SNL0130391	D	0	Beryllium	6010	mg/kg	.56		SOIL	QUANTERRA
TA3/5-240-SS-38C-D	SNL0130391	D	0	Lead	6010	mg/kg	7.1		SOIL	QUANTERRA
TA3/5-240-SS-38C-D	SNL0130391	D	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-38C-D	SNL0130392	D	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240-SS-38F	SNL0130395	F	0	Beryllium	6010	mg/kg	.57		SOIL	QUANTERRA
TA3/5-240-SS-38F	SNL0130395	F	0	Lead	6010	mg/kg	12		SOIL	QUANTERRA
TA3/5-240-SS-38F	SNL0130395	F	0	Lithium	6010	mg/kg	<5	U	SOIL	QUANTERRA
TA3/5-240-SS-38F	SNL0130396	F	0	Mercury	7471	mg/kg	<.1	U	SOIL	QUANTERRA
TA3/5-240XR-1A	SNL0150339	F	0	Antimony	XRF	mg/kg	-3.319		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Arsenic	XRF	mg/kg	33.863		METAL	AREA III LAB

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240XR-1A	SNL0150339	F	0	Barium	XRF	mg/kg	94.323		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Cadmium	XRF	mg/kg	-5.183		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Calcium	XRF	mg/kg	130000		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Chromium	XRF	mg/kg	219.751		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Cobalt	XRF	mg/kg	<30	U	METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Copper	XRF	mg/kg	39		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Iron	XRF	mg/kg	10000		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Lead	XRF	mg/kg	<15	U	METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Manganese	XRF	mg/kg	118.225		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Mercury	XRF	mg/kg	<20	U	METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Nickel	XRF	mg/kg	32067.199		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Potassium	XRF	mg/kg	2600		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Silver	XRF	mg/kg	-2.877		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Titanium, soluble	XRF	mg/kg	1822.95		METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Vanadium	XRF	mg/kg	<70	U	METAL	AREA III LAB
TA3/5-240XR-1A	SNL0150339	F	0	Zinc	XRF	mg/kg	142.619		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Antimony	XRF	mg/kg	-5.443		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Arsenic	XRF	mg/kg	41.837		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Barium	XRF	mg/kg	30.084		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Cadmium	XRF	mg/kg	-8.425		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Calcium	XRF	mg/kg	80000		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Chromium	XRF	mg/kg	213.702		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Cobalt	XRF	mg/kg	-.532		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Copper	XRF	mg/kg	171		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Iron	XRF	mg/kg	10000		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Lead	XRF	mg/kg	<15	U	METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Manganese	XRF	mg/kg	153.144		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Mercury	XRF	mg/kg	<20	U	METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Nickel	XRF	mg/kg	12250.453		METAL	AREA III LAB

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240XR-2A	SNL0150341	F	0	Potassium	XRF	mg/kg	4500		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Silver	XRF	mg/kg	<10	U	METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Titanium, soluble	XRF	mg/kg	1326.943		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Vanadium	XRF	mg/kg	-55.888		METAL	AREA III LAB
TA3/5-240XR-2A	SNL0150341	F	0	Zinc	XRF	mg/kg	180.173		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Antimony	XRF	mg/kg	<10	U	METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Arsenic	XRF	mg/kg	-15.544		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Barium	XRF	mg/kg	-9.599		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Cadmium	XRF	mg/kg	-1.32		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Calcium	XRF	mg/kg	10000		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Chromium	XRF	mg/kg	94.709		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Cobalt	XRF	mg/kg	-1.288		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Copper	XRF	mg/kg	37		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Iron	XRF	mg/kg	400		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Lead	XRF	mg/kg	<15	U	METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Manganese	XRF	mg/kg	-14.521		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Mercury	XRF	mg/kg	<20	U	METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Nickel	XRF	mg/kg	3600.854		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Potassium	XRF	mg/kg	<300	U	METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Silver	XRF	mg/kg	<10	U	METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Titanium, soluble	XRF	mg/kg	172.786		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Vanadium	XRF	mg/kg	-2.967		METAL	AREA III LAB
TA3/5-240XR-3A	SNL0150343	F	0	Zinc	XRF	mg/kg	48.103		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Antimony	XRF	mg/kg	-5.817		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Arsenic	XRF	mg/kg	48.183		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Barium	XRF	mg/kg	41.538		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Cadmium	XRF	mg/kg	11.576		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Calcium	XRF	mg/kg	60000		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Chromium	XRF	mg/kg	135.772		METAL	AREA III LAB

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240XR-4A	SNL0150345	F	0	Cobalt	XRF	mg/kg	-1.867		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Copper	XRF	mg/kg	69		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Iron	XRF	mg/kg	10000		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Lead	XRF	mg/kg	<15	U	METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Manganese	XRF	mg/kg	198.404		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Mercury	XRF	mg/kg	<20	U	METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Nickel	XRF	mg/kg	46629.934		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Potassium	XRF	mg/kg	10000		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Silver	XRF	mg/kg	-3.138		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Titanium, soluble	XRF	mg/kg	1465.878		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Vanadium	XRF	mg/kg	-20.049		METAL	AREA III LAB
TA3/5-240XR-4A	SNL0150345	F	0	Zinc	XRF	mg/kg	467.162		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Antimony	XRF	mg/kg	102.762		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Arsenic	XRF	mg/kg	-2.703		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Barium	XRF	mg/kg	39.645		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Cadmium	XRF	mg/kg	65.837		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Calcium	XRF	mg/kg	30000		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Chromium	XRF	mg/kg	4207.761		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Cobalt	XRF	mg/kg	-2.57		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Copper	XRF	mg/kg	90		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Iron	XRF	mg/kg	1580		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Lead	XRF	mg/kg	232.64		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Manganese	XRF	mg/kg	371.899		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Mercury	XRF	mg/kg	<20	U	METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Nickel	XRF	mg/kg	333712.438		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Potassium	XRF	mg/kg	2000		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Silver	XRF	mg/kg	105.882		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Titanium, soluble	XRF	mg/kg	2055.518		METAL	AREA III LAB
TA3/5-240XR-5A	SNL0150347	F	0	Vanadium	XRF	mg/kg	-30.047		METAL	AREA III LAB

ER Site 240 RFI Analytical Results for Soil Samples; Metals (EPA Method 6010)

ER Sample ID	Sample Number	Sample Type	Sample Depth (Feet)	Analyte	Analytical Method	Units	Amount Detected	QC Flag	Material Description	Laboratory
TA3/5-240XR-5A	SNL0150347	F	0	Zinc	XRF	mg/kg	24539.918		METAL	AREA III LAB

Sandia National Laboratories

SF 2001-COC (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AR/COC- 00 1

PAGE 1 OF 2

Department No.:	7682	Date Samples Shipped:	6/14/94	Bill to:	Sandia National Laboratories
Project/Task Manager:	CHRIS ARS / PAULA SLAVIN	Carrier/Waybill No.:	A41333		Supplier Services Department
Project Name:	TA 3/5 - SITE 240	Lab Destination:	EMSECO / LMAL		P.O. Box 5800 MS 0154
Sample Team Members	TIM JACKSON	Lab Contact:	ELLEN LA RIVIERE		Albuquerque, NM 87185-0154
	PAULA SLAVIN	SMO Contact/Phone:	(505) 848-0402	Contract No.:	07-9736B
	JOHN BOYD	Send Report to SMO:	PAM PUSSANT	Case No.:	3617.300
SCL or Logbook Ref. No.:	00614	SMO Reference No.:	301455.152.02	SMO Authorization:	D. M[illegible]

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
016859 -1	SOIL	6-13-94/950	GLASS	16 oz	4°C	EXPLOSIVE RESIDUE (8330), Be, Li, Hg, Nb, TOT. Pb + U	362041	GOOD
016860 -1		955					2	
016861 -1		1000					3	
016862 -1		1015					4	
016863 -1		1020					5	
016864 -1		1022				Be, Li, Hg, Nb, TOT. Pb + U	6	
016865 -1		1027					7	
016866 -1		1033					8	
016867 -1		1045					9	
016868-1		1050					10	
016869-1		1055					11	

Possible Hazard Identification
☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Radiological

*Reference attached radiological screening for specific contact readings.

Turnaround Time
☑ Normal ☐ Rush _____ Required Report Date PER CONTRACT

Sample Disposal
☐ Return to Client ☒ Disposal by Lab Archive Until PER CONTRACT

Special Instructions/QC Requirements Please fax results to Paula Slavin at (505) 848-0417.
- EXPLOSIVE RESIDUE (8330)
- Be, Li, Hg, Nb - ICP-MS
- TOTAL Lead, URANIUM - 6020/7421

1. Relinquished by	Tim Jackson	Org. ITC	Date 6-13-94	Time 1315	4. Relinquished by	Org.	Date	Time
1. Received by	John Boyd	Org. SMO-7576	Date 6-13-94	Time 1315	4. Received by	Org.	Date	Time
2. Relinquished by	John Boyd	Org. SMO-7576	Date 6-14-94	Time 1400	5. Relinquished by	Org.	Date	Time
2. Received by	Bonnie Hayes	Org. LMAL	Date 6/15/94	Time 0830	5. Received by	Org.	Date	Time
3. Relinquished by		Org.	Date	Time	6. Relinquished by	Org.	Date	Time
3. Received by		Org.	Date	Time	6. Received by	Org.	Date	Time

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

National Laboratories

SF 2001-COD (12-93)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD
(continuation)

AR/COC- 00071

Project Name: TA 3/6 - SITE 240 Project/Task Manager: PAULA SLAVIN Case No.: 3617.200

Sample Number - Fraction	Sample Matrix	Date/Time Collected	Container Type	Sample Volume	Preservative	Required Analytical Testing	Lab Sample Number	Condition on Receipt
SNL/NM 016870 - 1	SOIL	6-13-94 / 1100	GLASS	16 oz	ICE, 4°C	Be, Li, Hg, Nb, TOT Pb + U	36204 12	good
016871 - 1	↓	1105	↓	2X 16 oz	ICE, 4°C	↓ ↓ MS/MSD	13	MS/SD
016872 - 1	WATER	1120	↓	2X 1 L	ICE, 4°C	EXPLOSIVE RESIDUE	14	
↓ - 2	WATER	↓ 1120	1 Poly 1 glass	2X 500ml	HNO_3	Be, Li, Hg, Nb, TOT. Pb + U	↓ 15	↓
						Rec'd by Bonnie Mayer 6/15/94	0830	

WHITE - To Accompany Samples, Laboratory Copy BLUE- To Accompany Samples, Return to SMO YELLOW- SMO Suspense Copy PINK- Field Copy

Enseco

RECEIVED
JUL 21 1994
SNL/SMO

July 20, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for thirteen soil samples and two aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on June 15, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #036204

DATA REVIEWED
By: MB Yousia Date: 8-4-94
Checked:
Approved:

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 036204

JULY 20, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 15, 1994, Enseco-Rocky Mountain Analytical Laboratory received thirteen soil samples and two aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The Method 8330 QC lot 27 JUN 94-N1 shows the average percent accuracy for nitrobenzene exceeding the control limits. In addition the Method 8330 QC lot 16 JUN 94-N1 has the average percent accuracy and relative percent difference for 1,3,5-trinitrobenzene and the percent accuracy for 4-amino-2,6-dinitrotoluene exceeding the control limits. Because no target compounds were detected in any of the samples associated with these QC lots, no further action was required and the data were deemed acceptable for reporting.

Metals Data Review

Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits have been adjusted relative to the dilution required. Rocky Mountain Analytical Laboratory samples 036204-0001-SA, -0003-SA through -0006-SA, -0008-SA through -0013-SA, -0013-MS and -0013-SD were analyzed at a dilution for Method 7421 due to the concentration of lead in the samples.

The relative percent difference (RPD) for the matrix spike/matrix spike duplicate (036204-0013-MS and -0013-SD) exceeded the Enseco advisory limits of 20 percent. Because the RPD for the duplicate control samples (DCS) was within acceptable limits, a matrix effect was indicated and no further action was required.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036204-0001-SA	SNL/NM016859-1	SOIL	13 JUN 94	09:50	15 JUN 94
036204-0002-SA	SNL/NM016860-1	SOIL	13 JUN 94	09:55	15 JUN 94
036204-0003-SA	SNL/NM016861-1	SOIL	13 JUN 94	10:00	15 JUN 94
036204-0004-SA	SNL/NM016862-1	SOIL	13 JUN 94	10:15	15 JUN 94
036204-0005-SA	SNL/NM016863-1	SOIL	13 JUN 94	10:20	15 JUN 94
036204-0006-SA	SNL/NM016864-1	SOIL	13 JUN 94	10:22	15 JUN 94
036204-0007-SA	SNL/NM016865-1	SOIL	13 JUN 94	10:27	15 JUN 94
036204-0008-SA	SNL/NM016866-1	SOIL	13 JUN 94	10:33	15 JUN 94
036204-0009-SA	SNL/NM016867-1	SOIL	13 JUN 94	10:45	15 JUN 94
036204-0010-SA	SNL/NM016868-1	SOIL	13 JUN 94	10:50	15 JUN 94
036204-0011-SA	SNL/NM016869-1	SOIL	13 JUN 94	10:55	15 JUN 94
036204-0012-SA	SNL/NM016870-1	SOIL	13 JUN 94	11:00	15 JUN 94
036204-0013-SA	SNL/NM016871-1	SOIL	13 JUN 94	11:05	15 JUN 94
036204-0013-MS	SNL/NM016871-1	SOIL	13 JUN 94	11:05	15 JUN 94
036204-0013-SD	SNL/NM016871-1	SOIL	13 JUN 94	11:05	15 JUN 94
036204-0014-SA	SNL/NM016872-1	AQUEOUS	13 JUN 94	11:20	15 JUN 94
036204-0015-SA	SNL/NM016872-2	AQUEOUS	13 JUN 94	11:20	15 JUN 94

Enseco

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036204	Group Code	Analysis Description	Custom Test?
0001 - 0005	A	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		Lead, Furnace AA	N
		Prep - Total Metals, Furnace AA	N
0006 - 0013	B	Lead, Furnace AA	N
		Prep - Total Metals, Furnace AA	N
0014	C	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0015	D	Lead, Furnace AA (Total)	N
		Prep - Total Metals, Furnace AA	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016859-1
Lab ID: 036204-0001-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 27 JUN 94 Analyzed: 14 JUL 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

eported By: Blake Besser Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016860-1
Lab ID: 036204-0002-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 27 JUN 94 Analyzed: 14 JUL 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Blake Besser Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016861-1
Lab ID: 036204-0003-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 27 JUN 94 Analyzed: 14 JUL 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

eported By: Blake Besser Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016862-1
Lab ID: 036204-0004-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 27 JUN 94 Analyzed: 14 JUL 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

Reported By: Blake Besser Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016863-1
Lab ID: 036204-0005-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 27 JUN 94 Analyzed: 14 JUL 94

Parameter	Result	Wet wt. Units	Reporting Limit
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

ND = Not detected
NA = Not applicable

orted By: Blake Besser Approved By: Audrey Verniero

Enseco

Explosives by HPLC - Low Level

Method HPLC

Client Name: Sandia National Laboratory
Client ID: SNL/NM016872-1
Lab ID: 036204-0014-SA
Matrix: AQUEOUS Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: 16 JUN 94 Analyzed: 29 JUN 94

Parameter	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

ND = Not detected
NA = Not applicable

Reported By: Blake Besser Approved By: Audrey Verniero

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016859-1
Lab ID: 036204-0001-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	104	mg/kg	25.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

eported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016860-1
Lab ID: 036204-0002-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	3.7	mg/kg	0.50	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016861-1
Lab ID: 036204-0003-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	14.2	mg/kg	2.5	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

ported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016862-1
Lab ID: 036204-0004-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	12.8	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016863-1
Lab ID: 036204-0005-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	12.2	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

eported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016864-1
Lab ID: 036204-0006-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	8.2	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016865-1
Lab ID: 036204-0007-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	6.5	mg/kg	0.50	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016866-1
Lab ID: 036204-0008-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	12.4	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016867-1
Lab ID: 036204-0009-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	6.7	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

eported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016868-1
Lab ID: 036204-0010-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	8.3	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016869-1
Lab ID: 036204-0011-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	9.0	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

ported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016870-1
Lab ID: 036204-0012-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	8.8	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016871-1
Lab ID: 036204-0013-SA
Matrix: SOIL Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Wet wt. Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Lead	8.9	mg/kg	1.0	7421	06 JUL 94	08 JUL 94

ND = Not detected
NA = Not applicable

Reported By: Mark Woolley Approved By: Jamie Wickham

Enseco

Metals

Total Metals

Client Name: Sandia National Laboratory
Client ID: SNL/NM016872-2
Lab ID: 036204-0015-SA
Matrix: AQUEOUS Sampled: 13 JUN 94 Received: 15 JUN 94
Authorized: 15 JUN 94 Prepared: See Below Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date	
Lead	0.0028	mg/L	0.0050	7421	06 JUL 94	11 JUL 94	J

Note J : Result is detected below the reporting limit or is an estimated concentration.

ND = Not detected
NA = Not applicable

Reported By: Norma Baier Approved By: Jamie Wickham

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

Enseco

LOT ASSIGNMENT REPORT
.ganics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036204-0001-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036204-0002-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036204-0003-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036204-0004-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036204-0005-SA	SOIL	8330-LL-S	27 JUN 94-N1	27 JUN 94-N1
036204-0014-SA	AQUEOUS	8330-LL-A	16 JUN 94-N1	16 JUN 94-N1

Enseco

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precision (RPD) DCS	Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 27 JUN 94-N1								
Concentration Units: ug/g								
HMX	5.00	5.74	5.84	5.79	116	82-153	1.7	10
RDX	5.00	5.86	5.97	5.92	118	62-176	1.9	17
1,3,5-Trinitrobenzene	5.00	5.54	5.48	5.51	110	60-149	1.1	19
1,3-Dinitrobenzene	5.00	6.12	6.20	6.16	123	73-145	1.3	10
Tetryl	5.00	2.27	2.47	2.37	47	1-115	8.4	50
Nitrobenzene	5.00	6.75	6.89	6.82	136	73-135	2.1	10
2,4,6-Trinitrotoluene	5.00	5.02	5.15	5.08	102	1-160	2.6	15
4-Amino-2,6-dinitrotoluene	5.00	6.84	6.86	6.85	137	84-181	0.3	22
2-Amino-4,6-dinitrotoluene	5.00	6.28	6.38	6.33	127	82-140	1.6	14
2,6-Dinitrotoluene	5.00	5.68	5.73	5.70	114	85-120	0.9	10
2,4-Dinitrotoluene	5.00	6.23	6.27	6.25	125	78-133	0.6	10
2-Nitrotoluene	5.00	5.72	5.86	5.79	116	81-126	2.4	10
4-Nitrotoluene	5.00	6.03	6.13	6.08	122	79-125	1.6	10
3-Nitrotoluene	5.00	4.51	4.58	4.54	91	78-131	1.5	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 16 JUN 94-N1								
Concentration Units: ug/L								
HMX	2.50	2.03	2.42	2.22	89	58-131	18	27
RDX	2.50	1.55	1.94	1.74	70	67-149	22	26
1,3,5-Trinitrobenzene	2.50	3.91	5.16	4.54	181	44-140	28	23
1,3-Dinitrobenzene	2.50	1.87	2.15	2.01	80	41-110	14	30
Tetryl	12.5	3.65	3.99	3.82	31	1-104	8.9	38
Nitrobenzene	2.50	1.27	1.37	1.32	53	24- 80	7.6	50
2,4,6-Trinitrotoluene	12.5	2.34	2.80	2.57	21	1-113	18	22
4-Amino-2,6-dinitrotoluene	2.50	5.74	7.19	6.46	259	65-160	22	38
2-Amino-4,6-dinitrotoluene	2.50	1.98	2.31	2.14	86	50-121	15	35
2,6-Dinitrotoluene	2.50	1.39	1.84	1.62	65	39- 94	28	35
2,4-Dinitrotoluene	2.50	1.83	2.17	2.00	80	46-102	17	27
2-Nitrotoluene	2.50	1.08	1.18	1.13	45	23- 84	8.8	50
4-Nitrotoluene	2.50	1.17	1.34	1.26	50	26- 86	14	50
3-Nitrotoluene	2.50	1.27	1.42	1.34	54	23- 86	11	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
·ganics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 27 JUN 94-N1 QC Run: 27 JUN 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25
Test: 8330-COE-LL-A			
·rix: AQUEOUS			
Lot: 16 JUN 94-N1 QC Run: 16 JUN 94-N1			
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

Enseco

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036204-0001-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0002-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0003-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0004-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0005-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0006-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0007-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0008-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0009-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0010-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0011-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0012-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0013-SA	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0013-MS	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0013-SD	SOIL	PB-FAA-S	06 JUL 94-9N	06 JUL 94-9N
036204-0015-SA	AQUEOUS	PB-FAA-AT	06 JUL 94-9M	06 JUL 94-9M

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DUPLICATE CONTROL SAMPLE REPORT
tals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: PB-FAA-S Matrix: SOIL QC Lot: 06 JUL 94-9N Concentration Units: mg/kg								
Lead	3.00	2.65	2.91	2.78	93	75-125	9.4	20
Category: PB-FAA-AT Matrix: AQUEOUS QC Lot: 06 JUL 94-9M Concentration Units: mg/L								
Lead	0.0300	0.0315	0.0284	0.0300	100	75-125	10	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: PB-FAA-S Matrix: SOIL QC Lot: 06 JUL 94-9N QC Run: 06 JUL 94-9N			
Lead	ND	mg/kg	0.50
Test: PB-FAA-S Matrix: SOIL QC Lot: 06 JUL 94-9N QC Run: 06 JUL 94-9N			
Lead	ND	mg/kg	0.50
Test: PB-FAA-AT Matrix: AQUEOUS QC Lot: 06 JUL 94-9M QC Run: 06 JUL 94-9M			
Lead	ND	mg/L	0.0050

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	PB-FAA-S	036204-0013-SD	06 JUL 94-9N
MATRIX SPIKE	PB-FAA-S	036204-0013-MS	06 JUL 94-9N

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: PB-FAA-S Matrix SOIL Sample: 036204-0013 Units: mg/kg								
Lead	8.9	13.5	11.9	3.0	3.0	153	100	42

All calculations are performed before rounding to avoid round-off errors in calculated results.

SNL/NM 016908 SNL/NM 016911 SNL/NM 016913 SNL/NM 016914
SNL/NM 016909 SNL/NM 016912

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SNL/NM 016915
SNL/NM 016910

SCL- 00622

AR/COC No.: AR/COC- 00348
PAGE 1 OF 3

GENERAL INFORMATION

.22.94 | WEATHER: SUNNY, 16T (-90°F), SLIGHT BREEZE

SAMPLING INFORMATION

ON-SITE CONTACT: PAULA SLAVIN 7582 | PHONE 848-0334

SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP | AREA: TA III | LOCATION: SITE 240 - SHORT SLED TRACK

PURPOSE OF SAMPLING: PHASE 1 RFI

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	HE 8330	TOTAL Pb, U, Li, Be, Hg, Mo (Gold/FCO)						
016908 - 1	1340	240-SS-19A		G	N	X	X						
016909 - 1	1345	240-SS-19F		↓	↓	X	X						
016910 - 1	1350	240 SS-19F-D	Duplicate of 240-SS-19F		Y	X	X						
016911 - 1	1346	240-SS-~~20B~~ 21B			N	X	X						
016912 - 1	1347	240-SS-~~20D~~ 21D			↓	X	X						
016913 - 1	1354	240-SS-24B	MS/MSD		Y	X	X						
016914 - 1	1355	240-SS-24F			N	X	X						
016915 - 1	1407	240-SS-25A		↓	↓	X	X						

PROJECT

PROJECT NAME: TA-III/V - SITE 240 | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG.: 7582 | PHONE: 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #)

SAMPLE TEAM MEMBERS

NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1. TIM JACKSON	Tim Jackson	TJ	IT CORP
2. NELSON CAPITAN	Nel Cap	NC	SNL/7584
3.			

SAMPLE TRACKING

SAMPLE DISTRIBUTION: | TRANSPORTED BY: | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY) | DATA ENTERED (MM-DD-YY) 6/28/94 | BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

SNL/NM 016910 SNL/NM 016921 SNL/NM 016932 SNL/NM 016930

SNL/NM 016917 SNL/NM 016922 SNL/NM 016933 SNL/NM 016931

SNL/NM 016918 SNL/NM 016923 SNL/NM 016926 SNL/NM 016928

SNL/NM 016919 SNL/NM 016924 SNL/NM 016927 SNL/NM 016929

SNL/NM 016920 SNL/NM 016925 SNL/NM 016935 SNL/NM 016934

TAL PROGRAM SAMPLE COLLECTION LOG

SCL- 00622

AR/COC No.: AR/COC- 00348

PAGE 2 OF 3

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: HE 8330	Total Pb, Li, Li, Be, Hg, Nb (6010C/7470)						
016916-1	1413	240-SS-25E		G	N	X	X						
016917-1	1405	240-SS-26E				X	X						
016918-1	1429	240-SS-27B				X	X						
016919-1	1412	240-SS-27F				X	X						
016920-1	1428	240-SS-29C	+ MS/MSDUP		Y	X	X						
016921-1	1437	240-SS-30E				X	X						
016922-1	1446	240-SS-31A				X	X						
016923-1	1436	240-SS-31E				X	X						
016924-1	1445	240-SS-33B				X	X						
016925-1	1455	240-SS-33D				X	X						
016926-1	1508	240-SS-34B				X	X						
016927-1	1509	240-SS-34F				X	X						
016928-1	1510	240-SS-34F-D	Duplicate of 240-SS-34F		Y	X	X						
016929-1	1454	240-SS-35C			N	X	X						
016930-1	1523	240-SS-36D				X	X						
016931-1	1525	240-SS-~~38A~~ 37F				X	X						
016932-1	1527	240-SS-38C				X	X						
016933-1	1529	240-SS-38C-D	Duplicate of 240-SS-38C		Y	X	X						
016934-1	1530	240-SS-38F			N	X	X						
016935-1	1615	FIELD BLANK-WATER	FIELD BLANK		Y	X							

WHITE - To Sample Management Office PINK - Originator

Sandia National Laboratories

SF 2001-SCC (4-94)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

(Continuation)

SCL- 00622

AR/COC No.: AR/COC- 00348

PAGE 3 OF 3

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	ANALYSES: TC TAL Pb, Li, Li, Be, Hg, Nb							
016935-2	1615	FIELD BLANK-WATER	FIELD BLANK (X 16 oz for Hg (glass) X 16 oz for Pb, U, Li, Be, Nb/Poly)	G	Y	X							

WHITE - To Sample Management Office PINK - Originator

Rocky Mountain
Analytical Laboratory

Enseco

August 29, 1994

RECEIVED
AUG 30 1994
SNL/SMO

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for twenty-seven soil samples and two aqueous samples received at Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) on June 24, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

Quanterra #036461

DATA REVIEWED
By MB Garcia Date: 9-9-94
Checked: _____
Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

QUANTERRA ENVIRONMENTAL SERVICES, DENVER

PROJECT NUMBER 036461

AUGUST 29, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 24, 1994, Quanterra Environmental Services, Denver (formerly Enseco-Rocky Mountain Analytical Laboratory) received twenty-seven soil samples and two aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Quanterra reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The preparation holding time for Quanterra sample 036461-0011-SA was missed. The sample was initially prepared within holding time, but due to equipment failure, the analysis could not be completed. Mr. Michael Gonzales of Sandia National Laboratories was notified on July 21, 1994.

The analytical holding time for Quanterra sample 036461-0028-SA was missed due to laboratory error. The sample was initially analyzed within holding time, but due to the lack of acceptable quality control data, the sample was reanalyzed

outside of holding time.

The average percent accuracy for 2,6-Dinitrotoluene exceeded the Quanterra quality control limits in the Method 8330 QC lots 01 JUL 94-N1 and 06 JUL 94-N1. Because the result of the high recovery would be a high bias to the data, and the samples did not have detectable concentration of any of the target compounds, the sample data were not affected and the data were deemed acceptable for reporting.

The percent recoveries for the Method 8330 compounds in the matrix spike, Quanterra sample 036461-0006-MS, were consistently higher than those for the matrix spike duplicate, 036461-0006-SD. As a result, the relative percent differences for this matrix spike/matrix spike duplicate pair exceeded the Quanterra quality advisory limits. Because the accuracy and precision results for the duplicate control samples (DCS) in this batch of samples were within acceptable limits, the laboratory was in control at the time of sample preparation and analysis, and a matrix effect is indicated. No further action was required.

Metals Data Review

The reporting limits for the Method 6010 analysis for Quanterra sample 036461-0029-SA were raised due to limited sample volume available for the analysis. Due to laboratory error, lithium was not spiked into the DCS or matrix spike samples in the initial analysis. There was a limited volume of sample available for repreparation and analysis.

Niobium preparation blank contamination was noted in the Method 6020 QC lot 11 JUL 94-9L. Because niobium was detected in the samples at significantly higher concentrations, the sample data were not affected by the contamination and are reported.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Quanterra Environmental Services, Denver is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
036461-0001-SA	SNL/NM016908-1	SOIL	22 JUN 94	13:40	24 JUN 94
036461-0002-SA	SNL/NM016909-1	SOIL	22 JUN 94	13:45	24 JUN 94
036461-0003-SA	SNL/NM016910-1	SOIL	22 JUN 94	13:50	24 JUN 94
036461-0004-SA	SNL/NM016911-1	SOIL	22 JUN 94	13:46	24 JUN 94
036461-0005-SA	SNL/NM016912-1	SOIL	22 JUN 94	13:47	24 JUN 94
036461-0006-SA	SNL/NM016913-1	SOIL	22 JUN 94	13:54	24 JUN 94
036461-0006-MS	SNL/NM016913-1	SOIL	22 JUN 94	13:54	24 JUN 94
036461-0006-SD	SNL/NM016913-1	SOIL	22 JUN 94	13:54	24 JUN 94
036461-0007-SA	SNL/NM016914-1	SOIL	22 JUN 94	13:55	24 JUN 94
036461-0008-SA	SNL/NM016915-1	SOIL	22 JUN 94	14:07	24 JUN 94
036461-0009-SA	SNL/NM016916-1	SOIL	22 JUN 94	14:13	24 JUN 94
036461-0010-SA	SNL/NM016917-1	SOIL	22 JUN 94	14:05	24 JUN 94
036461-0011-SA	SNL/NM016918-1	SOIL	22 JUN 94	14:29	24 JUN 94
036461-0012-SA	SNL/NM016919-1	SOIL	22 JUN 94	14:12	24 JUN 94
036461-0013-SA	SNL/NM016920-1	SOIL	22 JUN 94	14:28	24 JUN 94
036461-0013-MS	SNL/NM016920-1	SOIL	22 JUN 94	14:28	24 JUN 94
036461-0013-SD	SNL/NM016920-1	SOIL	22 JUN 94	14:28	24 JUN 94
036461-0014-SA	SNL/NM016921-1	SOIL	22 JUN 94	14:37	24 JUN 94
036461-0015-SA	SNL/NM016922-1	SOIL	22 JUN 94	14:46	24 JUN 94
036461-0016-SA	SNL/NM016923-1	SOIL	22 JUN 94	14:36	24 JUN 94
036461-0017-SA	SNL/NM016924-1	SOIL	22 JUN 94	14:45	24 JUN 94
036461-0018-SA	SNL/NM016925-1	SOIL	22 JUN 94	14:55	24 JUN 94
036461-0019-SA	SNL/NM016926-1	SOIL	22 JUN 94	15:08	24 JUN 94
036461-0020-SA	SNL/NM016927-1	SOIL	22 JUN 94	15:09	24 JUN 94
036461-0021-SA	SNL/NM016928-1	SOIL	22 JUN 94	15:10	24 JUN 94
036461-0022-SA	SNL/NM016929-1	SOIL	22 JUN 94	14:54	24 JUN 94
036461-0023-SA	SNL/NM016930-1	SOIL	22 JUN 94	15:23	24 JUN 94
036461-0024-SA	SNL/NM016931-1	SOIL	22 JUN 94	15:25	24 JUN 94
036461-0025-SA	SNL/NM016932-1	SOIL	22 JUN 94	15:27	24 JUN 94
036461-0026-SA	SNL/NM016933-1	SOIL	22 JUN 94	15:29	24 JUN 94
036461-0027-SA	SNL/NM016934-1	SOIL	22 JUN 94	15:30	24 JUN 94
036461-0028-SA	SNL/NM016935-1	AQUEOUS	22 JUN 94	16:15	24 JUN 94
036461-0029-SA	SNL/NM016935-2	AQUEOUS	22 JUN 94	16:15	24 JUN 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 036461	Group Code	Analysis Description	Custom Test?
0001 - 0027	A	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP/MS Metals (Total)	Y
		ICP/MS prep	N
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
0028	C	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0029	D	Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N
		Metals, ICP/MS (Total)	Y
		ICP/MS prep	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Quanterra reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

Quanterra laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

Quanterra's QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

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LOT ASSIGNMENT REPORT
ganics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036461-0001-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0002-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0003-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0004-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0005-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0006-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0006-MS	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0006-SD	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0007-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0008-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0009-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0010-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0011-SA	SOIL	8330-LL-S	25 JUL 94-N1	25 JUL 94-N1
036461-0012-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0013-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0013-MS	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0013-SD	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0014-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0015-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0016-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0017-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
461-0018-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
461-0019-SA	SOIL	8330-LL-S	01 JUL 94-N1	01 JUL 94-N1
036461-0020-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0021-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0022-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0023-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0024-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0025-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0026-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0027-SA	SOIL	8330-LL-S	06 JUL 94-N1	06 JUL 94-N1
036461-0028-SA	AQUEOUS	8330-LL-A	29 JUN 94-N1	29 JUN 94-N1

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DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8330-LL-S Matrix: SOIL QC Lot: 01 JUL 94-N1 Concentration Units: ug/g								
HMX	5.00	6.43	6.05	6.24	125	82-153	6.1	10
RDX	5.00	6.64	6.37	6.50	130	62-176	4.2	17
1,3,5-Trinitrobenzene	5.00	4.39	4.22	4.30	86	60-149	3.9	19
1,3-Dinitrobenzene	5.00	6.81	6.48	6.64	133	73-145	5.0	10
Tetryl	5.00	4.61	4.35	4.48	90	1-115	5.8	50
Nitrobenzene	5.00	6.36	6.01	6.18	124	73-135	5.7	10
2,4,6-Trinitrotoluene	5.00	5.00	4.91	4.96	99	1-160	1.8	15
4-Amino-2,6-dinitrotoluene	5.00	5.02	4.86	4.94	99	84-181	3.2	22
2-Amino-4,6-dinitrotoluene	5.00	4.94	4.75	4.84	97	82-140	3.9	14
2,6-Dinitrotoluene	5.00	6.51	6.25	6.38	128	85-120	4.1	10
2,4-Dinitrotoluene	5.00	6.59	6.31	6.45	129	78-133	4.3	10
2-Nitrotoluene	5.00	6.14	5.77	5.96	119	81-126	6.2	10
4-Nitrotoluene	5.00	6.39	5.87	6.13	123	79-125	8.5	10
3-Nitrotoluene	5.00	6.44	6.01	6.22	125	78-131	6.9	10
Category: 8330-LL-S Matrix: SOIL QC Lot: 25 JUL 94-N1 Concentration Units: ug/g								
HMX	5.00	5.79	5.64	5.72	114	82-153	2.6	10
RDX	5.00	5.17	5.42	5.30	106	62-176	4.7	17
1,3,5-Trinitrobenzene	5.00	3.65	3.66	3.66	73	60-149	0.3	19
1,3-Dinitrobenzene	5.00	6.29	6.20	6.24	125	73-145	1.4	10
Tetryl	5.00	3.37	3.34	3.36	67	1-115	0.9	50
Nitrobenzene	5.00	6.28	5.91	6.10	122	73-135	6.1	10
2,4,6-Trinitrotoluene	5.00	4.43	4.43	4.43	89	1-160	0.0	15
4-Amino-2,6-dinitrotoluene	5.00	4.85	4.85	4.85	97	84-181	0.0	22
2-Amino-4,6-dinitrotoluene	5.00	4.64	4.68	4.66	93	82-140	0.9	14
2,6-Dinitrotoluene	5.00	5.95	5.94	5.94	119	85-120	0.2	10
2,4-Dinitrotoluene	5.00	6.18	6.25	6.22	124	78-133	1.1	10
2-Nitrotoluene	5.00	5.66	5.70	5.68	114	81-126	0.7	10
4-Nitrotoluene	5.00	5.77	5.80	5.78	116	79-125	0.5	10
3-Nitrotoluene	5.00	5.73	6.06	5.90	118	78-131	5.6	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 06 JUL 94-N1								
Concentration Units: ug/g								
HMX	5.00	5.28	5.52	5.40	108	82-153	4.4	10
RDX	5.00	7.12	6.10	6.61	132	62-176	15	17
1,3,5-Trinitrobenzene	5.00	3.73	3.47	3.60	72	60-149	7.2	19
1,3-Dinitrobenzene	5.00	6.39	6.12	6.26	125	73-145	4.3	10
Tetryl	5.00	4.62	4.41	4.52	90	1-115	4.7	50
Nitrobenzene	5.00	6.44	6.03	6.24	125	73-135	6.6	10
2,4,6-Trinitrotoluene	5.00	4.68	4.62	4.65	93	1-160	1.3	15
4-Amino-2,6-dinitrotoluene	5.00	4.58	4.50	4.54	91	84-181	1.8	22
2-Amino-4,6-dinitrotoluene	5.00	4.57	4.51	4.54	91	82-140	1.3	14
2,6-Dinitrotoluene	5.00	6.24	5.89	6.06	121✓	85-120	5.8	10
2,4-Dinitrotoluene	5.00	6.48	6.08	6.28	126	78-133	6.4	10
2-Nitrotoluene	5.00	5.76	5.88	5.82	116	81-126	2.1	10
4-Nitrotoluene	5.00	5.90	5.95	5.92	119	79-125	0.8	10
3-Nitrotoluene	5.00	5.78	6.07	5.92	119	78-131	4.9	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 29 JUN 94-N1								
Concentration Units: ug/L								
HMX	5.00	4.86	4.89	4.88	98	58-131	0.6	27
RDX	5.00	3.80	3.94	3.87	77	67-149	3.6	26
1,3,5-Trinitrobenzene	5.00	3.03	3.14	3.08	62	44-140	3.6	23
1,3-Dinitrobenzene	5.00	4.07	4.37	4.22	84	41-110	7.1	30
Tetryl	5.00	4.30	4.09	4.20	84	1-104	5.0	38
Nitrobenzene	5.00	3.04	3.05	3.04	61	24- 80	0.3	50
2,4,6-Trinitrotoluene	5.00	3.38	3.37	3.38	68	1-113	0.3	22
4-Amino-2,6-dinitrotoluene	5.00	3.20	3.37	3.28	66	65-160	5.2	38
2-Amino-4,6-dinitrotoluene	5.00	3.65	3.90	3.78	76	50-121	6.6	35
2,6-Dinitrotoluene	5.00	3.69	3.43	3.56	71	39- 94	7.3	35
2,4-Dinitrotoluene	5.00	3.79	3.92	3.86	77	46-102	3.4	27
2-Nitrotoluene	5.00	2.94	2.69	2.82	56	23- 84	8.9	50
4-Nitrotoluene	5.00	2.91	2.84	2.88	58	26- 86	2.4	50
3-Nitrotoluene	5.00	3.04	3.37	3.20	64	23- 86	10	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 01 JUL 94-N1 QC Run: 01 JUL 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 01 JUL 94-N1 QC Run: 01 JUL 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

METHOD BLANK REPORT
Organics by Chromatography (cont.)

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 25 JUL 94-N1 QC Run: 25 JUL 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25
Test: 8330-COE-LL-S			
Matrix: SOIL			
Lot: 06 JUL 94-N1 QC Run: 06 JUL 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

METHOD BLANK REPORT
Organics by Chromatography (cont.)

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 06 JUL 94-N1 QC Run: 06 JUL 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25
Test: 8330-COE-LL-A			
Matrix: AQUEOUS			
QC Lot: 29 JUN 94-N1 QC Run: 29 JUN 94-N1			
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Organics by Chromatography

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	036461-0006-SD	01 JUL 94-N1
MATRIX SPIKE	8330-COE-LL-S	036461-0006-MS	01 JUL 94-N1
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	036461-0013-SD	06 JUL 94-N1
MATRIX SPIKE	8330-COE-LL-S	036461-0013-MS	06 JUL 94-N1

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Organics by Chromatography

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: 8330-COE-LL-S Matrix SOIL Sample: 036461-0006 Units: ug/g								
HMX	ND	9.6	5.9	5.0	5.0	193	117	49
RDX	ND	13	6.1	5.0	5.0	262	123	72
1,3,5-Trinitrobenzene	ND	7.1	4.0	5.0	5.0	143	79	57
1,3-Dinitrobenzene	ND	12	6.6	5.0	5.0	250	131	62
Tetryl	ND	5.6	4.6	5.0	5.0	112	91	21
Nitrobenzene	ND	7.6	6.3	5.0	5.0	152	127	18
2,4,6-Trinitrotoluene	ND	8.3	5.1	5.0	5.0	165	102	47
4-Amino-2,6-dinitrotoluene	ND	8.0	4.8	5.0	5.0	159	97	49
2-Amino-4,6-dinitrotoluene	ND	8.0	4.8	5.0	5.0	160	96	50
2,6-Dinitrotoluene	ND	11	6.2	5.0	5.0	216	123	55
2,4-Dinitrotoluene	ND	11	6.4	5.0	5.0	216	129	51
2-Nitrotoluene	ND	6.3	5.9	5.0	5.0	125	118	6
4-Nitrotoluene	ND	6.7	6.0	5.0	5.0	135	121	11
3-Nitrotoluene	ND	7.4	6.1	5.0	5.0	148	123	19
Test: 8330-COE-LL-S Matrix SOIL Sample: 036461-0013 Units: ug/g								
HMX	ND	6.0	6.0	5.0	5.0	120	119	1
RDX	ND	6.5	6.1	5.0	5.0	130	122	6
1,3,5-Trinitrobenzene	ND	3.8	3.7	5.0	5.0	76	75	2
1,3-Dinitrobenzene	ND	6.7	6.4	5.0	5.0	133	128	4
Tetryl	ND	4.3	4.6	5.0	5.0	85	93	9
Nitrobenzene	ND	6.2	6.2	5.0	5.0	125	125	0
2,4,6-Trinitrotoluene	ND	5.1	4.9	5.0	5.0	101	98	3
4-Amino-2,6-dinitrotoluene	ND	5.0	4.8	5.0	5.0	99	96	3
2-Amino-4,6-dinitrotoluene	ND	4.9	4.8	5.0	5.0	99	95	4
2,6-Dinitrotoluene	ND	6.4	6.1	5.0	5.0	128	122	5
2,4-Dinitrotoluene	ND	6.6	6.4	5.0	5.0	133	128	4
2-Nitrotoluene	ND	6.4	6.0	5.0	5.0	128	120	6
4-Nitrotoluene	ND	6.3	6.1	5.0	5.0	127	123	3
3-Nitrotoluene	ND	6.6	6.3	5.0	5.0	131	126	4

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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` LOT ASSIGNMENT REPORT
:tals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036461-0001-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0001-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0001-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0002-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0002-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0002-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0003-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0003-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0003-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0004-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0004-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0004-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0005-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0005-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0005-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0006-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0006-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0006-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0006-MS	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0006-MS	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0006-MS	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0006-SD	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0006-SD	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0006-SD	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0007-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0007-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0007-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0008-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0008-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0008-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0009-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0009-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0009-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0010-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0010-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0010-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0011-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0011-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0011-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0012-SA	SOLID	ICPMS-S	11 JUL 94-9L	11 JUL 94-9L
036461-0012-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0012-SA	SOIL	ICP-S	13 JUL 94-9A	13 JUL 94-9A
036461-0013-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0013-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0013-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0013-MS	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0013-MS	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B

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QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036461-0013-MS	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0013-SD	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0013-SD	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0013-SD	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0014-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0014-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0014-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0015-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0015-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0015-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0016-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0016-SA	SOIL	HG-CVAA-S	11 JUL 94-9B	11 JUL 94-9B
036461-0016-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0017-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0017-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0017-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0018-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0018-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0018-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0019-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0019-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0019-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0020-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0020-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0020-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0021-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0021-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0021-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0022-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0022-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0022-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0023-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0023-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0023-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0024-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0024-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0024-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0025-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0025-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0025-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0026-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0026-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0026-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0027-SA	SOLID	ICPMS-S	11 JUL 94-9M	11 JUL 94-9M
036461-0027-SA	SOIL	HG-CVAA-S	11 JUL 94-9C	11 JUL 94-9C
036461-0027-SA	SOIL	ICP-S	13 JUL 94-9B	13 JUL 94-9B
036461-0029-SA	AQUEOUS	HG-CVAA-AT	11 JUL 94-9D	11 JUL 94-9D

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QC LOT ASSIGNMENT REPORT
:als Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
036461-0029-SA	AQUEOUS	ICPMS-A	11 JUL 94-9N	11 JUL 94-9N
036461-0029-SA	AQUEOUS	ICP-AT	13 JUL 94-9D	13 JUL 94-9D

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precision (RPD) DCS	Limit
Category: ICPMS-S Matrix: SOLID QC Lot: 11 JUL 94-9L Concentration Units: mg/kg								
Uranium	10.0	10.10	10.02	10.1	101	75-125	0.8	20
Niobium	10.0	10.15	10.02	10.1	101	75-125	1.3	20
Category: HG-CVAA-S Matrix: SOIL QC Lot: 11 JUL 94-9B Concentration Units: mg/kg								
Mercury	0.500	0.436	0.445	0.440	88	75-125	2.0	20
Category: ICP-S Matrix: SOIL QC Lot: 13 JUL 94-9A Concentration Units: mg/kg								
Aluminum	100	97.6	93.9	95.7	96	80-120	3.8	20
Antimony	25	26.8	23.9	25.3	101	80-120	11	20
Arsenic	25	22.8	21.9	22.4	89	80-120	3.8	20
Barium	100	98.8	98.0	98.4	98	80-120	0.8	20
Beryllium	2.5	2.45	2.45	2.45	98	80-120	0.0	20
Cadmium	2.5	2.54	2.31	2.43	97	80-120	9.2	20
Calcium	5000	4920	4860	4890	98	80-120	1.1	20
Chromium	10	10.2	10.4	10.3	103	80-120	1.5	20
Cobalt	25	24.0	24.1	24.1	96	80-120	0.3	20
Copper	12.5	11.7	11.5	11.6	93	80-120	1.5	20
Iron	50	49.7	47.6	48.6	97	80-120	4.3	20
Lead	25	25.3	24.0	24.7	99	80-120	5.3	20
Magnesium	2500	2420	2410	2420	97	80-120	0.5	20
Manganese	25	24.9	24.5	24.7	99	80-120	1.7	20
Nickel	25	24.2	23.6	23.9	96	80-120	2.8	20
Potassium	2500	2330	2290	2310	92	80-120	1.5	20
Sodium	5000	5020	4970	5000	100	80-120	1.0	20
Vanadium	25	23.6	23.4	23.5	94	80-120	1.1	20
Zinc	25	24.4	23.3	23.9	95	80-120	4.8	20
Lithium	1000	995	992	994	99	80-120	0.3	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
als Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICPMS-S Matrix: SOLID QC Lot: 11 JUL 94-9M Concentration Units: mg/kg								
Uranium	10.0	10.38	10.39	10.38	104	75-125	0.1	20
Niobium	10.0	11.34	11.01	11.18	112	75-125	3.0	20
Category: ICP-S Matrix: SOIL QC Lot: 13 JUL 94-9B Concentration Units: mg/kg								
Aluminum	100	97.4	94.9	96.2	96	80-120	2.7	20
Antimony	25	26.5	24.6	25.6	102	80-120	7.6	20
Arsenic	25	25.8	23.7	24.7	99	80-120	8.7	20
Barium	100	102	99.4	101	101	80-120	2.5	20
Beryllium	2.5	2.51	2.51	2.51	100	80-120	0.0	20
Cadmium	2.5	2.54	3.06	2.80	112	80-120	19	20
[illegible]cium	5000	5040	4400	4720	94	80-120	14	20
[illegible]omium	10	10.1	9.98	10.0	100	80-120	1.0	20
Cobalt	25	24.9	24.3	24.6	98	80-120	2.5	20
Copper	12.5	11.8	12.0	11.9	95	80-120	1.8	20
Iron	50	48.3	44.8	46.5	93	80-120	7.5	20
Lead	25	25.7	24.7	25.2	101	80-120	4.2	20
Magnesium	2500	2570	2210	2390	96	80-120	15	20
Manganese	25	25.5	25.0	25.3	101	80-120	1.7	20
Nickel	25	24.9	24.1	24.5	98	80-120	3.5	20
Potassium	2500	2430	2130	2280	91	80-120	13	20
Sodium	5000	5170	4500	4830	97	80-120	14	20
Vanadium	25	23.4	23.4	23.4	94	80-120	0.2	20
Zinc	25	25.5	24.1	24.8	99	80-120	5.4	20
Lithium	1000	990	995	992	99	80-120	0.5	20
Category: HG-CVAA-S Matrix: SOIL QC Lot: 11 JUL 94-9C Concentration Units: mg/kg								
Mercury	0.500	0.454	0.491	0.472	95	75-125	7.8	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: HG-CVAA-AT Matrix: AQUEOUS QC Lot: 11 JUL 94-9D Concentration Units: mg/L								
Mercury	0.00100	0.00100	0.00105	0.00102	103	75-125	4.9	20
Category: ICPMS-A Matrix: AQUEOUS QC Lot: 11 JUL 94-9N Concentration Units: mg/L								
Uranium	0.100	0.110	0.108	0.109	109	75-125	1.8	20
Niobium	0.100	0.123	0.124	0.124	124	75-125	0.8	20
Category: ICP-AT Matrix: AQUEOUS QC Lot: 13 JUL 94-9D Concentration Units: mg/L								
Aluminum	2.00	1.89	1.88	1.89	94	80-116	0.6	10
Antimony	0.500	0.479	0.483	0.481	96	80-115	0.8	14
Arsenic	0.500	0.456	0.456	0.456	91	80-115	0.0	17
Barium	2.00	1.94	1.95	1.94	97	80-114	0.4	10
Beryllium	0.0500	0.0536	0.0530	0.0533	107	80-120	1.1	10
Cadmium	0.0500	0.0530	0.0478	0.0504	101	80-119	10	16
Calcium	100	97.9	98.8	98.4	98	80-114	1.0	10

ND = Not detected
NC = Not calculated, calculation not applicable
NA = Not applicable

Calculations are performed before rounding to avoid round-off errors in calculated results.

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DUPLICATE CONTROL SAMPLE REPORT
tals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 13 JUL 94-9D								
Concentration Units: mg/L								
Chromium	0.200	0.193	0.192	0.192	96	80-116	0.8	11
Cobalt	0.500	0.485	0.485	0.485	97	80-114	0.1	10
Copper	0.250	0.242	0.245	0.244	97	80-120	1.1	10
Iron	1.00	0.889	0.889	0.889	89	80-120	0.0	11
Lead	0.500	0.503	0.493	0.498	100	80-119	1.8	10
Magnesium	50.0	50.7	51.1	50.9	102	81-120	0.6	10
Manganese	0.500	0.491	0.492	0.491	98	80-116	0.2	10
Nickel	0.500	0.474	0.481	0.478	96	80-114	1.4	10
Potassium	50.0	47.6	48.8	48.2	96	80-120	2.6	13
Selenium	0.500	0.541	0.531	0.536	107	80-120	1.9	20
Sodium	100	102	103	103	103	80-120	1.0	10
Vanadium	0.500	0.459	0.460	0.460	92	80-116	0.1	10
Zinc	0.500	0.478	0.481	0.479	96	80-120	0.7	13
Lithium	10.0	9.82	9.93	9.88	99	80-120	1.0	20

culations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9L QC Run: 11 JUL 94-9L			
Uranium	ND	mg/kg	0.01
Niobium	0.0297	mg/kg	0.02
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9B QC Run: 11 JUL 94-9B			
Mercury	ND	mg/kg	0.10
Test: ICP-S			
Matrix: SOIL			
QC Lot: 13 JUL 94-9A QC Run: 13 JUL 94-9A			
Beryllium	ND	mg/kg	0.20
Lead	ND	mg/kg	5.0
Lithium	ND	mg/kg	5.0
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9L QC Run: 11 JUL 94-9L			
Uranium	ND	mg/kg	0.005
Niobium	0.0297	mg/kg	0.02
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9B QC Run: 11 JUL 94-9B			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
tals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 13 JUL 94-9A QC Run: 13 JUL 94-9A			
Beryllium	ND	mg/kg	0.20
Lead	ND	mg/kg	5.0
Lithium	ND	mg/kg	5.0
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9M QC Run: 11 JUL 94-9M			
Uranium	ND	mg/kg	0.005
Niobium	ND	mg/kg	0.02
Test: ICP-S			
Matrix: SOIL			
QC Lot: 13 JUL 94-9B QC Run: 13 JUL 94-9B			
yllium	ND	mg/kg	0.20
d	ND	mg/kg	5.0
Lithium	ND	mg/kg	5.0
Test: ICPMS-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9M QC Run: 11 JUL 94-9M			
Uranium	ND	mg/kg	0.01
Niobium	ND	mg/kg	0.02
Test: ICP-S			
Matrix: SOIL			
QC Lot: 13 JUL 94-9B QC Run: 13 JUL 94-9B			
Beryllium	ND	mg/kg	0.20
Lead	ND	mg/kg	5.0
Lithium	ND	mg/kg	5.0

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 11 JUL 94-9C QC Run: 11 JUL 94-9C			
Mercury	ND	mg/kg	0.10
Test: HG-CVAA-GLASS-AT			
Matrix: AQUEOUS			
QC Lot: 11 JUL 94-9D QC Run: 11 JUL 94-9D			
Mercury	ND	mg/L	0.00020
Test: ICPMS-AT			
Matrix: AQUEOUS			
QC Lot: 11 JUL 94-9N QC Run: 11 JUL 94-9N			
Uranium	ND	mg/L	0.00005
Niobium	ND	mg/L	0.0002
Test: ICP-AT			
Matrix: AQUEOUS			
QC Lot: 13 JUL 94-9D QC Run: 13 JUL 94-9D			
Beryllium	ND	mg/L	0.0020
Lead	ND	mg/L	0.050
Lithium	ND	mg/L	0.050

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICPMS-S	036461-0006-SD	11 JUL 94-9L
MATRIX SPIKE	ICPMS-S	036461-0006-MS	11 JUL 94-9L
MATRIX SPIKE DUPLICATE	HG-CVAA-S	036461-0006-SD	11 JUL 94-9B
MATRIX SPIKE	HG-CVAA-S	036461-0006-MS	11 JUL 94-9B
MATRIX SPIKE DUPLICATE	ICP-S	036461-0006-SD	13 JUL 94-9A
MATRIX SPIKE	ICP-S	036461-0006-MS	13 JUL 94-9A
MATRIX SPIKE DUPLICATE	ICPMS-S	036461-0013-SD	11 JUL 94-9M
MATRIX SPIKE	ICPMS-S	036461-0013-MS	11 JUL 94-9M
MATRIX SPIKE DUPLICATE	HG-CVAA-S	036461-0013-SD	11 JUL 94-9B
MATRIX SPIKE	HG-CVAA-S	036461-0013-MS	11 JUL 94-9B
MATRIX SPIKE DUPLICATE	ICP-S	036461-0013-SD	13 JUL 94-9B
MATRIX SPIKE	ICP-S	036461-0013-MS	13 JUL 94-9B

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: ICPMS-S Matrix SOIL Sample: 036461-0006 Units: mg/kg								
Niobium (93)	0.28	4.3	4.3	10.0	10.0	41	40	2
Uranium-238	0.33	9.4	9.4	10.0	10.0	91	91	0
Test: HG-CVAA-S Matrix SOIL Sample: 036461-0006 Units: mg/kg								
Mercury	ND	0.54	0.58	0.50	0.50	107	116	7
Test: ICP-S Matrix SOIL Sample: 036461-0006 Units: mg/kg								
Beryllium	0.56	2.7	2.7	2.5	2.5	87	84	3
Lead	12.1	34.6	34.2	25.0	25.0	90	88	2
Test: ICPMS-S Matrix SOIL Sample: 036461-0013 Units: mg/kg								
Niobium (93)	0.44	5.1	4.8	10.0	10.0	47	44	7
Uranium-238	0.40	10.5	10.4	10.0	10.0	101	99	2
Test: HG-CVAA-S Matrix SOIL Sample: 036461-0013 Units: mg/kg								
Mercury	ND	0.55	0.56	0.50	0.50	109	112	3

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: ICP-S								
Matrix SOIL								
Sample: 036461-0013								
Units: mg/kg								
Beryllium	0.50	2.6	2.7	2.5	2.5	84	87	3
Lead	7.9	29.7	28.9	25.0	25.0	87	84	4

All calculations are performed before rounding to avoid round-off errors in calculated results.

Attachment 241-1

Laboratory Analytical Results for ER Site 241

Laboratory QA/QC – copied from laboratory reports

ER Site 241 RFI Analytical Results for Surface Soil Samples ; RCRA Metals + Beryllium

ER Sample ID	Sample Number	Sample Date	Sample Depth (feet)	Units	EPA Method 6010A and 7470/7471 for Mercury / Quanterra									
					Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Mercury	Nickel	Silver	Selenium
TA3/5-241-SS-04	SNL0130161	24-MAY-94	0 - 1	mg/kg	2.7	60.7	0.6	1.1	7.4	14.8	0.19	3.9 J	ND	ND
TA3/5-241-SS-14	SNL0130166	24-MAY-94	0 - 1	mg/kg	2.8	79.7	0.55	0.68	7.4	18.6	ND	4	ND	ND
TA3/5-241-SS-16	SNL0130171	24-MAY-94	0 - 1	mg/kg	2.6	61.1	0.66	0.68	6	14.1	ND	4.3	ND	ND
TA3/5-241-SS-17	SNL0130175	24-MAY-94	0 - 1	mg/kg	2.6	62.5	0.44	ND	5.3	9.5	ND	4.9	ND	ND
TA3/5-241-SS-17D	SNL0130179	24-MAY-94	0 - 1	mg/kg	3	76.4	0.65	0.54	7.5	12.9	ND	5.3	ND	ND
TA3/5-241-SS-18	SNL0130183	24-MAY-94	0 - 1	mg/kg	2.2	59.7	0.54	1.6	6.1	15.3	ND	4	ND	ND
TA3/5-241-SS-20	SNL0130191	24-MAY-94	0 - 1	mg/kg	2.8	57.3	0.53	0.68	6.9	7.3	ND	3.7	ND	ND
TA3/5-241-SS-21	SNL0130195	24-MAY-94	0 - 1	mg/kg	2.8	70.4	0.66	ND	6.7	7.8	ND	3.6	ND	ND
TA3/5-241-SS-22	SNL0130199	24-MAY-94	0 - 1	mg/kg	2.3	73	0.66	ND	6.1	11.8	ND	3.5	ND	ND
TA3/5-241-SS-23	SNL0130203	24-MAY-94	0 - 1	mg/kg	3.3	67	0.6	ND	6.7	6.8	ND	4.5	ND	ND
TA3/5-241-SS-25	SNL0130207	24-MAY-94	0 - 1	mg/kg	2.3	55.6	0.6	ND	5.6	8.6	ND	3.8	ND	ND
TA3/5-241-SS-28	SNL0130211	24-MAY-94	0 - 1	mg/kg	2.7	65.5	0.6	1.3	6.4	24.9	ND	3.5	ND	ND
TA3/5-241-SS-29	SNL0130215	24-MAY-94	0 - 1	mg/kg	3.4	47.2	0.48	0.55	5	685	ND	3.9	ND	ND
TA3/5-241-SS-29D	SNL0130220	24-MAY-94	0 - 1	mg/kg	2.5	57.7	0.66	0.54	6.2	231	ND	3.7	ND	ND
			Detection Limit	mg/kg	0.5	1	0.2	0.5	1	0.5	0.1	4	1	0.5
			MBLs	mg/kg	4.4	214	0.65	<1	21.8	21.4	0.25	11.5	5.6	<1
Quality Assurrance/Quality Control Samples														
TA3/5-241-SS-FBA	SNL0130224	24-MAY-94	na	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Detection Limit	mg/l	0.01	0.01	0.002	0.005	0.01	0.003	0.0002	0.04	0.005	0.01

MBLs - maximum background level established by New Mexico Environment Department Hazardous and Radioactive Materials Bureau (HRMB), September 1997
na = not applicable
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

ER Site 241 RFI Analytical Results for Surface Soil Samples , Inorganic Constituents/Metals

ER Sample ID	Sample Number	Sample Date	Sample Depth (feet)	Units	EPA Method 6010A / Quanterra												
					Aluminum	Antimony	Calcium	Cobalt	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Thallium	Vanadium	Zinc
TA3/5-241-SS-04	SNL0130161	24-MAY-94	0 - 1	mg/kg	4400	2 3 J	5180	3.1	9.8	7280	1630	135	1590	68.1 J	ND	12.9	40.2
TA3/5-241-SS-14	SNL0130166	24-MAY-94	0 - 1	mg/kg	5120	ND	9180	3.8	8.7	12300	1890	171	1460	116 J	ND	12.5	43.7
TA3/5-241-SS-16	SNL0130171	24-MAY-94	0 - 1	mg/kg	4150	ND	5450	2 6	6 8	6920	1730	135	1560	134 J	ND	11.8	41.3
TA3/5-241-SS-17	SNL0130175	24-MAY-94	0 - 1	mg/kg	4400	2.5	6140	2.6	6.2	6140	1820	141	1590	61.6	ND	10.1	35.2
TA3/5-241-SS-17D	SNL0130179	24-MAY-94	0 - 1	mg/kg	5690	ND	6970	3.1	7.7	8570	2090	161	1920	75.1	ND	15.1	50.4
TA3/5-241-SS-18	SNL0130183	24-MAY-94	0 - 1	mg/kg	4610	ND	5030	2.3	8.1	7350	1630	129	1440	87.3	ND	12.8	33
TA3/5-241-SS-20	SNL0130191	24-MAY-94	0 - 1	mg/kg	5150	ND	5970	2.6	5.4	7780	1750	130	1710	84.3	ND	13.9	75.8
TA3/5-241-SS-21	SNL0130195	24-MAY-94	0 - 1	mg/kg	4620	ND	4720	2.7	5.7	7670	1660	136	1840	173	ND	14.3	57.8
TA3/5-241-SS-22	SNL0130199	24-MAY-94	0 - 1	mg/kg	4500	ND	5310	2.3	7 7	6850	1610	124	1800	131	ND	11.8	38.4
TA3/5-241-SS-23	SNL0130203	24-MAY-94	0 - 1	mg/kg	5600	ND	2650	3.2	6.3	7910	1780	170	1870	82.4	ND	12.4	20.4
TA3/5-241-SS-25	SNL0130207	24-MAY-94	0 - 1	mg/kg	4280	ND	2900	2 7	12.2	6790	1500	149	1430	113	ND	10.9	19.5
TA3/5-241-SS-28	SNL0130211	24-MAY-94	0 - 1	mg/kg	4760	ND	5170	2 3	9	7610	1570	131	1320	102	ND	13.7	24.6
TA3/5-241-SS-29	SNL0130215	24-MAY-94	0 - 1	mg/kg	3300	11.6	4710	2 8	34.4	6250	1300	111	1110	351	ND	11.4	26.1
TA3/5-241-SS-29D	SNL0130219	24-MAY-94	0 - 1	mg/kg	4150	ND	5040	2.4	6.6	7710	1520	123	1270	276	ND	13.2	29.4
			Detection Limit	mg/kg	10	6	20	1	2	10	20	1	500	500	0.5	1	2
			MBLs		na	3 9	na	5.2	15 4	na	na	na	na	na	na	20.4	62
Quality Assurrance/Quality Control Samples																	
TA3/5-241-SS-FBA	SNL0130224	24-MAY-94	na	mg/l	ND	ND	0.26 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Detection Limit	mg/l	0 1	0.06	0 2	0.01	0 02	0.1	0.2	0.01	5	5	0.01	0.01	0.02

MBLs - maximum background level established by New Mexico Environment Department Hazardous and Radioactive Materials Bureau (HRMB), September 1997
na = not applicable/not analyzed
FBA - field blank
RBA - rinsate blank
ND - not detected above the method detection limit

ER Site 241: TA3/5 RFI Analytical Results for Surface Soil Samples ; Total Petroleum Hyddrocarbons (TPH) and Polychlorinated Biphenyls (PCBs)

ER Sample ID	Sample Number	Sample Date	Sample Depth (feet)	Units	Method 3550/418.1	Method 8080						
					TPH	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
TA3/5-241-SS-04	SNL0130476/SNL1300163	24-MAY-94	0-1	mg/kg	ND	ND	ND	ND	ND	0.06	ND	ND
TA3/5-241-SS-14	SNL0130165	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-16	SNL0130170	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-17	SNL0130174	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-17D	SNL0130178	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-18	SNL0130182	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-19	SNL0130186	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-20	SNL0130190	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-21	SNL0130194	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-22	SNL0130198	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-23	SNL0130202	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-25	SNL0130206	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-28	SNL0130210	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-29	SNL0130214	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
TA3/5-241-SS-29D	SNL0130218	24-MAY-94	0-1	mg/kg	ND	na	na	na	na	na	na	na
			Detection Limit	ug/kg	20	0.033	0.033	0.033	0.033	0.033	0.033	0.033
Quality Assurrance/Quality Control Samples												
TA3/5-241-SS-19	SNL/NM 16134-1	24-MAY-94	0-1	mg/kg	199 MS/MSD	na	na	na	na	na	na	na
TA3/5-241-SS-19	SNL/NM 16134-1	24-MAY-94	0-1	mg/kg	199 MS/MSD	na	na	na	na	na	na	na
TA3/5-241-SS-FBA	SNL0130223	24-MAY-94	0-1	mg/L	ND	na	na	na	na	na	na	na
			Detection Limit	mg/L	1							

na = not applicable/not analyzed
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

ER Site 241 RFI Analytical Results for Surface Soil Samples , High Explosives (HE)

ER Sample ID	Sample Number	Sample Date	Sample Depth (feet)	Units	EPA Method 8080/ Quanterra													
					Trinitrotoluene 2 4 6-	2 4-Dinitrotoluene	RDX	HMX	Dinitrotoluene, 2,6-	Nitro-benzene	Trinitrobenzene, 1,3,5-	Nitrotoluene, p-	Dinitrobenzene, 1,3-	Nitrotoluene, m-	Tetryl	Amino-4,6-dinitrotoluene, 2-	Amino-2,6-dinitrotoluene, 4-	Nitrotoluene, o-
TA3/5-241-SS-04	SNL0130164	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-14	SNL0130168	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-16	SNL0130173	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-17	SNL0130177	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-17D	SNL0130181	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-18	SNL0130185	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-20	SNL0130193	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-21	SNL0130197	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-22	SNL0130201	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-23	SNL0130205	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-25	SNL0130209	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-28	SNL0130213	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-29	SNL0130217	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-29D	SNL0130221	24-MAY-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-02	SNL0130403	27-JUN-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-10	SNL0130404	27-JUN-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TA3/5-241-SS-15	SNL0130405	27-JUN-94	0 - 1	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Detection Limit	ug/kg	0 25	0 25	1	2 2	0 26	0 26	0.25	0 25	0.25	0.25	0.65	0.25	0.25	0.25
Quality Assurance/Quality Control Samples																		
TA3/5-241-SS-FBA	SNL0130222	24-MAY-94	na	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MBLs - maximum background level established by New Mexico Environment Department Hazardous and Radioactive Materials Bureau (HRMB), September 1997
na = not applicable
FBA - field blank
RBA - rinsate blank
ND - not detected above the method detection limit

ER Site 241 RFI Analytical Results for Surface Soil Samples ; Gross Alpha, Gross Beta

ER Sample ID	Sample Number	Sample Date	Sample Depth (feet)	Units	900 Series/ TMA Eberline			
					Gross Alpha	Detection Limit	Gross Beta	Detection Limit
TA3/5-241-SS-04	SNL0130562	24-MAY-94	0 - 1	pCi/g	ND	7.1	17	5.5
TA3/5-241-SS-14	SNL0130168	24-MAY-94	0 - 1	pCi/g	7.7	6.3	14	4.8
TA3/5-241-SS-16	SNL0130173	24-MAY-94	0 - 1	pCi/g	6.7	5.6	8.2	5.3
TA3/5-241-SS-17	SNL0130177	24-MAY-94	0 - 1	pCi/g	ND	7.1	12	5.2
TA3/5-241-SS-17D	SNL0130181	24-MAY-94	0 - 1	pCi/g	ND	6.7	12	5.3
TA3/5-241-SS-18	SNL0130185	24-MAY-94	0 - 1	pCi/g	ND	6.1	13	6.1
TA3/5-241-SS-19	SNL0130580	24-MAY-94	0 - 1	pCi/g	ND	6.8	11	5.4
TA3/5-241-SS-20	SNL0130583	24-MAY-94	0 - 1	pCi/g	ND	8.1	8.4	5
TA3/5-241-SS-21	SNL0130586	24-MAY-94	0 - 1	pCi/g	ND	8.1	9.8	5.3
TA3/5-241-SS-22	SNL0130589	24-MAY-94	0 - 1	pCi/g	ND	7.7	12	6.3
TA3/5-241-SS-23	SNL0130209	24-MAY-94	0 - 1	pCi/g	9.6	7.1	29	5.7
TA3/5-241-SS-25	SNL0130595	29-MAY-94	0 - 1	pCi/g	19	6.2	27	4.7
TA3/5-241-SS-28	SNL0130598	29-MAY-94	0 - 1	pCi/g	11	5.6	22	5.3
TA3/5-241-SS-29	SNL0130601	29-MAY-94	0 - 1	pCi/g	20	7.1	24	5.2
TA3/5-241-SS-29D	SNL0130604	29-MAY-94	0 - 1	pCi/g	9.5	6.7	27	5.2
Quality Assurrance/Quality Control Samples								
TA3/5-241-SS-FBA	SNL0130607	24-MAY-94	na	ug/l	-0.04	0.92	0.95	2.2

MBLs - maximum background level established by New Mexico Environment Department Hazardous and Radioactive Materials Bureau (HRMB), September 1997
na = not applicable
FBA - field blank
RBA - rinsate blank
ND - not detected aboue the method detection limit

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SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00367

AR/COC No.: AR/COC- 00064

PAGE 1 OF 3

GENERAL INFORMATION

DATE: 5-24-94 WEATHER: PARTLY CLOUDY, 60-70'S

SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: CHRIS AAS ORG. 7582 PHONE 848-0391

AREA: III LOCATION: SITE 241- SALVAGE YARD

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number SNL/NM	- Fraction	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	EXPLOSIVE RESIDUE 8330	TPH 418.1 TAL METALS 6010/7000	PCB'S	ASBESTOS			
16117	- 1	1131	241- SS — 04		G	N	X	X	X	X			
16128	- 1	1200	- 14			N	X	X	X				
16128	- 1A	1200	- 14			N					X		
16130	- 1	1209	- 16			N	X	X	X				
16131	- 1	1210	- 17			N	X	X	X				
16132	- 1	1210	- 17D	DUPLICATE OF SNL/NM 16131-1		Y	X	X	X				
16133	- 1	1215	- 18			N	X	X	X				
16134	- 1	1220	- 19	MATRIX SPIKE / MATRIX SPIKE DUP.		Y	X	X	X				

PROJECT

PROJECT NAME: TA 3/5-SITE 241 CASE NUMBER: 3617.300 PROJECT CONTACT: PAULA SLAVIN ORG. 7582 PHONE 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Tim Jackson	Tim Jackson	TJ	IT CORP
2.	WYATT BOOHER	Wyatt Booher	WB	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSEW/AMAL

TRANSPORTED BY: SNL/SMO A44327

SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 6/1/94

DATA ENTERED (MM-DD-YY): 6/28/94

BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00604

AR/COC No.: AR/COC-00064

PAGE 2 OF 3

GENERAL INFORMATION

DATE: 5-24-94 | WEATHER: PARTLY CLOUDY 60-70s

SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI-SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: CHRIS AAS | ORG. 7582 | PHONE 848-0391

AREA: III | LOCATION: SITE 241- SALVAGE YARD

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☐ WATER ☐ OIL ☑ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☑ SOIL ☐ WASTE WATER ☐ GROUND WATER ☐ OTHER

ANALYSES

Sample Number - Fraction SNL/NM	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	EXPLOSIVE RESIDUE 8330	TPH 418.1	TAL METALS 6010/7000					
16135-1	1222	241-55-20		G	N	X	X	X					
16136-1	1223	-21			N	X	X	X					
16137-1	1225	-22			N	X	X	X					
16138-1	1227	-23			N	X	X	X					
16140-1	1231	-25			N	X	X	X					
16143-1	1236	-28			N	X	X	X					
16144-1	1238	-29			N	X	X	X					
16145-1	1238	-29 D	DUPLICATE OF SNL/NM 16144-1		Y	X	X	X					

PROJECT

PROJECT NAME: TA 3/5 - SITE 241 | CASE NUMBER: 3617.300 | PROJECT CONTACT: PAULA SLAVIN | ORG. 7582 | PHONE 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Tim Jackson	Tim Jackson	TJ	IT CORP
2.	WYATT BOOHER	Wyatt Booher	WB	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSECO/AMAL | TRANSPORTED BY: SNL/SMO A44327 | SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 6-1-94 | DATA ENTERED (MM-DD-YY): 6/12/94 | BY: [illegible]

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

Sandia National Laboratories

SF 2001-SCL (12-93)

ENVIRONMENTAL PROGRAMS SAMPLE COLLECTION LOG

SCL- 00605

AR/COC No.: AR/COC- 00064

PAGE 3 OF 3

GENERAL INFORMATION

DATE: 5-24-94 WEATHER: PARTLY CLOUDY 60-70s

SAMPLING PROCEDURE REFERENCE: TA 3/5 RFI SAP

PURPOSE OF SAMPLING: PHASE I RFI

SAMPLING INFORMATION

ON-SITE CONTACT: CHRIS RAS ORG. 7582 PHONE 848-0391

AREA: III LOCATION: SITE 241 - SALVAGE YARD

SAMPLE DESCRIPTION

MATRIX: ☐ GAS ☐ LIQUID ☐ SLUDGE ☐ SOLID ☑ WATER ☐ OIL ☐ SOIL ☐ HAZ WASTE ☐ OTHER

COLLECTED FROM: ☐ DRUM ☐ TANK ☐ SURFACE WATER ☐ SOIL ☐ WASTE WATER ☐ GROUND WATER ☑ OTHER DI WATER

ANALYSES

Sample Number - Fraction (SNL/NM)	Time	LOCATION	COMMENTS	Sample Type Grab/Comp.	QC Sample (Y/N)	Explosive Residue 8330	TPH 418.1	TAL Metals 6010/7000					
✓ 16146 - 1	1315	241-SS-FBA	FIELD BLANK	G	Y	X							
✓ 16146 - 2	↓	↓	↓	↓	Y		X						
✓ 16146 - 3	↓	↓	↓	↓	Y			X					

PROJECT

PROJECT NAME: TA 3/5 - SITE 241 CASE NUMBER: 3617.300 PROJECT CONTACT: PAULA SLAVIN ORG. 7582 PHONE 848-0334

*ADDITIONAL INFORMATION: (Log Book Ref. #) PROJECT NO: 301455.152.02

SAMPLE TEAM MEMBERS

	NAME	SIGNATURE	INIT	COMPANY/ORGANIZATION
1.	Tim Jackson	Tim Jackson	TJ	IT CORP
2.	WYATT BOOHER	Wyatt Booher	WB	↓
3.				

SAMPLE TRACKING

SAMPLE DISTRIBUTION: ENSERD/RMAL

TRANSPORTED BY: SNL/SMO A 44327

SPECIAL HANDLING:

DATE SHIPPED (MM-DD-YY): 6/1/94

DATA ENTERED (MM-DD-YY): 6/12/94 BY:

*NOTE: Any additional sampling information must be recorded in an SNL-Issued Log Book or SCL Continuation Form with a Reference No. entered in this space.

WHITE - To Sample Management Office PINK- Originator

☐ TO BE COMPLETED BY SMO

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July 18, 1994

Mr. Jim Fish
c/o Ms. Katherine M. Becker
Sandia National Laboratory SMO
Organization 7576, Mail Stop 1305
BDM Building
2301 Buena Vista SE
Albuquerque, NM 87106

Dear Mr. Fish:

Enclosed is the report for sixteen soil samples and three aqueous samples received at Enseco-Rocky Mountain Analytical Laboratory on June 2, 1994. Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Ellen La Riviere

Ellen La Riviere
Program Administrator

EL
Enclosures

RMAL #035884

DATA REVIEWED

By: MB Garcia Date: 8-5-94

Checked: _____

Approved: _____

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

ANALYTICAL RESULTS

FOR

SANDIA NATIONAL LABORATORY

ENSECO-RMAL NO. 035884

JULY 18, 1994

Reviewed by: Ellen La Riviere

Ellen La Riviere

Enseco
4955 Yarrow Street
Arvada, Colorado 80002
303/421-6611 Fax: 303/431-7171

I. OVERVIEW

On June 2, 1994, Enseco-Rocky Mountain Analytical Laboratory received sixteen soil samples and three aqueous samples from Sandia National Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

"J" values have been reported for the volatiles, semivolatiles, and metals analyses. A "J" value indicates an estimated value. For Methods 8240 and 8270 a "J" value is where the mass spectra data indicate the presence of a compound which meets identification criteria; however, the result is less than the reporting limit but greater than the method detection limit (MDL). For metals analyses "J" values are reported for those analytes which lie between the instrument detection limit (IDL) and the Enseco reporting limit. Analytes which were not detected at or below the reporting limit are reported as "ND" and do not have "J" flags. Because "J values" may represent false positive concentrations, care should be used when interpreting these data.

Organic Data Review

The preparation holding time for Rocky Mountain Analytical Laboratory (RMAL) sample 035884-0017-EB was missed due to laboratory error.

The Method 8330 QC lot 04 JUN 94-N1 has the relative percent difference for tetryl exceeding control limits. In addition, the Method 8330 QC lot 08 JUN 94-N1 has the average percent recovery for 1,3,5-trinitrobenzene and 4-amino-2,6-dinitrotoluene exceeding control limits. Because no target analytes were detected in the samples, the data were deemed acceptable and are reported.

Metals Data Review

The Method 6010 QC lot 20 JUN 94-9A has the relative percent differences (RPD) for beryllium, cobalt, copper, lead, manganese, nickel and vanadium exceeding the Enseco quality control limits. Because the results are within the acceptance criteria published in SW-846, the data were deemed acceptable and are reported. The Enseco quality control limits are being reviewed.

Preparation blank contamination for calcium was noted in the Method 6010 QC lot 20 JUN 94-9A at twice the reporting limit (0.40 mg/L). Zinc was detected at the reporting limit in the trace ICP QC lot 20 JUN 94-9A. Because these exceed Enseco's current blank policy, at Sandia's request, Enseco will reanalyze the affected sample (RMAL sample 035884-0019-EB).

Wet Chemistry Data Review

Standard analytical protocols were followed in the wet chemistry analyses of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

The asbestos analysis was performed by Reservoirs Environmental Services, Inc. located at 1827 Grant Street, Denver, Colorado. The report submitted by this laboratory is included after the RMAL data sheets.

II. SAMPLE DESCRIPTION INFORMATION/ANALYTICAL TEST REQUESTS

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

III. ANALYTICAL RESULTS

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization date is the date when the project was defined by the client such that laboratory work could begin. The date prepared is typically the date an extraction or digestion was initiated. For volatile organic compounds in water, the date prepared is the date the screening of the sample was performed.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e., no correction is made for moisture content.

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data;

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix;

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench; and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{\left| \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2} \right|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

SAMPLE DESCRIPTION INFORMATION
for
Sandia National Laboratory

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
035884-0001-SA	SNL/NM 16117-1	SOIL	24 MAY 94	11:31	02 JUN 94
035884-0002-SA	SNL/NM 16128-1	SOIL	24 MAY 94	12:00	02 JUN 94
035884-0003-SA	SNL/NM 16128-1A	SOIL	24 MAY 94	12:00	02 JUN 94
035884-0004-SA	SNL/NM 16130-1	SOIL	24 MAY 94	12:09	02 JUN 94
035884-0005-SA	SNL/NM 16131-1	SOIL	24 MAY 94	12:10	02 JUN 94
035884-0006-SA	SNL/NM 16132-1	SOIL	24 MAY 94	12:10	02 JUN 94
035884-0007-SA	SNL/NM 16133-1	SOIL	24 MAY 94	12:15	02 JUN 94
035884-0008-SA	SNL/NM 16134-1	SOIL	24 MAY 94	12:20	02 JUN 94
035884-0008-MS	SNL/NM 16134-1	SOIL	24 MAY 94	12:20	02 JUN 94
035884-0008-SD	SNL/NM 16134-1	SOIL	24 MAY 94	12:20	02 JUN 94
035884-0009-SA	SNL/NM 16135-1	SOIL	24 MAY 94	12:22	02 JUN 94
035884-0010-SA	SNL/NM 16136-1	SOIL	24 MAY 94	12:23	02 JUN 94
035884-0011-SA	SNL/NM 16137-1	SOIL	24 MAY 94	12:25	02 JUN 94
035884-0012-SA	SNL/NM 16138-1	SOIL	24 MAY 94	12:27	02 JUN 94
035884-0013-SA	SNL/NM 16140-1	SOIL	24 MAY 94	12:31	02 JUN 94
035884-0014-SA	SNL/NM 16143-1	SOIL	24 MAY 94	12:36	02 JUN 94
035884-0015-SA	SNL/NM 16144-1	SOIL	24 MAY 94	12:38	02 JUN 94
035884-0016-SA	SNL/NM 16145-1	SOIL	24 MAY 94	12:38	02 JUN 94
035884-0017-SA	SNL/NM 16146-1	AQUEOUS	24 MAY 94	13:15	02 JUN 94
035884-0018-SA	SNL/NM 16146-2	AQUEOUS	24 MAY 94	13:15	02 JUN 94
035884-0019-SA	SNL/NM 16146-3	AQUEOUS	24 MAY 94	13:15	02 JUN 94

ANALYTICAL TEST REQUESTS
for
Sandia National Laboratory

Lab ID: 035884	Group Code	Analysis Description	Custom Test?
0001	A	PCBs	N
		Prep - PCBs by GC	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
0002 , 0004, 0005 - 0016	B	Total Petroleum Hydrocarbons (TPH), IR	N
		Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
		ICP Metals (Total)	Y
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA	N
		Prep - Mercury, Cold Vapor AA	N
0003	C	Asbestos, Microscopy	N
0017	D	Explosives by HPLC - Low Level	N
		Prep - Explosives by HPLC - Low Level	N
0018	E	Total Petroleum Hydrocarbons (TPH), IR	N
		Prep - Total Petroleum Hydrocarbons, IR	N
0019	F	TAL Metals (Total) done by ICP	N
		Prep - Total Metals, ICP	N
		ICP Metals (Total) by Trace ICP	Y
		Mercury, Cold Vapor AA (Total)	N
		Prep - Mercury, Cold Vapor AA (Total)	N

QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035884-0001-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0002-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0004-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0005-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0006-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0007-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0008-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0008-MS	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0008-SD	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0009-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0010-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0011-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0012-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0013-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0014-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0015-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0016-SA	SOIL	8330-LL-S	04 JUN 94-N1	04 JUN 94-N1
035884-0017-EB	AQUEOUS	8330-LL-A	08 JUN 94-N1	08 JUN 94-N1

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: 8330-LL-S								
Matrix: SOIL								
QC Lot: 04 JUN 94-N1								
Concentration Units: ug/g								
HMX	5.00	4.54	4.89	4.72	94	82-153	7.4	10
RDX	5.00	4.70	4.86	4.78	96	62-176	3.3	17
1,3,5-Trinitrobenzene	5.00	4.47	4.44	4.46	89	60-149	0.7	19
1,3-Dinitrobenzene	5.00	4.86	4.99	4.92	99	73-145	2.6	10
Tetryl	5.00	2.02	0.839	1.43	29	1-115	83	50
Nitrobenzene	5.00	5.47	5.51	5.49	110	73-135	0.7	10
2,4,6-Trinitrotoluene	5.00	4.24	3.88	4.06	81	1-160	8.9	15
4-Amino-2,6-dinitrotoluene	5.00	5.47	6.35	5.91	118	84-181	15	22
2-Amino-4,6-dinitrotoluene	5.00	4.91	5.03	4.97	99	82-140	2.4	14
2,6-Dinitrotoluene	5.00	4.65	4.71	4.68	94	85-120	1.3	10
2,4-Dinitrotoluene	5.00	4.86	4.98	4.92	98	78-133	2.4	10
2-Nitrotoluene	5.00	5.14	5.20	5.17	103	81-126	1.2	10
4-Nitrotoluene	5.00	5.19	5.22	5.20	104	79-125	0.6	10
3-Nitrotoluene	5.00	4.05	4.05	4.05	81	78-131	0.0	10
Category: 8330-LL-A								
Matrix: AQUEOUS								
QC Lot: 08 JUN 94-N1								
Concentration Units: ug/L								
HMX	2.50	2.47	2.58	2.52	101	58-131	4.4	27
RDX	2.50	2.03	2.05	2.04	82	67-149	1.0	26
1,3,5-Trinitrobenzene	2.50	3.89	4.07	3.98	159	44-140	4.5	23—
1,3-Dinitrobenzene	2.50	2.19	2.26	2.22	89	41-110	3.1	30
Tetryl	12.5	4.21	4.42	4.32	35	1-104	4.9	38
Nitrobenzene	2.50	1.97	1.84	1.90	76	24- 80	6.8	50
2,4,6-Trinitrotoluene	12.5	2.94	3.04	2.99	24	1-113	3.3	22
4-Amino-2,6-dinitrotoluene	2.50	6.25	6.61	6.43	257	65-160	5.6	38—
2-Amino-4,6-dinitrotoluene	2.50	2.48	2.56	2.52	101	50-121	3.2	35
2,6-Dinitrotoluene	2.50	2.25	2.16	2.20	88	39- 94	4.1	35
2,4-Dinitrotoluene	2.50	2.21	2.21	2.21	88	46-102	0.0	27
2-Nitrotoluene	2.50	1.64	1.63	1.64	65	23- 84	0.6	50
4-Nitrotoluene	2.50	1.72	1.70	1.71	68	26- 86	1.2	50
3-Nitrotoluene	2.50	1.89	1.84	1.86	75	23- 86	2.7	45

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 04 JUN 94-N1 QC Run: 04 JUN 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

Test: 8330-COE-LL-S			
Matrix: SOIL			
QC Lot: 04 JUN 94-N1 QC Run: 04 JUN 94-N1			
HMX	ND	ug/g	2.2
RDX	ND	ug/g	1.0
1,3,5-Trinitrobenzene	ND	ug/g	0.25
1,3-Dinitrobenzene	ND	ug/g	0.25
Tetryl	ND	ug/g	0.65
Nitrobenzene	ND	ug/g	0.26
2,4,6-Trinitrotoluene	ND	ug/g	0.25
4-Amino-2,6-dinitrotoluene	ND	ug/g	0.25
2-Amino-4,6-dinitrotoluene	ND	ug/g	0.25
2,6-Dinitrotoluene	ND	ug/g	0.26
2,4-Dinitrotoluene	ND	ug/g	0.25
2-Nitrotoluene	ND	ug/g	0.25
4-Nitrotoluene	ND	ug/g	0.25
3-Nitrotoluene	ND	ug/g	0.25

METHOD BLANK REPORT
Organics by Chromatography (cont.)

Test: 8330-COE-LL-A
Matrix: AQUEOUS
QC Lot: 08 JUN 94-N1 QC Run: 08 JUN 94-N1

Analyte	Result	Units	Reporting Limit
HMX	ND	ug/L	0.80
RDX	ND	ug/L	0.84
1,3,5-Trinitrobenzene	ND	ug/L	0.26
1,3-Dinitrobenzene	ND	ug/L	0.11
Tetryl	ND	ug/L	0.80
Nitrobenzene	ND	ug/L	0.25
2,4,6-Trinitrotoluene	ND	ug/L	0.11
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.060
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.035
2,6-Dinitrotoluene	ND	ug/L	0.31
2,4-Dinitrotoluene	ND	ug/L	0.020
2-Nitrotoluene	ND	ug/L	0.25
4-Nitrotoluene	ND	ug/L	0.25
3-Nitrotoluene	ND	ug/L	0.25

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Organics by Chromatography

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	8330-COE-LL-S	035884-0008-SD	04 JUN 94-N1
MATRIX SPIKE	8330-COE-LL-S	035884-0008-MS	04 JUN 94-N1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Organics by Chromatography

Analyte	Sample	Concentration Matrix Spike	Concentration Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: 8330-COE-LL-S								
Matrix SOIL								
Sample: 035884-0008								
Units: ug/g								
HMX	ND	4.2	4.8	5.0	5.0	84	96	14
RDX	ND	4.2	4.7	5.0	5.0	83	95	13
1,3,5-Trinitrobenzene	ND	4.0	4.5	5.0	5.0	80	89	11
1,3-Dinitrobenzene	ND	4.3	5.0	5.0	5.0	87	99	14
Tetryl	ND	2.2	2.6	5.0	5.0	44	52	16
Nitrobenzene	ND	4.5	5.2	5.0	5.0	91	103	13
2,4,6-Trinitrotoluene	ND	3.7	4.3	5.0	5.0	75	87	15
4-Amino-2,6-dinitrotoluene	ND	4.5	5.2	5.0	5.0	90	103	14
2-Amino-4,6-dinitrotoluene	ND	4.4	5.0	5.0	5.0	88	101	14
2,6-Dinitrotoluene	ND	4.1	4.7	5.0	5.0	82	93	13
2,4-Dinitrotoluene	ND	4.3	4.9	5.0	5.0	87	98	13
2-Nitrotoluene	ND	4.5	5.1	5.0	5.0	90	103	13
4-Nitrotoluene	ND	5.1	5.8	5.0	5.0	102	115	12
3-Nitrotoluene	ND	3.6	4.1	5.0	5.0	72	81	12

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035884-0001-SA	SOIL	PCB-S	06 JUN 94-N1	06 JUN 94-N1

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DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: PCB-S								
Matrix: SOIL								
QC Lot: 06 JUN 94-N1								
Concentration Units: ug/kg								
Aroclor 1254	33.3	35.1	31.2	33.2	100	49-130	12	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Semivolatile Organics by GC

Analyte	Result	Units	Reporting Limit
Test: 8080-PCB-SAN-S			
Matrix: SOIL			
QC Lot: 06 JUN 94-N1 QC Run: 06 JUN 94-N1			
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035884-0001-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0001-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0001-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0002-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0002-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0002-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0004-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0004-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0004-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0005-SA	SOIL	ICP-S	09 JUN 94-9B	09 JUN 94-9B
035884-0005-SA	SOIL	ICP-TRA-S	09 JUN 94-9B	09 JUN 94-9B
035884-0005-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0006-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0006-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0006-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0007-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0007-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0007-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0008-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0008-MS	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-MS	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-MS	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0008-SD	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-SD	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0008-SD	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0009-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0009-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0009-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0010-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0010-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0010-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0011-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0011-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0011-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0012-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0012-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0012-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0013-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0013-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0013-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0014-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0014-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0014-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0015-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0015-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation (cont.)

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035884-0015-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0016-SA	SOIL	ICP-S	08 JUN 94-9A	08 JUN 94-9A
035884-0016-SA	SOIL	ICP-TRA-S	08 JUN 94-9A	08 JUN 94-9A
035884-0016-SA	SOIL	HG-CVAA-S	20 JUN 94-9A	20 JUN 94-9A
035884-0019-EB	AQUEOUS	ICP-AT	20 JUN 94-9A	20 JUN 94-9A
035884-0019-EB	AQUEOUS	ICP-TRA-AT	13 JUN 94-9B	13 JUN 94-9B
035884-0019-EB	AQUEOUS	HG-CVAA-AT	06 JUN 94-9C	06 JUN 94-9X

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Limits	Precision (RPD) DCS	Limit
Category: ICP-S								
Matrix: SOIL								
QC Lot: 08 JUN 94-9A								
Concentration Units: mg/kg								
Aluminum	200	189	186	188	94	80-120	1.8	20
Antimony	50	43.8	42.3	43.0	86	80-120	3.5	20
Arsenic	50	44.2	43.8	44.0	88	80-120	1.0	20
Barium	200	185	186	185	93	80-120	0.8	20
Beryllium	5.0	5.00	5.06	5.03	101	80-120	1.2	20
Cadmium	5.0	4.60	4.97	4.78	96	80-120	7.7	20
Calcium	10000	9380	9470	9420	94	80-120	0.9	20
Chromium	20	18.7	18.8	18.8	94	80-120	0.5	20
Cobalt	50	46.2	47.1	46.6	93	80-120	1.9	20
Copper	25	23.4	24.2	23.8	95	80-120	3.3	20
Iron	100	85.0	84.3	84.7	85	80-120	0.9	20
Lead	50	45.8	44.8	45.3	91	80-120	2.3	20
Magnesium	5000	4680	4750	4720	94	80-120	1.4	20
Manganese	50	47.1	46.7	46.9	94	80-120	0.9	20
Nickel	50	45.6	45.8	45.7	91	80-120	0.4	20
Potassium	5000	4510	4650	4580	92	80-120	3.1	20
Silver	5	4.81	4.86	4.83	97	80-120	1.1	20
Sodium	10000	9830	10100	9950	99	80-120	2.4	20
Vanadium	50	44.1	45.5	44.8	90	80-120	3.1	20
Zinc	50	44.6	44.2	44.4	89	80-120	0.8	20
Category: ICP-TRA-S								
Matrix: SOIL								
QC Lot: 08 JUN 94-9A								
Concentration Units: mg/kg								
Aluminum	3650	NA	NA	NC	NC	53-153	NC	20
Antimony	75.0	NA	NA	NC	NC	10-174	NC	30
Arsenic	50.0	51.3	49.3	50.3	101	49-153	4.0	20
Barium	64.8	NA	NA	NC	NC	70-136	NC	14
Beryllium	26.7	NA	NA	NC	NC	64-139	NC	12
Cadmium	61.6	NA	NA	NC	NC	59-140	NC	12
Calcium	2330	NA	NA	NC	NC	68-136	NC	20
Chromium	44.1	NA	NA	NC	NC	59-138	NC	15
Cobalt	177	NA	NA	NC	NC	64-139	NC	10
Copper	78.1	NA	NA	NC	NC	62-144	NC	12
Iron	7360	NA	NA	NC	NC	67-149	NC	16
Lead	50.0	50.8	48.2	49.5	99	53-139	5.3	13

ND = Not detected
NC = Not calculated, calculation not applicable
NA = Not applicable

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Average(%) Limits	Precision (RPD) DCS	Precision (RPD) Limit
Category: ICP-TRA-S								
Matrix: SOIL								
QC Lot: 08 JUN 94-9A								
Concentration Units: mg/kg								
Magnesium	2550	NA	NA	NC	NC	63-141	NC	20
Manganese	141	NA	NA	NC	NC	69-134	NC	20
Molybdenum	104	NA	NA	NC	NC	62-141	NC	15
Nickel	110	NA	NA	NC	NC	59-142	NC	12
Potassium	3310	NA	NA	NC	NC	63-133	NC	20
Selenium	50.0	50.5	47.9	49.2	98	49-145	5.3	20
Silver	71.7	NA	NA	NC	NC	41-146	NC	18
Sodium	346	NA	NA	NC	NC	52-146	NC	39
Thallium	50.0	50.5	48.9	49.7	99	49-153	3.2	14
Vanadium	83.0	NA	NA	NC	NC	68-136	NC	16
Zinc	78.2	NA	NA	NC	NC	58-152	NC	10
Category: HG-CVAA-S								
Matrix: SOIL								
QC Lot: 20 JUN 94-9A								
Concentration Units: mg/kg								
Mercury	0.500	0.471	0.480	0.476	95	75-125	1.9	20
Category: ICP-S								
Matrix: SOIL								
QC Lot: 09 JUN 94-9B								
Concentration Units: mg/kg								
Aluminum	200	178	173	175	88	80-120	2.9	20
Antimony	50	46.1	46.4	46.3	93	80-120	0.6	20
Arsenic	50	40.9	41.3	41.1	82	80-120	1.1	20
Barium	200	177	175	176	88	80-120	1.4	20
Beryllium	5.0	4.76	4.60	4.68	94	80-120	3.2	20
Cadmium	5.0	4.52	4.52	4.52	90	80-120	0.0	20
Calcium	10000	9160	9060	9110	91	80-120	1.2	20
Chromium	20	18.0	18.3	18.1	91	80-120	1.7	20
Cobalt	50	45.0	44.4	44.7	89	80-120	1.4	20
Copper	25	22.5	22.3	22.4	90	80-120	1.1	20
Iron	100	84.2	81.7	82.9	83	80-120	3.1	20
Lead	50	45.5	44.4	44.9	90	80-120	2.4	20
Magnesium	5000	4720	4670	4700	94	80-120	1.1	20
Manganese	50	45.0	44.5	44.8	90	80-120	1.1	20

ND = Not detected
'C = Not calculated, calculation not applicable
.A = Not applicable

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-S Matrix: SOIL QC Lot: 09 JUN 94-9B Concentration Units: mg/kg								
Nickel	50	45.0	43.1	44.0	88	80-120	4.5	20
Potassium	5000	4460	4390	4430	89	80-120	1.5	20
Silver	5	4.30	4.26	4.28	86	80-120	1.0	20
Sodium	10000	9720	9550	9640	96	80-120	1.8	20
Vanadium	50	42.7	42.2	42.5	85	80-120	1.1	20
Zinc	50	43.3	43.1	43.2	86	80-120	0.3	20
Category: ICP-TRA-S Matrix: SOIL QC Lot: 09 JUN 94-9B Concentration Units: mg/kg								
Aluminum	3650	NA	NA	NC	NC	53-153	NC	20
Antimony	75.0	NA	NA	NC	NC	10-174	NC	30
Arsenic	50.0	52.1	53.3	52.7	105	49-153	2.3	2(
Barium	64.8	NA	NA	NC	NC	70-136	NC	14
Beryllium	26.7	NA	NA	NC	NC	64-139	NC	12
Cadmium	61.6	NA	NA	NC	NC	59-140	NC	12
Calcium	2330	NA	NA	NC	NC	68-136	NC	20
Chromium	44.1	NA	NA	NC	NC	59-138	NC	15
Cobalt	177	NA	NA	NC	NC	64-139	NC	10
Copper	78.1	NA	NA	NC	NC	62-144	NC	12
Iron	7360	NA	NA	NC	NC	67-149	NC	16
Lead	50.0	51.5	52.3	51.9	104	53-139	1.5	13
Magnesium	2550	NA	NA	NC	NC	63-141	NC	20
Manganese	141	NA	NA	NC	NC	69-134	NC	20
Molybdenum	104	NA	NA	NC	NC	62-141	NC	15
Nickel	110	NA	NA	NC	NC	59-142	NC	12
Potassium	3310	NA	NA	NC	NC	63-133	NC	20
Selenium	50.0	50.6	51.9	51.2	103	49-145	2.5	20
Silver	71.7	NA	NA	NC	NC	41-146	NC	18
Sodium	346	NA	NA	NC	NC	52-146	NC	39
Thallium	50.0	51.4	52.9	52.2	104	49-153	2.9	14
Vanadium	83.0	NA	NA	NC	NC	68-136	NC	16
Zinc	78.2	NA	NA	NC	NC	58-152	NC	10

ND = Not detected
NC = Not calculated, calculation not applicable
NA = Not applicable

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: ICP-AT								
Matrix: AQUEOUS								
QC Lot: 20 JUN 94-9A								
Concentration Units: mg/L								
Aluminum	2.00	1.76	1.95	1.86	93	80-116	10	10
Antimony	0.500	0.456	0.504	0.480	96	80-115	9.9	14
Arsenic	0.500	0.474	0.530	0.502	100	80-115	11	17
Barium	2.00	1.82	2.02	1.92	96	80-114	10	10
Beryllium	0.0500	0.0485	0.0547	0.0516	103	80-120	12	10
Cadmium	0.0500	0.0524	0.0605	0.0564	113	80-119	14	16
Calcium	100	103	103	103	103	80-114	0.6	10
Chromium	0.200	0.177	0.196	0.186	93	80-116	10	11
Cobalt	0.500	0.491	0.549	0.520	104	80-114	11	10
Copper	0.250	0.245	0.279	0.262	105	80-120	13	10
Iron	1.00	0.824	0.909	0.867	87	80-120	9.8	11
Lead	0.500	0.474	0.543	0.509	102	80-119	14	10
Magnesium	50.0	52.4	52.7	52.6	105	81-120	0.5	10
Manganese	0.500	0.491	0.560	0.525	105	80-116	13	10
Nickel	0.500	0.481	0.546	0.513	103	80-114	13	10
Potassium	50.0	49.7	49.7	49.7	99	80-120	0.1	13
Selenium	0.500	0.482	0.510	0.496	99	80-120	5.6	20
Silver	0.050	0.0435	0.0462	0.0449	90	80-119	6.0	15
Sodium	100	106	107	107	107	80-120	1.5	10
Vanadium	0.500	0.425	0.475	0.450	90	80-116	11	10
Zinc	0.500	0.490	0.554	0.522	104	80-120	12	13
Category: ICP-TRA-AT								
Matrix: AQUEOUS								
QC Lot: 13 JUN 94-9B								
Concentration Units: mg/L								
Antimony	0.50	0.527	0.506	0.516	103	80-120	4.0	20
Arsenic	0.50	0.507	0.484	0.495	99	80-120	4.6	20
Cadmium	0.050	0.0546	0.0524	0.0535	107	80-120	4.1	20
Lead	0.50	0.530	0.511	0.521	104	80-120	3.7	20
Selenium	0.50	0.508	0.497	0.503	101	80-120	2.2	20
Thallium	0.50	0.560	0.543	0.552	110	80-120	3.0	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	Measured AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: HG-CVAA-AT								
Matrix: AQUEOUS								
QC Lot: 06 JUN 94-9C								
Concentration Units: mg/L								
Mercury	0.00100	0.00103	0.00104	0.00104	104	75-125	1.0	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 08 JUN 94-9A QC Run: 08 JUN 94-9A			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 08 JUN 94-9A QC Run: 08 JUN 94-9A			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 20 JUN 94-9A QC Run: 20 JUN 94-9A			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 08 JUN 94-9A QC Run: 08 JUN 94-9A			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 08 JUN 94-9A QC Run: 08 JUN 94-9A			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: HG-CVAA-S			
Matrix: SOIL			
QC Lot: 20 JUN 94-9A QC Run: 20 JUN 94-9A			
Mercury	ND	mg/kg	0.10

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-S			
Matrix: SOIL			
QC Lot: 09 JUN 94-9B QC Run: 09 JUN 94-9B			
Aluminum	ND	mg/kg	10.0
Antimony	ND	mg/kg	6.0
Barium	ND	mg/kg	1.0
Beryllium	ND	mg/kg	0.20
Cadmium	ND	mg/kg	0.50
Calcium	ND	mg/kg	20.0
Chromium	ND	mg/kg	1.0
Cobalt	ND	mg/kg	1.0
Copper	ND	mg/kg	2.0
Iron	ND	mg/kg	10.0
Magnesium	ND	mg/kg	20.0
Manganese	ND	mg/kg	1.0
Nickel	ND	mg/kg	4.0
Potassium	ND	mg/kg	500
Silver	ND	mg/kg	1.0
Sodium	ND	mg/kg	500
Vanadium	ND	mg/kg	1.0
Zinc	ND	mg/kg	2.0
Test: ICP-TRACE-S			
Matrix: SOIL			
QC Lot: 09 JUN 94-9B QC Run: 09 JUN 94-9B			
Arsenic	ND	mg/kg	1.0
Lead	ND	mg/kg	0.30
Selenium	ND	mg/kg	0.50
Thallium	ND	mg/kg	1.0
Test: ICP-TAL-AT			
Matrix: AQUEOUS			
QC Lot: 20 JUN 94-9A QC Run: 20 JUN 94-9A			
Aluminum	ND	mg/L	0.10
Antimony	ND	mg/L	0.060
Barium	ND	mg/L	0.010
Beryllium	ND	mg/L	0.0020
Cadmium	ND	mg/L	0.0050
Calcium	0.40	mg/L	0.20
Chromium	ND	mg/L	0.010

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)

Analyte	Result	Units	Reporting Limit
Test: ICP-TAL-AT			
Matrix: AQUEOUS			
QC Lot: 20 JUN 94-9A QC Run: 20 JUN 94-9A			
Cobalt	ND	mg/L	0.010
Copper	ND	mg/L	0.020
Iron	ND	mg/L	0.10
Magnesium	ND	mg/L	0.20
Manganese	ND	mg/L	0.010
Nickel	ND	mg/L	0.040
Potassium	ND	mg/L	5.0
Silver	ND	mg/L	0.010
Sodium	ND	mg/L	5.0
Vanadium	ND	mg/L	0.010
Zinc	0.020	mg/L	0.020
Test: ICP-TRACE-AT			
Matrix: AQUEOUS			
QC Lot: 13 JUN 94-9B QC Run: 13 JUN 94-9B			
Arsenic	ND	mg/L	0.010
Lead	ND	mg/L	0.0030
Selenium	ND	mg/L	0.0050
Thallium	ND	mg/L	0.010
Test: HG-CVAA-GLASS-AT			
Matrix: AQUEOUS			
QC Lot: 06 JUN 94-9C QC Run: 06 JUN 94-9X			
Mercury	ND	mg/L	0.00020

MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Metals Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	ICP-S	035884-0008-SD	08 JUN 94-9A
MATRIX SPIKE	ICP-S	035884-0008-MS	08 JUN 94-9A
MATRIX SPIKE DUPLICATE	ICP-TRACE-S	035884-0008-SD	08 JUN 94-9A
MATRIX SPIKE	ICP-TRACE-S	035884-0008-MS	08 JUN 94-9A
MATRIX SPIKE DUPLICATE	HG-CVAA-S	035884-0008-SD	20 JUN 94-9A
MATRIX SPIKE	HG-CVAA-S	035884-0008-MS	20 JUN 94-9A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Metals Analysis and Preparation

Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	Spiked MSD	%Recovery MS	%Recovery MSD	% RPD
Test: ICP-S Matrix SOIL Sample: 035884-0008 Units: mg/kg								
Aluminum	5030	4600	4840	200	200	NC	NC	NC
Antimony	29.6	21.4	22.8	50.0	50.0	NC	NC	NC
Barium	59.8	225	231	200	200	83	86	3
Beryllium	0.59	5.5	5.5	5.0	5.0	98	99	1
Cadmium	ND	4.7	5.4	5.0	5.0	94	109	15
Calcium	4970	13100	14200	10000	10000	81	93	13
Chromium	7.5	24.3	24.3	20.0	20.0	84	84	0
Cobalt	3.2	47.9	47.5	50.0	50.0	89	89	1
Copper	6.3	28.1	28.4	25.0	25.0	87	89	2
Iron	9000	7200	7480	100	100	NC	NC	NC
Magnesium	1760	6160	6160	5000	5000	88	88	0
Manganese	139	158	168	50.0	50.0	39	57	39
Nickel	4.5	49.2	49.2	50.0	50.0	89	89	0
Potassium	1480	5640	5670	5000	5000	83	84	1
Silver	ND	4.5	4.3	5.0	5.0	91	86	6
Sodium	126 J	9610	9640	10000	10000	95	95	0
Vanadium	16.8	54.9	55.1	50.0	50.0	76	77	0
Zinc	41.0	69.8	71.8	50.0	50.0	57	62	7
Test: ICP-TRACE-S Matrix SOIL Sample: 035884-0008 Units: mg/kg								
Arsenic	2.8	48.3	49.0	50.0	50.0	91	92	2
Lead	11.6	57.4	56.5	50.0	50.0	92	90	2
Selenium	ND	45.0	45.1	50.0	50.5	90	89	1
Thallium	ND	45.1	45.3	50.0	50.0	90	91	0
Test: HG-CVAA-S Matrix SOIL Sample: 035884-0008 Units: mg/kg								
Mercury	ND	0.50	0.53	0.50	0.50	100	105	5

J = Result is detected below the reporting limit or is an estimated concentration.
ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

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QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035884-0002-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0004-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0005-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0006-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0007-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0008-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0008-MS	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0008-SD	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0009-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0010-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0011-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0012-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0013-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0014-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0015-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0016-SA	SOIL	TPH-IR-S	21 JUN 94-M6	21 JUN 94-M6
035884-0018-EB	AQUEOUS	TPH-IR-A	21 JUN 94-9D	21 JUN 94-9D

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DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Measured DCS1	Measured DCS2	AVG	Accuracy Average(%) DCS	Accuracy Limits	Precision (RPD) DCS	Precision Limit
Category: TPH-IR-S Matrix: SOIL QC Lot: 21 JUN 94-M6 Concentration Units: mg/kg								
Total Petroleum Hydrocarbons	1450	1440	1360	1400	96	75-123	5.4	17
Category: TPH-IR-A Matrix: AQUEOUS QC Lot: 21 JUN 94-9D Concentration Units: mg/L								
Total Petroleum Hydrocarbons	20.0	17.7	18.2	18.0	90	64-111	2.8	18

Calculations are performed before rounding to avoid round-off errors in calculated results.

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METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TPH-IR-S Matrix: SOIL QC Lot: 21 JUN 94-M6 QC Run: 21 JUN 94-M6			
Total Petroleum Hydrocarbons	ND	mg/kg	20.0
Test: TPH-IR-A Matrix: AQUEOUS QC Lot: 21 JUN 94-9D QC Run: 21 JUN 94-9D			
Total Petroleum Hydrocarbons	ND	mg/L	1.0

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MATRIX SPECIFIC QC
ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

QC SAMPLE TYPE	TEST	LABORATORY SAMPLE NUMBER	QC LOT
MATRIX SPIKE DUPLICATE	TPH-IR-S	035884-0008-SD	21 JUN 94-M6
MATRIX SPIKE	TPH-IR-S	035884-0008-MS	21 JUN 94-M6

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE REPORT
Wet Chemistry Analysis and Preparation

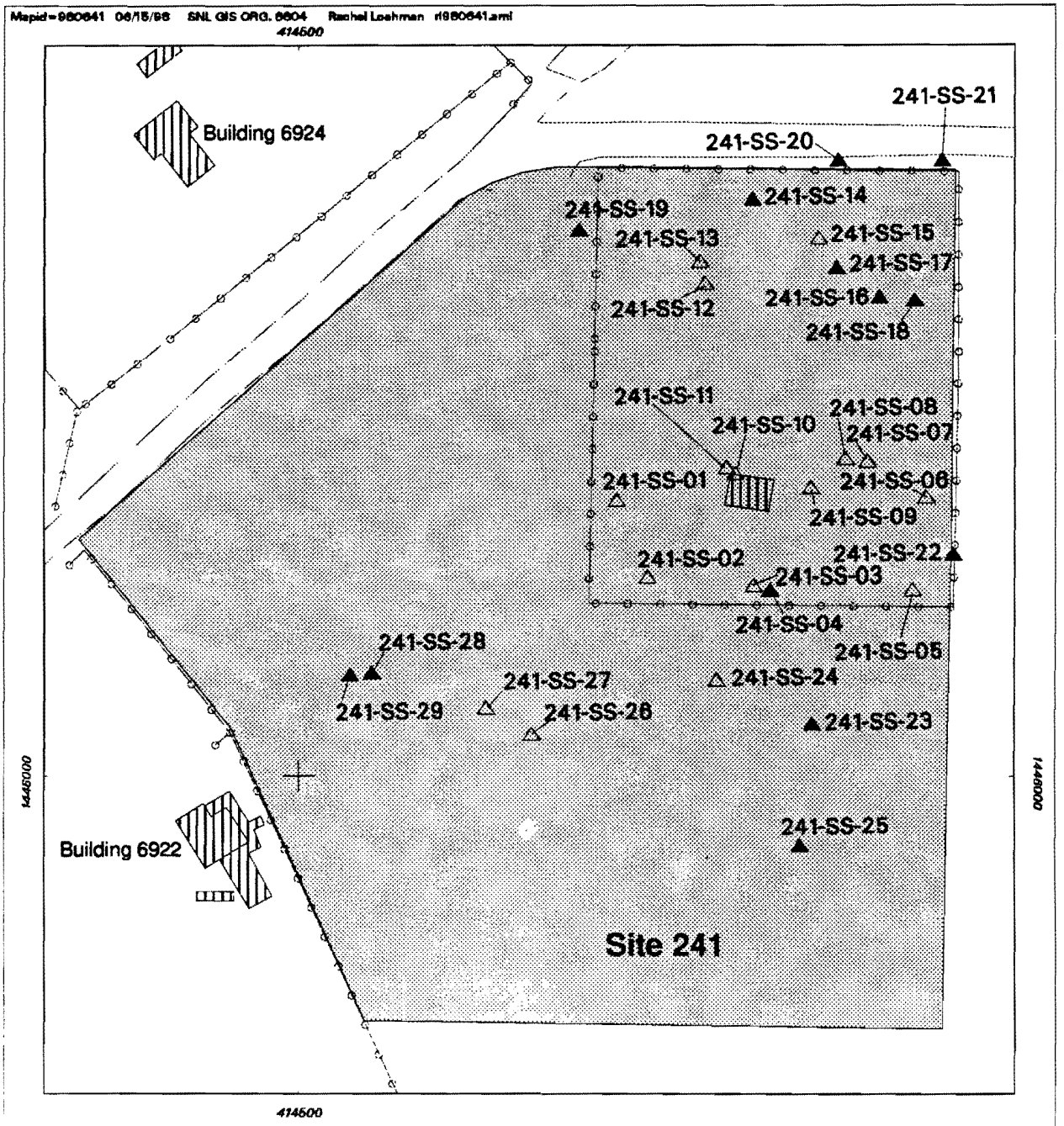
Analyte	Sample	Concentration Matrix Spike	Matrix Spike Dup	Spiked MS	MSD	%Recovery MS	MSD	% RPD
Test: TPH-IR-S								
Matrix SOIL								
Sample: 035884-0008								
Units: mg/kg								
Total Petroleum Hydrocarbons	ND	199	199	250	250	80	80	0

ND = Not detected
NC = Not calculated, calculation not applicable

All calculations are performed before rounding to avoid round-off errors in calculated results.

Attachment 241-2

Revised Figure 23-2, Location of Surface Soil Samples at ER Site 241, Technical Area III



Legend

- 241-SS-26 Field Screened Sample
- 241-SS-29 Off-Site Lab Sample
  Note: All samples were field screened
- Road
- Fence
- ER Site 241
- Building

Location of Surface Soil Samples at ER Site 241, Technical Area III

0 40 80
Scale in Feet

0 9.6 19.2
Scale in Meters

N

Sandia National Laboratories, New Mexico
Environmental Geographic Information System