LA-UR-08-0179
January 2008
EP2007-0809

Investigation Report for Middle Los Alamos Canyon Aggregate Area

Los Alamos
NATIONAL LABORATORY
EST.1943

Prepared by the Environmental Programs Directorate

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Responsible project leader:

Printed Name	Signature	Title	Organization	Date
Steven M. Paris	Steven M. Paris	Project Leader	Environmental Programs	1/17/08

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
Susan G. Stiger	Susan G. Stiger	Associate Director	Environmental Programs	1/18/08

Responsible DOE representative:

Printed Name	Signature	Title	Organization	Date
David R. Gregory	David R. Gregory	Project Director	DOE-LASO	1/21/08

EXECUTIVE SUMMARY

This investigation report presents the results of investigation activities at 40 solid waste management units (SWMUs), areas of concern (AOCs), and consolidated units in the Middle Los Alamos Canyon Aggregate Area at Los Alamos National Laboratory (the Laboratory). The SWMUs, AOCs, and consolidated units are located in Technical Area (TA-02), -21, and -26 [one site, SWMU 02-006(a), is physically located in TA-61, adjacent to TA-02, but is designated as part of TA-02].

The objective of this investigation is to define the nature and extent of contamination at the 40 sites and, if the nature and extent of contamination are defined, to determine whether contamination at any of the sites poses a potential unacceptable risk to human health or the environment. This investigation report presents the results of site characterization activities conducted in 2007, as directed by the Investigation Work Plan for Middle Los Alamos Canyon Aggregate Area. The investigation work plan was submitted to the New Mexico Environment Department (NMED) in December 2005 and was approved by NMED in May 2006.

Sites at TA-02 include areas of residual contamination related to the former Omega West Reactor facility. That facility underwent extensive remediation, concluding with the decontamination and decommissioning of all remaining structures in 2003. Sites at TA-21 include an area that formerly included several small storage areas and the suspected location of one or more former seepage pits. The TA-26 site includes the area formerly occupied by the East Gate storage vault. The vault and associated structures were demolished in 1965–1966.

The investigation activities conducted in 2007, presented in this report, included the collection of 1255 surface and shallow subsurface soil, sediment, and rock samples from 407 locations, from the surface to a maximum depth of 39 ft below ground surface. The samples were analyzed for inorganic chemicals, including metals, hexavalent chromium, cyanide (total), nitrate, and perchlorate; organic chemicals, including volatile organic chemicals (VOCs), semivolatile organic chemicals (SVOCs), polychlorinated biphenyls (PCBs), dioxins/furans, and total petroleum hydrocarbons; and radionuclides, including americium-241, gamma-emitting radionuclides, isotopic plutonium, strontium-90, tritium, and isotopic uranium. Data from the samples collected in 2007 were combined with data collected before 2007 that met current Laboratory data quality requirements.

The sample data presented in this report indicate that residual contamination remains at all the sites investigated. Although the approved work plan was executed, the extent of that contamination has not been defined at any of the sites. However, the nature of contamination has been defined by the data collected. The contaminants identified in various combination at some or all of the sites include metals; other inorganic chemicals (hexavalent chromium, nitrate, and perchlorate); PCBs; SVOCs; VOCs; and radionuclides, especially cesium-137, plutonium-239/240, and tritium.

Because the extent of contamination is not defined, human health and ecological risk-screening assessments were not conducted and are not presented in this report. Preliminary risk-screening assessments were conducted to identify contaminants present at concentrations that are likely to contribute to potential unacceptable risk. Four AOCs [02-004(a), 02-004(f), 02-011(a), and 02-010] and Consolidated Unit 21-006(e)-99 were identified as having contaminant concentrations likely to result in cancer risk or radiation dose above established target levels.

Based on the data presented in this report, the Laboratory will remediate the soil at the five sites identified as potentially having cancer risk or radiation dose above target levels. The Laboratory intends to provide an investigation work plan to address additional sampling required to define the extent of contamination, as necessary, at all the sites included in this report. This Phase II work plan will identify specific

remediation goals and identify specific sampling locations, sampling depths, and analytical suites required to define the extent of contamination for all sites.

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1.0 INTRODUCTION

Los Alamos National Laboratory (LANL or the Laboratory) is a multidisciplinary research facility owned by the U.S. Department of Energy (DOE) and managed by the Los Alamos National Security, LLC. The Laboratory is located in north-central New Mexico, approximately 60 mi northeast of Albuquerque and 20 mi northwest of Santa Fe. The Laboratory site covers 40 mi^2 of the Pajarito Plateau, which consists of a series of fingerlike mesas separated by deep canyons containing perennial and intermittent streams running from west to east. Mesa tops range in elevation from approximately 6200 to 7800 ft.

The Laboratory's Environmental Programs (EP) Directorate, which includes the former Environmental Restoration (ER) Project, is participating in a national effort by DOE to clean up sites and facilities formerly involved in weapons research and development. The goal of EP is to ensure that past operations do not threaten human or environmental health and safety in and around Los Alamos County, New Mexico. To achieve this goal, EP is currently investigating sites potentially contaminated by past Laboratory operations. The sites under investigation are designated as either solid waste management units (SWMUs), areas of concern (AOCs), or consolidated units consisting of two or more SWMUs/AOCs.

This investigation report describes the characterization activities conducted in 2007 to complete the investigation of SWMUs, AOCs, and consolidated units in Technical Area (TA-02), -21, and -26 within the Middle Los Alamos Canyon Aggregate Area at the Laboratory (Figure 1.0-1). These sites are potentially contaminated with hazardous chemicals and radionuclides.

Corrective actions at the Laboratory are subject to the March 1, 2005, Compliance Order on Consent (Consent Order). The Consent Order was issued pursuant to the New Mexico Hazardous Waste Act, New Mexico Statutes Annotated (NMSA) 1978, § 74-4-10, and the New Mexico Solid Waste Act, NMSA 1978, § 74-9-36(D). Radionuclides are regulated under DOE Order 5400.5, "Radiation Protection of the Public and the Environment," and DOE Order 435.1, "Radioactive Waste Management."

The sites addressed in this report are in the Middle Los Alamos Canyon Aggregate Area, which lies within the Middle Los Alamos Canyon Watershed (Figure 1.0-2). Laboratory operations at these sites date to the mid-1940s and had largely ceased by the 1990s. The last of the TA-02 facilities discussed in this report were decontaminated and decommissioned (D&D) in September 2003 (LANL 2003, 082646, pp. 29-30).

The Laboratory's EP Directorate evaluated the existing data, assessed potential impacts, and defined additional data needs for the sites. This was documented in the "Investigation Work Plan for Middle Los Alamos Canyon Aggregate Area, Revision 1" (LANL 2006, 092571.12). The investigation work plan was approved by the NMED Hazardous Waste Bureau in May 2006 (NMED 2006, 095416) and was implemented in 2007.

This investigation report addresses SWMUs, AOCs, and consolidated units that are potentially contaminated with both hazardous and radioactive chemicals. Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to NMED in accordance with DOE policy.

1.1 General Site Information

The Middle Los Alamos Canyon Aggregate Area consists of 80 sites (Table 1.1-1). These include 20 sites that were approved for no further action (NFA) by the U.S. Environmental Protection Agency (EPA) or NMED (NMED 2001, 069874; EPA 2005, 088464), eight sites that underwent voluntary corrective actions and have received a certificate of complete without controls (NMED 2006, 091517), and two that have

been removed from the Laboratory's Hazardous Waste Facility Permit (NMED 2001, 070236; NMED 2003, 078138). The investigation of nine sites is being delayed until buildings, processes, or utilities are removed from service, as described in the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). One site (AOC 53-008) is located in an area that drains into Sandia Canyon rather than into Los Alamos Canyon. That site will be included in the investigation work plan for the Lower Sandia Canyon Aggregate Area, to be submitted April 30, 2009. These 40 sites are not discussed further in this investigation report; details are provided in the historical investigation report for the Middle Los Alamos Canyon Aggregate Area (LANL 2005, 090631).

This investigation report addresses the remaining 40 sites at TA-02, -21, and -26. These include 8 SWMUs, 26 AOCs, and 2 consolidated units consisting of 5 SWMUs and 1 AOC. Table 1.1-1 includes a list of all the sites in the Middle Los Alamos Canyon Aggregate Area, brief descriptions of each, their current status, and the section where each is discussed in this report, if applicable.

1.2 Purpose of Investigation

The objective of this investigation is to characterize the nature and extent of contamination associated with the sites in the Middle Los Alamos Canyon Aggregate Area and, if the nature and extent of contamination are defined, to determine whether contamination at any of the sites poses a potential unacceptable risk to human health or the environment. This investigation report includes the results of 2007 site characterization activities, including collecting surface and shallow subsurface samples and analyzing the results to evaluate site conditions.

1.3 Scope of Activities

This section describes the investigation activities conducted at the Middle Los Alamos Canyon Aggregate Area from July 2007 to November 2007, in accordance with the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Activities included a geophysical survey and collection of surface and subsurface samples.

The field methods, quality procedures (QPs), and standard operating procedures (SOPs) used during the 2007 characterization activities are presented in Appendix B, along with descriptions of deviations from the approved work plan. The results of sample analyses are summarized in Appendix E.

A total of 1255 samples from 407 locations were collected in 2007 and submitted to off-site contract analytical laboratories for analyses. Table 1.3-1 identifies the sample locations proposed in the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416) and the corresponding sample locations included in this report. A total of 147 field duplicate samples were collected in 2007.

The samples collected in 2007 were analyzed for one or more of the following: target analyte list (TAL) metals, anions (nitrate), perchlorate, hexavalent chromium, americium-241, gamma-emitting radionuclides, tritium, isotopic plutonium and uranium, explosive compounds, polychlorinated biphenyls (PCBs), semivolatile organic compounds (SVOCs), volatile organic compounds (VOCs), dioxins/furans, total petroleum hydrocarbons–diesel range organics (TPH-DRO), and wet chemistry (potential of hydrogen [pH]).

Data from the samples collected in 2007 were combined with data from samples collected previously (1995–2003). The final combined data set includes data from 1521 samples and 147 field duplicate samples. Table 1.3-2 lists the analyses that were requested for each sample.

1.3.1 Geodetic Survey

A geodetic survey was initiated in July 2007 and a Trimble global positioning system (GPS) 5700 was used to survey all sampling locations. Horizontal accuracy of the monumented control points was accurate within 0.1 ft.

During sampling, if the planned location was offset due to surface or subsurface obstructions then the actual sampling location was resurveyed. The surveyed coordinates for all sampling locations are presented in Table 1.3-3.

1.3.2 Geophysical Survey

In August 2007, ARM Group, Inc., conducted geophysical surveys to locate the liquid acid waste line [AOC 02-004(f)] using ground-penetrating radar (GPR) and radio-frequency pipe locator techniques. The GPR survey was performed using a digital SIR-3000 Subsurface Interface Radar System, manufactured by Geophysical Survey Systems, Inc. Data from a 400 megahertz (MHz) transducer were acquired along transects oriented perpendicularly to the suspected waste line orientation.

A Radiodetection RD4000 multifrequency utility locating system was used to attempt to locate the selected buried utilities. The instrument consisted of a receiver and a remote transmitter that operated at frequencies ranging between 9.8 and 82 kilohertz (kHz). The transmitter induced a radio-frequency signal in the utility line by either inductive coupling or by direct hook-up. The pipe locator transmitter was physically connected to the test lead ports at the southeast end of the site. The signal diminished abruptly, approximately 200 ft from the test lead connections, which indicated a break in the line or the end of the line.

Geophysical results indicated that the remaining portion of the liquid acid waste line terminated approximately 200 ft west of its eastern endpoint (Plate 1).

1.3.3 Collection of Soil and Rock Samples

Surface and shallow subsurface samples were collected using a stainless-steel hand auger. A stainless-steel scoop and bowl were used to homogenize the samples, which were transferred to sterile sample collection jars or bags for transport to the Sample Management Office (SMO).

Subsurface samples were collected using a hollow-stem auger drill rig with a stainless-steel core barrel to retrieve material from the advancing borehole. The drill rig was required to collect samples from depths and from areas where the hand-auger method met refusal.

The methods used to collect samples are discussed in greater detail in Appendix B.

1.3.4 Field Screening

Each sample was field screened for VOCs using a MiniRae 2000 photoionization detector (PID) with an 11.7 electronvolt (eV) lamp (Table 1.3-4). A total of four PIDs, bench calibrated yearly by the vendor, were field calibrated daily by field personnel using 100 parts per million (ppm) isobutylene as a span calibration gas. The rated detection limit for the MiniRae 2000 is 0.2 ppm. Readings for ambient air PID readings and headspace vapor-screening results are included for each sample in Table 1.3-4. The action level for organic vapor field screening was 10 ppm. If field screening of the deepest planned sample at a location detected organic vapors in head space at or above 10 ppm greater than the ambient air reading, additional samples were collected at greater depths.

Radiological field screening of all samples was conducted by radiation control technicians from the Laboratory's Radiation Protection Group. The radiological instruments were calibrated daily. The target activity for radiation field screening was established at twice the daily site background activity for alpha and beta/gamma radiation. If activities greater than twice the daily site background activity were detected in the deepest planned sample at a location, additional samples would be collected at greater depths. Field radiation screening results are presented in Table 1.3-4.

1.3.5 Boring Abandonment

All boreholes greater than 20 ft deep were abandoned by filling the borehole with a bentonite/concrete mixture. The boreholes were pressure grouted from the bottom of the borehole to the surface in accordance with Section X.D of the Consent Order. Shallow holes (0–20 ft) were abandoned by placing bentonite chips in the borehole up to 2–3 ft from the ground surface. The chips were hydrated and then 2–3 ft of concrete or clean soil was placed on top. This approach for boring abandonment was discussed with and approved by NMED (Roberts 2007, 099144).

1.3.6 Exploratory Trenching and Pipe Removal

During the investigation activities at TA-26, three exploratory trenches were excavated to identify former structure locations. The first trench was located along the north side of the concrete barrier wall oriented east-west, the second trench was 25 ft north of the first trench, and the third trench was 50 ft north of the first trench. The trenches were 5 ft deep, 2 ft wide, and 50 ft long.

During the excavation of the first trench portions, two pipes were encountered. The pipes were believed to be part of the former septic system (SWMU 26-003) and the former sump system [SWMU 26-002(a)]. The septic tank pipe was a 3-in.-diameter cast-iron pipe with an approximate length of 30 ft. The sump system pipe was a 6-in.-diameter steel pipe with an approximate length of 20 ft. No other structures were encountered during the excavation of the second and third trenches. All soil and pipe removed during the excavation activities were disposed of as waste. Details of the characterization and disposal of waste are discussed in Appendix G.

1.3.7 Equipment Decontamination

Project personnel decontaminated all sampling equipment before each sample was collected to avoid cross-contamination of samples. Residual material adhering to equipment was removed using dry decontamination methods. All parts of the equipment were thoroughly cleaned with Fantastik and clean paper towels. A rinsate blank was collected from the sampling equipment at a frequency of 1 rinsate blank for every 10 regular samples and analyzed for TAL metals and perchlorate.

1.3.8 Investigation-Derived Waste Storage and Disposal

The investigation-derived waste (IDW) resulting from the 2007 investigation activities included drilling cuttings, excavated soil, returned sample material, personal protective equipment (PPE), and miscellaneous materials used during dry decontamination of sampling equipment (e.g., paper towels and nitrile gloves). The PPE and miscellaneous materials may have come into contact with contaminated environmental media. Trenching activities and the pipe removal also produced approximately 18 yd^3 (14 m^3) of soil requiring disposal. The IDW was characterized using direct sampling of the waste streams and acceptable knowledge.

All available waste documentation, including waste characterization strategy forms (WCSFs), WCSF amendments, and waste profile forms, is provided in Appendix G.

1.4 Regulatory Criteria

This section describes the criteria used for screening chemicals of potential concern (COPCs) and for evaluating potential risk to human receptors. Regulatory criteria identified in the Consent Order include cleanup standards, risk-based screening levels, and risk-based cleanup goals; they are established by medium.

1.4.1 Screening Levels

The human health risk-screening assessments follow guidance provided by EPA and NMED. The human health soil screening levels (SSLs) for chemicals are obtained from NMED guidance (2006, 092513). If screening levels are not available from NMED, EPA Region 6 (2006, 094321) SSLs or EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf) SSLs are used. The industrial SSLs are provided in the data summary tables provided with the main text of this report and in Appendix F.

1.4.2 Cleanup Standards

As specified in Section VIII.B.1 of the Consent Order, screening levels will be used as soil cleanup levels unless they are determined to be impracticable or unless values do not exist for the current and reasonably foreseeable future land use. The current land use is industrial, and screening assessments will compare COPC concentrations for each site with industrial SSLs.

Cleanup goals specified in Section VIII of the Consent Order are a target risk level of 10^{-5} for carcinogens and a hazard index (HI) of 1.0 for noncarcinogens. The DOE target level for total dose is 15 mrem/yr. Screening levels are based on these cleanup goals.

1.5 Review of Soil and Rock Sample Results

Soil and rock sample results were reviewed to identify COPCs that were investigated for each SWMU, AOC, and consolidated unit. The analytical results and identification of COPCs were used to evaluate the nature and extent of contamination.

Inorganic chemicals and radionuclides are identified as COPCs, based on comparisons of site data to applicable media-specific background data, if available (LANL 1998, 059730). Inorganic chemicals and radionuclides are identified as COPCs if sample concentrations exceed their background values (BVs) or fallout values (FVs) and also exceed the maximum medium-specific background concentrations for each analyte. Where BVs or FVs are not available, detected analytes are identified as COPCs. Fallout radionuclides are identified as COPCs if they are detected in subsurface samples, for which FVs do not apply (surface samples are defined as any samples collected from 0 to 0.5 ft below ground surface [bgs]). Organic chemicals are identified as COPCs on the basis of detection status.

The analytical results for all samples are reviewed in Appendix F, and complete data sets are provided in Appendix E. Appendix F also provides an overview of the process for identifying COPCs. Appendix D provides a discussion of analytical methods and data quality, including the assignment of data qualifiers and rejected results.

1.6 Investigation Report Overview

Section 1 of this investigation report describes the purpose of the investigation and the scope of activities.

Section 2 presents the history of TA-02 and each SWMU, AOC, or consolidated unit and summaries of historical releases and previous investigations. The site contamination sections for each site include summaries of investigation activities, analytical sample results, and the nature and extent of contamination.

Section 3 presents the history of TA-21 and each AOC or consolidated unit and summaries of historical releases and previous investigations. The site contamination sections for each site include summaries of investigation activities, analytical sample results and COPC identification, and the nature and extent of contamination.

Section 4 presents the history of TA-26 and each SWMU and summaries of historical releases and previous investigations. The site contamination section includes a summary of investigation activities, analytical sample results and COPC identification, and the nature and extent of contamination.

Section 5 presents the conclusions for the investigation of all the sites, including a summary of the nature and extent of contamination. Section 6 presents recommendations for the sites, and Section 7 provides a schedule for the recommended activities. Section 8 contains a list of references cited in this document and a list of map data sources used for figures.

The appendixes include acronyms and abbreviations, glossary, metric conversions, and data qualifier tables (Appendix A); field methods and deviations (Appendix B); borehole logs (Appendix C [on CD included with this document]); analytical program and data quality (Appendix D); field and analytical records (Appendix E [on DVDs included with this document]); data review (Appendix F); and IDW storage and disposal documentation (Appendix G).

2.0 TA-02 BACKGROUND AND FIELD INVESTIGATION RESULTS

2.1 Background of TA-02

TA-02 was used to house a series of research reactors (Bunker 1985, 036231) from 1943 to 2003. The main reactor building, building 02-001, was constructed in 1943. It housed five separate nuclear reactors: three iterations of water-boiler-type reactors located on the east side of the building, one plutonium-fueled reactor (the Clementine reactor) followed by an enriched uranium reactor, and the Omega West Reactor (OWR). A number of facilities were constructed over the years to support the TA-02 research activities. The facility was active from 1943 to 1993 (LANL 2003, 082646, pp. 1-2).

TA-02 began operations in 1943 with the Water Boiler Reactor (WBR), a homogeneous liquid-fueled reactor fueled by an enriched uranyl-salt compound. This reactor design was modified until 1974, when it was placed in safe-shutdown mode. The WBR and associated bioshield were dismantled in 1989 (Montoya 1991, 006997, pp. 1-2).

At peak operation, the WBR generated approximately 0.25 liters per minute (L/min) excess gas that contained some fission products. These gases were managed through the WBR gaseous effluent vent line system (LANL 1993, 015314, p. E-8). The gaseous effluent vent system associated with the WBR was decommissioned and disposed of in 1985–1986 (Elder and Knoell 1986, 006670, p. 2).

A fourth reactor, Clementine, was a 25-kW fast-neutron research reactor that used a plutonium fuel source surrounded by mercury coolant. The reactor was self-contained and operated from 1946 to 1953 (LANL 1993, 015314, p. E-8). Clementine was dismantled in 1954 (LANL 2003, 082646, p. 2).

The fifth and final reactor at TA-02 was the OWR. It was built on top of the former Clementine site in the western third of building 02-001. The OWR was an 8-MW water-cooled tank-type research reactor fueled by enriched solid uranium. The OWR was put online in 1956 and operated until 1993. The OWR experienced a cooling system water leak in January 1993. The reactor was put on standby status in 1993 and remained inactive until it was decommissioned in 2003 (LANL 2003, 082646, p. 2).

All TA-02 facilities remaining on-site underwent D&D in September 2003. The site was cleared, the material was disposed of in an approved off-site disposal facility (LANL 2003, 082646, p. 1), and the land was returned to its original contour and reseeded (LANL 2003, 082646, pp. 1-2). The former reactor site is fenced and access is controlled by the Laboratory. Plate 1 presents the location of current and former structures and present-day site features at TA-02. The various structures are discussed in the following sections.

Various remedial actions, including soil removal and D&D, were conducted at TA-02 in the bottom of Los Alamos Canyon after the Cerro Grande fire. These actions were taken to reduce the risk of contaminants dispersing from post-fire floods. Approximately 54 yd^3 of soil contaminated with cesium-137 was removed in 2000, following an extensive field survey for gross gamma radiation (LANL 2001, 070352). The OWR and associated structures underwent D&D in 2002 and 2003 (LANL 2003, 082646). After all structures at TA-02 were removed, field radiological surveys were conducted to confirm that surface contamination release limits were not exceeded (LANL 2003, 082646, pp. 18-19).

2.1.1 Surface Conditions

2.1.1.1 Topography and Surface Drainage

TA-02 is located in the western end of the Middle Los Alamos Canyon Aggregate Area (Figure 2.1-1). The canyon is approximately 1350 ft wide at the top and varies in depth from 350 to 360 ft deep in the vicinity of TA-02. The bottom of the canyon is relatively flat and approximately 600 ft wide. A small stream (Los Alamos Creek) passes through the bottom of the canyon. The stream is intermittent near TA-02, with variable flow. The sites under investigation are located mostly on a relatively flat floodplain surface on the north side of Los Alamos Creek. The northernmost sites are located near the north wall of Los Alamos Canyon, where the slope steepens adjacent to the near-vertical cliffs. Surface runoff in the area of the sites under investigation is primarily by sheet flow directly to the main channel (Los Alamos Creek).

2.1.1.2 Features and Structures

Two concrete surface-water flumes (approximately 50 ft and 80 ft long), their associated catch basins (structures 02-0027 and 02-0036), the main paved road, two bridges, and Los Alamos Creek's northern retaining wall adjacent to the former facility are the only remaining surface structures at the site. The site is accessible by a paved road from the west but is protected by a locked gate. An unpaved road extends from the perimeter fence eastward through Los Alamos Canyon and is also protected by a locked gate.

2.1.2 Subsurface Conditions

No subsurface man-made structures are known to exist at TA-02. Some portions of the few remaining aboveground structures may extend a few feet belowgrade.

2.1.2.1 Stratigraphy

Bandelier Tuff

The Bandelier Tuff under the Middle Los Alamos Canyon Aggregate Area consists of the lower Otowi and upper Tshirege Members, which are stratigraphically separated in many places by the tephras and volcaniclastic sediments of the Cerro Toledo interval. The Bandelier Tuff was emplaced during cataclysmic eruptions of the Valles Caldera between 1.61 and 1.22 million years ago. The tuff is composed of pumice, minor rock fragments, and crystals supported in an ashy matrix. It is a prominent cliff-forming unit because of its generally strong consolidation. Basal units, the Tsankawi Pumice Bed and the Guaje Pumice Bed, are important in terms of their potential to store, transmit, and discharge perched water in Los Alamos Canyon. The Bandelier Tuff is the most prominent rock type on the Pajarito Plateau (Broxton and Reneau 1995, 049726).

Certain minerals present in Bandelier Tuff are important in terms of sorption of chemical species from water. Among them are alkali feldspar and a combination of three silica polymorphs (i.e., quartz, cristobalite, and tridymite). These minerals are found throughout the Bandelier Tuff, and their abundance throughout the tuff can have a significant effect on the retardation of several constituents in the Middle Los Alamos Canyon Aggregate Area. Less important in terms of transport are organic materials, which can react with certain constituents to form relatively mobile chemicals. The organic content of geologic materials on the Pajarito Plateau mesas is typically less than 1 wt%. However, fractures can contain higher organic concentrations than the tuff matrix.

In addition, clay minerals are found in abundance in fractures and interbeds in the Bandelier Tuff. The primary clay minerals are smectites, with lesser amounts of kaolinite. The clay minerals have high sorptive capacity for many of the Middle Los Alamos Canyon Aggregate Area contaminant inventory constituents. Hematite (i.e., iron oxide) coatings are also found but with less frequency than clay coatings. Hematite has a very large surface area for binding certain metals and is therefore also important to transport in fractures.

The rock unit generally exposed at or near the surface at TA-02 is the Otowi Member (media code Qbo) of the Bandelier Tuff. The Otowi Member consists of moderately consolidated (indurated), porous, and nonwelded vitric tuff (ignimbrite) that forms gentle, colluvium-covered slopes along the base of canyon walls. The Otowi ignimbrites contain light gray-to-orange pumice, supported in a white-to-tan ash matrix (Broxton et al. 1995, 050121; Broxton et al. 1995, 050119; Goff 1995, 049682). The ash matrix consists of glass shards, broken pumice and crystal fragments, and fragments of perlite.

The Otowi Member at TA-02 is typically overlain by Quaternary alluvium (QAL) and surface soil (ALLH). The alluvium consists of boulders and cobbles of reworked tuff and igneous rocks. In some areas, recent alluvial sediment (SED) is present in drainage channels.

Other stratigraphic units that encountered less frequently at TA-02 include units 2 and 3 of the Tshirege Member of the Bandelier Tuff (Qbt 2 and Qbt 3) and the Cerro Toledo (Qct) interval between the Tshirege Member and the Otowi Member.

The stratigraphy of the Middle Los Alamos Canyon Aggregate Area is described in detail in the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416) and is summarized in Figure 2.1-2. Additional information on the geologic setting of the Pajarito Plateau can be found in the Environmental ER Project Installation Work Plan (LANL 2000, 066802) and the hydrogeologic work plan (LANL 1998, 059599).

2.1.2.2 Soil

Soil in the canyon bottoms of the Pajarito Plateau is generally derived from the Otowi or Tshirege Member of the Bandelier Tuff (Nyhan et al. 1978, 005702). The surface layers are generally a pale brown, stony or gravelly sandy loam a few inches thick. The substratum is commonly about 60 in. thick and generally consists of a very pale brown or light gray, gravelly loamy sand or sand. The soil has moderate to very high permeability and low available water capacities. The soil is generally underlain by Quaternary alluvium but may also be underlain by tuff.

The soil on the slopes between the mesa tops and canyon floors is mostly steep rock outcrops consisting of approximately 90% bedrock outcrop and patches of shallow, weakly developed colluvial (formed of parent material emplaced by the action of gravity) soil. South-facing canyon walls are steep and usually have little or no soil material or vegetation. In contrast, the north-facing walls generally have areas of very shallow dark-colored soil and are typically more heavily vegetated (Nyhan et al. 1978, 005702).

2.1.2.3 Seismic Features

Three geologic faults are considered significant with respect to seismic potential across the Laboratory complex: the Pajarito, the Guaje Mountain, and the Rendija Canyon faults. The Pajarito fault system has experienced recent movement and historical seismicity (Gardner and House 1987, 006682; Gardner et al. 1990, 048813).

The Pajarito fault is located near the head of Los Alamos Canyon. The Rendija Canyon fault is located 3 mi east of the Pajarito fault, and the Guaje Mountain fault is located about 1.2 mi east of the Rendija Canyon fault. The Rendija Canyon fault crosses Los Alamos Canyon near TA-41. The Guaje Mountain fault parallels the Rendija Canyon fault and is projected to cross Los Alamos Canyon near TA-02, although no clear offset of the Tshirege Member is apparent in the TA-02 area (Gardner and House 1987, 006682).

Geologic evidence indicates that the Pajarito fault has ruptured within the past 1.2 million years, perhaps as recently as 50,000 yr ago. Field investigations show that the Rendija Canyon fault has ruptured within the past 10,000 yr and that the Guaje Mountain fault has ruptured within the past 6000 yr. The recurrence interval of seismic events along the Rendija Canyon and Guaje Mountain faults is estimated to be between 10,000 and 150,000 yr (Gardner et al. 1999, 063492).

2.1.3 Groundwater Conditions

Groundwater occurs across the Laboratory as (1) water in shallow alluvium in some of the larger canyons (e.g., Los Alamos Canyon), (2) intermediate perched groundwater (a perched groundwater body lies above a less permeable layer and is separated from the underlying aquifer by an unsaturated zone), and (3) the regional aquifer of the Los Alamos area. Numerous wells have been installed over the past several decades at the Laboratory and in the surrounding area to investigate the presence of groundwater in these zones and to monitor groundwater quality. Groundwater monitoring wells in the Middle Los Alamos Canyon Aggregate Area are shown in Figure 2.1-3.

The hydrogeologic conceptual model (LANL 2004, 087390, Section 7.2) indicates that under natural conditions, relatively small volumes of water infiltrate mesa tops because of low rainfall, high evaporation, and efficient water use by vegetation. The hydrogeologic work plan (LANL 1998, 059599) details the implementation of extensive groundwater characterization across the Pajarito Plateau within an area potentially affected by past and present Laboratory operations, such as in the Middle Los Alamos Canyon

Aggregate Area. Groundwater monitoring is conducted for the Middle Los Alamos Canyon Aggregate Area as described in the interim facility-wide groundwater monitoring plan (LANL 2006, 094043).

Alluvial Groundwater

Ephemeral runoff in some canyons infiltrates through the surface alluvium until downward movement is impeded by less permeable tuff, resulting in the accumulation of shallow alluvial groundwater. Depletion by evapotranspiration limits the horizontal and vertical extent of the alluvial water (Purtymun et al. 1977, 011846). The limited saturated thickness and extent of the alluvial groundwater preclude its use as a viable source of water for municipal and industrial needs. Lateral flow of the alluvial perched groundwater is in an easterly, downcanyon direction (Purtymun et al. 1977, 011846).

Alluvial aquifer wells are located between the Los Alamos Canyon reservoir and the confluence with Delta Prime (DP) Canyon and have been used to monitor water levels in alluvium in Los Alamos and Pueblo Canyons (LANL 2004, 087390) (Figure 2.1-3). The observations reported indicate that groundwater levels generally rise rapidly in response to summer and fall precipitation events. Alluvial groundwater rises immediately and generally correlates well with stream flow at gauging stations, indicating that recharge from the streambed to the alluvial aquifer occurs during precipitation events. Groundwater levels decline following the recharge events; however, the rates are variable and are thought to be associated with variations in aquifer hydraulic conductivity. These observations were confirmed during 2007 investigation activities, when saturated zones were encountered during drilling in the alluvium at some locations at TA-02 following periods of rain but were absent at the same or nearby locations after 2 to 3 wk of dry weather. It was also observed that the alluvial groundwater did not infiltrate into the underlying tuff.

In middle and upper Los Alamos Canyon, the saturated thickness in the alluvium varies seasonally from the winter months to the spring and summer months when recharge is the greatest (LANL 1994, 052951.71).

Intermediate Perched Groundwater

Intermediate perched groundwater forms mainly at horizons where stratigraphic changes occur, such as at paleosol horizons of clay or caliche found in basalt and volcanic rock sequences. The Cerro Toledo interval, Guaje Pumice Bed, and Puye Formation are local examples.

Intermediate perched zones have been identified in the Middle Los Alamos Canyon Aggregate Area between TA-02 and the confluence with DP Canyon. The upper intermediate perched zone occurs within the Guaje Pumice Bed. The saturated thickness of this zone decreases from west to east, from about 22 to 5 ft (Broxton et al. 1995, 050119; Longmire et al. 1996, 054168).

A deeper intermediate perched zone has been identified in the Puye Formation from approximately 253 to 317 ft bgs on DP Mesa. This corresponds to a depth of approximately 20 to 70 ft bgs at TA-02, but it is not clear whether the perched zone extends under the SWMUs and AOCs in this investigation. The infiltration pathways, continuity, and chemical quality of groundwater in these known intermediate perched zones are not well characterized (Purtymun and Stoker 1988, 006879).

Regional Groundwater

The surface of the regional aquifer extends from beneath the Pajarito Plateau eastward to the Rio Grande. The locations of regional wells in the Middle Los Alamos Canyon Aggregate Area are shown in Figure 2.1-3. The general direction of groundwater flow in the regional aquifer is to the east in the vicinity of Los Alamos Canyon (LANL 1998, 059599) (Figure 2.1-4). At TA-02, the regional aquifer is at a depth of approximately 950 ft bgs.

2.1.4 Surface Water Conditions

Los Alamos Creek, an intermittent stream, flows from west to east through TA-02 in proximity to the sites under investigation. There are no other substantial drainage channels at TA-02, and surface runoff from precipitation or snowmelt is most likely to occur as sheet flow that terminates in a short distance at Los Alamos Creek (the maximum distance from the canyon wall to the creek is approximately 200–300 ft). There is no standing surface water at TA-02.

2.2 AOC 02-003(a), Soil Contamination (Stack-Gas Valve House and Gaseous Effluent Vent Lines)

AOC 02-003(a) was the site of the stack-gas valve house (structure 02-019) and associated stainless-steel gaseous effluent vent lines (lines 117 and 118) (Plate 1), as shown on engineering drawing C-1718 (LASL 1947, 089677). This system was associated with the WBR, a homogeneous liquid-fueled reactor fueled by an enriched uranyl-salt compound.

2.2.1 Historical Site Use

The stack-gas valve house and effluent vent lines system were installed in 1944 and received off-gas from the WBR. The off-gas contained gaseous fission products, including cesium-137, strontium-90, technetium-99, and iodine-131 (LANL 1993, 015314, p. 7.4-1).

The stack-gas valve house was primarily aboveground and was constructed of reinforced concrete, 11 ft × 9 ft × 10 ft high, with 18-in.-thick walls (Elder and Knoell 1986, 006670, p. 4). From 1944 to 1948, gaseous effluent entered the stack-gas valve house from line 117 and was directed via line 118 to the southeast. Line 118 was used as a temporary gas vent until July 1948 when the condensate trap and line 119 [AOC 02-003(b)] became operational. Line 118 was left in place from 1948 to its removal in 1985 (Elder and Knoell 1986, 006670, pp. 8, 29, 43). Line 117 and the stack-gas valve house remained in use until 1974 when they became inactive and were removed and disposed of during D&D efforts in 1985 (Elder and Knoell 1986, 006670, pp. 22-29, p. 43).

2.2.2 Historical Releases

At peak operation, the WBR generated approximately 0.25 L/min excess gas that contained some fission products (cesium-137, strontium-90, technicium-99, and iodine-131). These gases were managed through the WBR gaseous effluent vent line system (lines 117 and 118) from 1944 to 1948 (LANL 1993, 015314, p. E-8). The only known releases from this system were gaseous releases to the atmosphere.

2.2.3 Relationship to Other SWMUs and AOCs

The stack-gas valve house and effluent vent lines were connected to the WBR in the reactor building (02-001), AOC 02-004(a). Line 118 extended southeast from the stack-gas valve house to the OWR gaseous effluent vent line, also part of AOC 02-004(a). Line 117 passed from the reactor building to the stack-gas valve house, crossing an area of soil contamination [AOC 02-009(d)].

2.2.4 Summary of Previous Investigations

1985 WBR Decommissioning Project, Phase I

Approximately 230 ft of line 117 was removed between the reactor building (02-001) and the stack-gas valve house (structure 02-019) at a depth of 6–7 ft bgs (Plate 1). Screening-level data from soil samples

collected in the line 117 pipe trench indicated no radioactivity above predetermined cleanup levels (Elder and Knoell 1986, 006670, p. 26). The stack-gas valve house was removed. Screening-level data from soil samples collected under the floor of the stack-gas valve house indicated no activity above predetermined cleanup levels (Elder and Knoell 1986, 006670, p. 22).

Line 118 was removed without excavation. It was pulled from its shallow depth without difficulty (Elder and Knoell 1986, 006670, p. 29). All removed piping material was transported to TA-54 (Elder and Knoell 1986, 006670, p. 16).

1995 Investigation Activities

Samples were collected from locations around the stack-gas valve house (Plate 2). Only one location (02-01042) produced decision-level data. Table 1.3-2 lists the samples collected and analyses requested.

2000 Post–Cerro Grande Fire Recovery Work

Two boreholes (locations 02-01241 and 02-01242) were drilled and sampled. One borehole was located in the center of the footprint of the stack-gas valve house, and the other borehole was west of the stack-gas valve house location. Field-instrument screening of recovered cores indicated no elevated activity levels (LANL 2001, 070352, p. 8). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.2.5 Site Contamination

2.2.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-003(a), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Twenty-two samples (7 soil, 10 alluvium, and 5 tuff), plus 3 field duplicates, were collected in 2007 from seven locations at AOC 02-003(a). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 36 samples (16 soil/fill, 10 alluvium, and 10 tuff), plus 3 field duplicates, collected in 1995, 2000, and 2007 from 10 locations at AOC 02-003(a), with a maximum sample depth of 21.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.2.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-003(a). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.2.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had detection limits (DLs) above their BVs, or were detected but have no BV in one or more media at AOC 02-003(a) (Figure F-2.1-1). Table 2.2-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-003(a) is presented in Appendix F, section F-2.1.1. The inorganic chemicals identified as COPCs for AOC 02-003(a) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-003(a) (Figure F-2.1-2). Table 2.2-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-003(a) is presented in Appendix F, section F-2.1.3. The organic chemicals identified as COPCs for AOC 02-003(a) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; 1,4-dichlorobenzene; fluoranthene; indeno(1,2,3-cd)pyrene; methylene chloride; naphthalene; phenanthrene; pyrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-003(a) (Figure F-2.1-3). Table 2.2-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-003(a) is presented in Appendix F, section F-2.1.4. The radionuclides identified as COPCs for AOC 02-003(a) are americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium.

2.2.5.4 Nature and Extent of Soil and Rock Contamination

Ten locations were sampled at AOC 02-003(a). The vertical extent of contamination is not defined for metals, perchlorate, and radionuclides (cesium-137, plutonium-239/240, strontium-90, and tritium). Vertical extent is defined for nitrate, SVOCs, VOCs, PCBs, and americium-241 (AppendixF).

The lateral extent of contamination for AOC 02-003(a) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.2.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-003(a). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the

screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.3 AOC 02-003(b), Soil Contamination (Condensate Trap and Gaseous Effluent Vent Line)

AOC 02-003(b) consisted of the condensate trap (structure 02-048) and associated stainless-steel line (line 119). The WBR off-gas system consisted of the stack-gas valve house, condensate trap, mesa-top vent stack located above TA-02 at TA-61, and associated stainless-steel lines (Plate 1).

The condensate trap was a concrete manhole superstructure and a small-diameter standpipe. It was located at the lowest point of line 119 between the stack-gas valve house [structure 02-019, AOC 02-003(a)] and the delay tanks [structure 02-131, AOC 02-003(c)], as shown in engineering drawing C-1718 (LASL 1947, 089677; Elder and Knoell 1986, 006670, p. 29).

Line 119 consisted of an approximately 78-ft-long east-west trending pipe section that ran from the stack-gas valve house (structure 02-019) to the condensate trap and a 205-ft-long north-south trending section that ran from the condensate trap to the delay tanks.

Line 119 continued from the delay tanks to the junction with the main OWR gaseous effluent vent line and up to the mesa-top stack (structure 02-009) and French drain [SWMU 02-006(a)] located at TA-61 (Elder and Knoell 1986, 006670, pp. 6, 8). The upper portion of the gaseous effluent vent line (line 119) from the delay tanks to the mesa-top stack is addressed as AOC 02-003(d).

2.3.1 Historical Site Use

The WBR off-gas system was installed in 1948. The off-gas contained gaseous fission products, including cesium-137, strontium-90, technetium-99, and iodine-131 (LANL 1993, 015314, p. 7.4-1).

The condensate trap and line 119 from the stack-gas valve house (structure 02-019) to the delay tanks remained in use through 1974. The units were inactive from 1974 to 1985 and were removed and disposed of during D&D efforts in 1985 (Elder and Knoell 1986, 006670, pp. 22-29, p. 43).

2.3.2 Historical Releases

There were no specific documented releases from AOC 02-003(b), but routine operational releases of gaseous fission products (including cesium-137, strontium-90, technetium-99, and iodine-131) occurred between 1948 and 1974 (LANL 1993, 015314, p. 7.4-1). Iodine-131 has a half-life of 8 d and is not expected to be present at the site.

2.3.3 Relationship to Other SWMUs and AOCs

The gaseous effluent line (line 119) was connected to the stack-gas valve house, AOC 02-003(a); the delay tanks, AOC 02-003(c); and to the mesa-top stack and French drain, SWMU 02-006(a). The condensate trap was located within the area associated with the leach field of SWMU 02-009(c), part of Consolidate Unit 02-007-00.

2.3.4 Summary of Previous Investigations

1985 WBR Decommissioning Project, Phase I

Approximately 205 ft of the 3-in.-diameter stainless-steel gaseous effluent vent line was removed from depths, ranging from 2 to 9 ft bgs (Elder and Knoell 1986, 006670, p. 29). Near the condensate trap

(structure 02-048), the depth of the line was approximately 9 ft bgs (Elder and Knoell 1986, 006670, p. 29). Groundwater seepage was pumped out of the excavation site to allow the line to be cut and pulled (Elder and Knoell 1986, 006670, p. 29). Field-screening data from a soil sample collected under the pipe indicated no radioactivity above predetermined cleanup goals (Elder and Knoell 1986, 006670, p. 29). The manhole that served as the superstructure for the condensate trap was removed. Field screening did not detect radioactivity inside the manhole (Elder and Knoell 1986, 006670, pp. 29-30).

During removal of the condensate trap, remnants of a leach field were discovered. The leach field consisted of two parallel 6-in.-diameter vitrified clay pipe (VCP) lengths running east from the condensate trap area, parallel to Los Alamos Creek. The pipes were laid in a sand and crushed-rock bed, approximately 2 ft below the overflow drainpipe from the nearby septic tank (structure 02-043) (Elder and Knoell 1986, 006670, p. 31). The leach field was identified as SWMU 02-009(c), and details of its 1985 D&D are provided under SWMU 02-009(c).

The base of the condensate trap and 10 ft of piping formerly connected to the gaseous effluent vent line were removed (Elder and Knoell 1986, 006670, p. 33). Field screening detected elevated radionuclide activity in the condensate trap (Elder and Knoell 1986, 006670, p. 32). Soil with radioactivity greater than predetermined cleanup levels was left in place at 5 ft bgs (Elder and Knoell 1986, 006670, p. 35). Soil was removed laterally until no radioactivity greater than predetermined cleanup levels was found and vertically until saturated conditions were reached. Soil in the area around the condensate trap was removed down to groundwater level and was backfilled with clean crushed tuff. Soil from the adjacent areas with elevated radioactivity was excavated 5 to 7 ft bgs and backfilled with at least 5 ft of clean crushed tuff (Elder and Knoell 1986, 006670, pp. 30-36). All excavated contaminated material was transported to TA-54 (Elder and Knoell 1986, 006670, p. 16).

1995 Investigation Activities

Soil samples were collected from one location (02-01104) near the condensate trap (structure 02-048) (Plate 2). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.3.5 Site Contamination

2.3.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-003(b), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Thirteen samples (four soil, five alluvium, one sediment, and three tuff), plus one field duplicate, were collected in 2007 from five locations at AOC 02-003(b). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 16 samples (4 soil, 5 alluvium, 1 sediment, and 6 tuff), plus 1 field duplicate, collected in 1995 and 2007 from six locations at AOC 02-003(b), with a maximum sample depth of 16.7 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.3.5.2 Soil and Rock Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-003(b). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.3.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-003(b) (Figure F-2.1-1). Table 2.3-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-003(b) is presented in Appendix F, section F-2.2.1. The inorganic chemicals identified as COPCs for AOC 02-003(b) are aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, mercury, nickel, nitrate, selenium, and vanadium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-003(b) (Figure F-2.1-2). Table 2.3-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-003(b) is presented in Appendix F, section F-2.2.3. The organic chemicals identified as COPCs for AOC 02-003(b) are anthracene; Aroclor-1248; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; n-butylbenzene; chrysene; di-n-butylphthalate; fluoranthene; fluorene; 4-isopropyltoluene; 2-methylnaphthalene; pyrene; and 1,2,4-trimethylbenzene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-003(b) (Figure F-2.1-3). Table 2.3-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-003(b) is presented in Appendix F, section F-2.2.4. The radionuclides identified as COPCs for AOC 02-003(b) are cesium-137, plutonium-239/240, strontium-90, and tritium.

2.3.5.4 Nature and Extent of Soil and Rock Contamination

Six locations were sampled at AOC 02-003(b). The vertical extent of contamination is not defined for metals and radionuclides (plutonium-239/240 and tritium). Vertical extent is defined for nitrate, perchlorate, PCBs, SVOCs, and VOCs (Appendix F). The lateral extent of contamination for AOC 02-003(b) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.3.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-003(b). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.4 AOC 02-003(c), Soil Contamination (Delay System)

AOC 02-003(c) consisted of two parallel underground stainless-steel gaseous effluent delay tanks (1 ft diameter by 20 ft long each and buried 4 ft deep). The tanks were part of the gaseous effluent vent line system associated with the WBR (Plate 1).

The 1990 SWMU report (LANL 1990, 007511) describes the tanks as being “in series”; however, excavation of the tanks during the 1985 D&D indicated that they were parallel and oriented east to west (Elder and Knoell 1986, 006670, p. 8).

2.4.1 Historical Site Use

The gaseous effluent vent system was in place by 1951 and received off-gas from the WBR. The off-gas contained gaseous fission products, including cesium-137, strontium-90, technetium-99, and iodine-131 (LANL 1993, 015314, p. 7.4-1). It is unclear when the delay tanks were installed. The as-built drawing of the condensate trap and line 119 (LASL 1947, 089677) dated 1947 (the original as-built drawing) does not show the delay tank system. The tanks appear to have been installed in 1951 when other modifications to the gaseous effluent vent line system were made (Montoya 1991, 006997, p. 2); however, no installation record is available. The delay tanks remained in use until 1974 and were inactive from 1974 to 1985. The tanks were removed and disposed of during D&D efforts in 1985 (Elder and Knoell 1986, 006670, pp. 22-29, p. 43).

2.4.2 Historical Releases

There were no specific documented releases from AOC 02-003(c), but routine operational releases of gaseous fission products (including cesium-137, strontium-90, technetium-99, and iodine-131) occurred between 1948 and 1974. Iodine-131 has a half-life of 8 d and is not expected to be present at the site.

2.4.3 Relationship to Other SWMUs and AOCs

The delay tanks were connected to the gaseous effluent vent line 119, part of AOC 02-003(b). The gaseous effluent line (line 119) was connected to the stack-gas valve house, AOC 02-003(a) and to the mesa-top stack and French drain, SWMU 02-006(a).

2.4.4 Summary of Previous Investigations

1985 WBR Decommissioning Project, Phase I

The delay tanks were excavated from approximately 4 ft bgs. Their connection to the OWR vent line was plugged with a threaded cap. Field-screening data from beneath the tanks indicated no radioactivity above predetermined cleanup goals (Elder and Knoell 1986, 006670, p. 29).

1995 Investigation Activities

Samples were collected at three locations (02-01043, 02-01144, and 02-01145) around the delay tanks (Plate 2). Table 1.3-2 lists the samples collected and the analyses requested for each.

2000 Post–Cerro Grande Fire Recovery Work

Samples were collected from two boreholes (locations 02-01237 and 02-01238) near the delay tanks (Plate 2). Field-screening data from recovered cores indicated no elevated radionuclide levels (LANL 2001, 070352, p. 7). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.4.5 Site Contamination

2.4.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-003(c), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Thirty-three samples (10 soil, 14 alluvium, 1 sediment, and 8 tuff), plus 4 field duplicates, were collected in 2007 from 10 locations at AOC 02-003(c). Data from the samples collected in 2007 were combined with data from previous investigations. The final data set includes 41 samples (12 soil, 14 alluvium, 1 sediment, and 14 tuff), plus 4 field duplicates, collected in 1995, 2000, and 2007 from 15 locations at AOC 02-003(c), with a maximum sample depth of 24.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.4.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-003(c). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.4.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-003(c) (Figure F-2.3-1). Table 2.4-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-003(c) is presented in Appendix F, section F-2.3.1. The inorganic chemicals identified as COPCs for AOC 02-003(c) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, thallium, and vanadium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-003(c) (Figure F-2.3-2). Table 2.4-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-003(c) is presented in Appendix F, section F-2.3.3. The organic chemicals identified as COPCs for AOC 02-003(c) are acenaphthene; acetone; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chloroform; chrysene; fluoranthene; indeno(1,2,3-cd)pyrene; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-003(c) (Figure F-2.3-3). Table 2.4-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-003(c) is presented in Appendix F, section F-2.3.4. The radionuclides identified as COPCs for AOC 02-003(c) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-235, and uranium-238.

2.4.5.4 Nature and Extent of Soil and Rock Contamination

Fifteen locations were sampled at AOC 02-003(c). The vertical extent of contamination is not defined for metals, SVOCs, and radionuclides (americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235). Vertical extent is defined for perchlorate, PCBs, VOCs, and cobalt-60. The lateral extent of contamination for AOC 02-003(c) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.4.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-003(c). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.5 AOC 02-003(d), Soil Contamination (Garden Hose Discharge Area and Gaseous Effluent Vent Line [Line 119] from Delay Tanks and Mesa-Top Stack)

AOC 02-003(d) consists of two distinct areas. One is the potential soil contamination associated with a temporary gaseous effluent vent, the garden hose that reportedly served as a temporary vent line for the WBR during initial operations (LANL 1993, 015314, p. 7.4-3). This area is located approximately 120 ft northeast of the former OWR building (Plate 1).

The second and primary area of AOC 02-003(d) is the 1200-ft gaseous effluent vent line from the delay tanks (structure 02-131) to the mesa-top stack [structure 02-009, SWMU 02-006(a)] (Plate 1).

2.5.1 Historical Site Use

The garden hose discharge was reportedly used from 1943 to when the stack on the mesa top (structure 02-009, located at TA-61) was built in 1948 (LANL 1993, 015314, 7.4-3). The gaseous effluent vent line received gaseous effluent from the WBR from 1948 to 1974 and from the OWR from 1953 to 1993 (Elder and Knoell 1986, 006670, p. 8).

The mesa-top stack remained in use from 1948 to 1993. The stack received waste from the WBR only from 1948 to 1956, when the OWR was brought online. The stack received waste from both the WBR and the OWR from 1956 to 1974. The stack received effluent only from the OWR from 1974 to 1993. The stack became inactive in 1993 when the OWR was deactivated, and the stack was removed and disposed of in November 2002 (LANL 2003, 090089, p. 2). Line 119 was removed in April 2003 (LANL 2003, 082646, p. 2).

2.5.2 Historical Releases

There were no specific documented releases from AOC 02-003(d). The garden hose presumably discharged routine operational effluent from 1943 to 1948. The gaseous effluent vent line discharged from 1948 to 1993.

Off-gases from the WBR contained low levels of fission products, including cesium-137, iodine-131, strontium-90, and technetium-99 (LANL 1993, 015314, p. 7.4-1). The primary gaseous contaminant discharged from operation of the OWR was argon-41; no fission products were discharged from the OWR (LANL 1993, 015314, pp. 3-10).

2.5.3 Relationship to Other SWMUs and AOCs

The gaseous effluent line (line 119) was connected to the stack-gas valve house, AOC 02-003(a); the delay tanks, AOC 02-003(c); and to the mesa-top stack and French drain, SWMU 02-006(a). The condensate trap was located within the area associated with the leach field of SWMU 02-009(c), part of Consolidated Unit 02-007-00. The line passed through a soil contamination area associated with SWMU 02-009(a), part of Consolidated Unit 02-007-00.

2.5.4 Summary of Previous Investigations

1995 Investigation Activities

Soil samples were collected from locations around the garden hose discharge area. Supporting quality assurance/quality control (QA/QC) information is not available for these samples, so the sample results are not included in this report.

2000 Post–Cerro Grande Fire Recovery Work

Six samples were collected from three locations (02-01254 through 02-01256) in the garden hose discharge area near previous screening locations (LANL 2001, 070352, p. 13) (Plate 2). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.5.5 Site Contamination

2.5.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-003(d), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Fifty-seven samples (31 soil, 16 alluvium, and 10 tuff), plus 5 field duplicates, were collected in 2007 from 16 locations at AOC 02-003(d). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 63 samples (37 soil/fill, 16 alluvium, 10 tuff), plus 5 field duplicates, collected in 2000 and 2007 from 19 locations at AOC 02-003(d), with a maximum sample depth of 5.7 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.5.5.2 Soil and Rock Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-003(d). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.5.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-003(d) (Figure F-2.4-1). Table 2.5-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-003(d) is presented in Appendix F, section F-2.4.1. The inorganic chemicals identified as COPCs for AOC 02-003(d) are aluminum, arsenic, barium, beryllium, cadmium, chromium, copper, iron, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, thallium, uranium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-003(d) (Figure F-2.4-2). Table 2.5-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-003(d) is presented in Appendix F, section F-2.4.3. The organic chemicals identified as COPCs for AOC 02-003(d) are Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; fluoranthene; phenanthrene; pyrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-003(d) (Figure F-2.4-3). Table 2.5-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-003(d) is presented in Appendix F, section F-2.4.4. The radionuclides identified as COPCs for AOC 02-003(d) are americium-241, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, uranium-235, and uranium-238.

2.5.5.4 Nature and Extent of Soil and Rock Contamination

Nineteen locations were sampled at AOC 02-003(d). The vertical extent of contamination is not defined for metals, nitrate, perchlorate, SVOCs, and radionuclides (cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235). Extent is defined for VOCs and uranium-234 (Appendix F). The lateral extent of contamination is not defined for some COPCs on the north, east, and west sides of AOC 02-003(d). Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.5.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-003(d). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.6 AOC 02-003(e), Soil Contamination (WBR Holding Tank)

AOC 02-003(e) is the former location of an 800-L stainless-steel holding tank (structure 02-062), installed in approximately 1944, and was associated with operation of the WBR (Plate 1). The holding tank was adjacent to the stack-gas valve house (structure 02-019) and was designed to collect WBR cooling water in the event of a cooling coil breach.

2.6.1 Historical Site Use

The WBR holding tank was installed in approximately 1944 and may have been used until 1974, when the WBR was placed in safe-shutdown mode. The holding tank was removed and disposed of during D&D activities in 1985. During D&D, the tank reportedly showed no sign of having been used. However, reports of a “surge tank” running over indicate an original tank may have been used and replaced during its active life (Elder and Knoell 1986, 006670, p. 2; DOE 1987, 008663).

2.6.2 Historical Releases

There were no documented releases from AOC 02-003(e).

2.6.3 Relationship to Other SWMUs and AOCs

The WBR holding tank was located adjacent to the stack-gas valve house, AOC 02-003(a), and the condensate trap and gaseous effluent vent line, AOC 02-003(b). The tank was connected from 1944 to at least 1974 to the WBR system in building 02-001, AOC 02-004(a).

2.6.4 Summary of Previous Investigations

1985 WBR Decommissioning Project, Phase I

The WBR holding tank (structure 02-062) was drained and removed in 1985. Soil under the tank was excavated until field-screening levels of radioactivity were below predetermined cleanup levels (Elder and Knoell 1986, 006670, p. 22). All excavated contaminated material was transported to TA-54 (Elder and Knoell 1986, 006670, p. 16).

2000 Post–Cerro Grande Fire Recovery Work

Samples were collected from one borehole (location 02-01240) in the approximate center of the tank area (Plate 2). Table 1.3-2 lists the samples collected and analyses requested for each.

2.6.5 Site Contamination

2.6.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-003(e), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Sixteen samples (four soil, eight alluvium, and four tuff), plus two field duplicates, were collected in 2007 from four locations at AOC 02-003(e). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 23 samples (10 soil, 8 alluvium, and 5 tuff), plus 2 field duplicates, collected in 2000 and 2007 from AOC 02-003(e), with a maximum sample depth of 23.4 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.6.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-003(e). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.6.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-003(e) (Figure F-2.3-1). Table 2.6-1 lists, by sample, the

concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-003(e) is presented in Appendix F, section F-2.5.1. The inorganic chemicals identified as COPCs for AOC 02-003(e) are aluminum, antimony, arsenic, barium, cadmium, chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from AOC 02-003(e) (Figure F-2.4-2). Table 2.6-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-003(e) is presented in Appendix F, section F-2.5.3. The organic chemicals identified as COPCs for AOC 02-003(e) are Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; indeno(1,2,3-cd)pyrene; phenanthrene; pyrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from AOC 02-003(e) (Figure F-2.4-3). Table 2.6-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-003(e) is presented in Appendix F, section F-2.5.4. The radionuclides identified as COPCs for AOC 02-003(e) are americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-238.

2.6.5.4 Nature and Extent of Soil and Rock Contamination

Five locations were sampled at AOC 02-003(e). The vertical extent of contamination is not defined for metals and radionuclides (americium-241, uranium-234, and uranium-238). Vertical extent is defined for nitrate, perchlorate, PCBs, VOCs, SVOCs, and radionuclides (cesium-137, plutonium-239/240, and strontium-90) (Appendix F). The lateral extent of contamination for AOC 02-003(e) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.6.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-003(e). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.7 AOC 02-004(a), Former Reactor Facility (OWR)

AOC 02-004(a) is the OWR facility (building 02-001) and is composed of the OWR, the OWR fuel-handling area, the OWR cooling-liquid recirculating piping, OWR gaseous effluent vent line, the OWR material storage area, and the WBR. To facilitate discussion, AOC 02-004(a) is grouped into the following areas:

- OWR, fuel-handling area, cooling-liquid recirculating piping, and gaseous effluent vent line
- OWR material storage area
- WBR

2.7.1 Historical Site Use

OWR, Fuel-Handling Area, Cooling-Liquid Recirculating Piping, and Gaseous Effluent Vent Line

A 25-kW fast-neutron research reactor, Clementine, was located in the western third of building 02-001 (Plate 1). The reactor was self-contained and operated from 1946 to 1953 (LANL 1993, 015314, p. E-8). Clementine was the precursor to the OWR and was dismantled in 1954 (LANL 2003, 082646, p. 2).

The OWR was built above the former Clementine site in the western third of building 02-001. The OWR was an 8-MW water-cooled tank-type research reactor fueled by enriched solid uranium. It was put online in 1956 and operated until it was put on standby status in 1993. The reactor remained inactive until it was decommissioned, removed, and disposed of in 2003 (LANL 2003, 082646, p. 2).

The OWR fuel-handing area consisted of a fuel pit and a closed recirculating system that serviced only the fuel pit. It was located adjacent to the OWR and was used for temporary storage of fuel rods before they were recycled.

The OWR operated with a cooling-liquid recirculating system that consisted of a series of closed-loop pipes in a 100-ft-long corridor that extended from the OWR west to the reactor facility equipment building [building 02-044, AOC 02-004(f)] (Plate 1). The water was routed through pumps, filters, and chillers in the reactor facility equipment building and back to the reactor. The cooling tower (structure 02-049) was added in 1959 to supplement the building 02-044 chillers in this closed system. The recirculating system was active from 1956 to 1993, when it was put on standby status during the OWR shutdown.

Off-gas from the OWR was routed through the gaseous effluent vent line to a connection into line 119 on the east side of TA-02, where the effluent continued up to the mesa-top stack [structure 02-009, SWMU 02-006(a)] (Plate 1). The gaseous effluent vent line teed off of the piping corridor between the OWR and OWR equipment building (building 02-044), as shown in engineering drawing C-10473 (LASL 1957, 090082).

OWR Material Storage Area

Operation of the OWR included the temporary storage of material (isotope columns, through-put port metal sleeves, etc.) that became activated during contact in the reactor neutron flux field. The material was stored in a structure adjacent to the guard quarters (building 02-004), located south of the reactor, awaiting final disposition (Plate 1). The material storage structure was present in as-built engineering drawing R-391 in 1958 (LASL 1958, 090085) and was removed in 2000 (LANL 2000, 090087).

WBR

The WBR was the name used for a series of three small research reactors, low power (LOPO), high power (HYPO), and super power (SUPO), located in the eastern third of the OWR building (02-001) (Plate 1). The reactors were each progressively stronger in power output, consisted generally of a 1-ft-diameter sphere filled with liquid fuel, and were surrounded with neutron-reflecting blocks sitting on a graphite base. The LOPO reactor became functional in May 1944 (Montoya 1991, 006997, p. 5). The LOPO was dismantled, removed, and disposed of in September 1944. The HYPO reactor became operational in December 1944 and was later upgraded to SUPO, which became operational in 1951. The SUPO WBR was decommissioned, removed, and disposed of in 1990 (Montoya 1991, 006997, p. 2).

The reactors were surrounded by a 15-ft × 15-ft × 11-ft concrete biological shield. A shallow sand pit and a utility trench were present beneath the reactor sphere and were used to collect liquids and gases from the reactor and transport them to support structures on the east side of building 02-001. External structures and underground piping associated with the gaseous effluent vent line system were removed and disposed of in 1986 (Elder and Knoell 1986, 006670, p. 43). Six concrete structures were dismantled, and 435 ft of contaminated underground piping was removed and disposed of. Cesium-137 contamination was found in the OWR building (02-001) near the sand pit and the utility trench during D&D activities. The soil was removed and disposed of during D&D activities (Montoya 1991, 006996, p. 5).

2.7.2 Historical Releases

At peak operation, the WBR generated approximately 0.25 L/min excess gas containing some fission products. These gases were managed through the WBR gaseous effluent vent line system (LANL 1993, 015314, p. E-8). Some radionuclides may have been deposited on the ground surface as gaseous effluent drifted from this system, and condensate from the gaseous effluent may have leaked from portions of the vent line system. These releases are addressed as AOCs 02-003(a), 02-003(b), 02-003(c), and 02-003(d).

The OWR experienced a cooling system water leak in January 1993. As a result, the reactor was put on standby status in 1993 and remained inactive until decommissioned in 2003 (LANL 2003, 082646, p. 2).

2.7.3 Relationship to Other SWMUs and AOCs

All the SWMUs and AOCs at TA-02 are related to AOC 02-004(a) because the OWR was the primary operational facility, with all additional structures providing support to OWR. Most of the other SWMUs and AOCs are in peripheral locations or are immediately adjacent to the former OWR building (02-001) footprint. The OWR and associated activities were the primary source for potential contamination at all of the TA-02 SWMUs and AOCs.

2.7.4 Summary of Previous Investigations

2.7.4.1 OWR, Fuel-Handling Area, Cooling-Liquid Recirculating Piping, and Gaseous Effluent Vent Line

2003 Omega West Decommissioning Project

Structures associated with the former OWR area were removed and disposed of in 2003. Associated activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, and surveying of sample coordinates. Radiological walk-over surveys and radiological

(structure) screening were conducted to segregate waste, primarily equipment and construction materials. Limited soil surveys were conducted, but no formal report of soil survey results was prepared.

Low-level radioactive waste (LLW) (construction debris and/or soil) was packaged and shipped to Envirocare of Utah, Inc. (Envirocare) or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. Radioactively contaminated lead from the OWR bioshield was shipped to Envirocare for disposal. Hazardous waste was packaged and disposed of at a licensed facility or stored at the Laboratory pending final disposition. All asbestos-containing materials were shipped to the Painted Desert licensed facility. Clean concrete was transported to an off-site facility, crushed, and returned to site for use as backfill. In total, 360 yd^3 of material was shipped to Envirocare for disposal. Material from the OWR and fuel-handling area, OWR cooling-liquid recirculating piping, and the OWR gaseous effluent vent line was included in this total volume (LANL 2003, 082646, pp. 1-6).

As part of the Omega West decommissioning project, eight samples were collected from four boreholes (locations 02-22359 and 02-22369 through 02-22371), located within the footprint of the OWR (Plate 2). No samples specific to the OWR cooling-liquid recirculating piping or the gaseous effluent vent line were collected in 2003. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.7.4.2 OWR Material Storage Area

2000 Post–Cerro Grande Fire Recovery Work

All building and structural components, piping, and aboveground earthen barricades were removed and disposed of during the fire recovery activities in 2000. The material storage area D&D included removing the structure and foundation and returning the building footprint to a natural grade. All material removed was screened and disposed of at TA-54. Approximately 154 yd^3 of material was removed during the 2000 D&D activity and disposed of at TA-54. Specific volumes associated with the OWR material storage structure are not available (LANL 2000, 090087). No soil samples were collected from the OWR material storage area during the 2000 activities.

2.7.4.3 WBR

1990 WBR Decommissioning, Phase II

The WBR was decommissioned in April 1990. Phase II D&D of the WBR consisted of removing and disposing of the reactor and associated equipment within the reactor building (02-001), Room 122. The 1990 D&D activities consisted of removing and disposing of the WBR vessel, gas recombination system, and graphite-lined concrete biological shield. Removable contamination on building surfaces (walls, floors, etc.) was surveyed and cleaned up where possible or encased in place. Cesium-137 and strontium-90 were the primary radionuclides. Soil beneath the biological shield portion of Room 122 (the area beneath the WBR) contained cesium-137 and strontium-90 above established site-specific remediation levels, and 2.6 yd^3 of soil was removed from the sand pit and utility trench area beneath the WBR. The soil was stored in a secured area (Laboratory property), pending permanent disposal (Montoya 1991, 006996, pp. 3-6), and later disposed of at TA-54.

Following removal of the flooring below the former WBR, soil-screening samples were collected to measure residual beta/gamma activity. The exposed soil area was approximately 150 ft^2, and screening samples were collected at this location. The highest screened activities were along the utility trench leading to the stack-gas valve house and condensate trap area (Montoya 1991, 006996, pp. 5-6. 29). A limited number of soil samples were collected from the excavated soil and analyzed for Resource

Conservation and Recovery Act (RCRA) hazardous constituents. Supporting QA/QC information is not available for these samples, so these data are not useable and are not presented in this report. The D&D report indicated that no RCRA hazardous constituents were present in these samples (Montoya 1991, 006996, pp. 10, 29).

2003 Omega West Decommissioning Project

Structures associated with the former OWR area were decommissioned, and the waste was removed to an appropriate disposal facility during the 2003 D&D activities. Limited soil surveys were conducted; however, no formal report of soil survey results is available (LANL 2003, 082646, pp. 1-6).

No samples were collected within the former WBR footprint in building 02-001. Soil samples potentially associated with the liquid and gaseous effluent lines from the WBR are presented under AOCs 02-003(a-e) and 02-010 and SWMUs 02-006(a) and 02-009(c).

2.7.5 Site Contamination

2.7.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-004(a), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

One hundred fifteen samples (43 soil, 34 alluvium, and 38 tuff), plus 18 field duplicates, were collected in 2007 from 34 locations at AOC 02-004(a). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 123 samples (51 soil, 34 alluvium, and 38 tuff), plus 18 field duplicates, collected in 2003 and 2007 from 38 locations at AOC 02-004(a), with a maximum sample depth of 24.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.7.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-004(a). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.7.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-004(a) (Figure F-2.6-1). Table 2.7-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs for AOC 02-004(a) is presented in Appendix F, section F-2.6.1. The inorganic chemicals identified as COPCs for AOC 02-004(a) are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-004(a) (Figure F-2.6-2). Table 2.7-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-004(a) is presented in Appendix F, section F-2.6.3. The organic chemicals identified as COPCs for AOC 02-004(a) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- butylbenzylphthalate;
- chloroform;
- chrysene;
- dibenzofuran;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;

- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;
- toluene;
- TPH-DRO;
- 1,2-xylene; and
- 1,3-xylene+1,4-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-004(a) (Figure F-2.6-3). Table 2.7-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-004(a) is presented in Appendix F, section F-2.6.4. The radionuclides identified as COPCs for AOC 02-004(a) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235.

2.7.5.4 Nature and Extent of Soil and Rock Contamination

Thirty-eight locations were sampled at AOC 02-004(a). The vertical extent of contamination is not defined for metals, nitrate, and radionuclides (cobalt-60, plutonium-239/240, tritium, and uranium-235). Vertical extent is defined for perchlorate, PCBs, VOCs, SVOCs, dioxi/furan congeners, and radionuclides (americium-241, strontium-90, and cesium-137) (Appendix F). The lateral extent of contamination for AOC 02-004(a) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.7.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-004(a). The screening assessment results indicated that the concentrations of polycyclic aromatic hydrocarbons (PAHs) were contributing to a cancer risk in excess of the target level. The area in the vicinity of location 02-600580 should be remediated for PAHs to reduce the potential cancer risk. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.8 AOCs 02-004(b,c,d), Former Storage Tanks (OWR Effluent Storage Tanks)

AOCs 02-004(b,c,d) are the individual waste liquid storage tanks in a three-tank system (Plate 1). Each tank is a separate AOC, but because of their proximity to one another and identical processes associated with all three tanks, the three AOCs are discussed together and the data for all three are evaluated together. The system contained three underground 1200-gal. (each) stainless-steel effluent storage tanks (structures 02-054, 02-055, and 02-056) with rubberized liners, approximately 150 ft west of building 02-001. The tanks received waste liquid that was primarily flushed effluent from the ion-exchange system associated with the OWR [AOC 02-004(a)]. The tanks also received any spills or leaks collected from the floor of the OWR equipment building [02-044, AOC 02-004(f)], as shown in engineering drawing C-29861 (LASL 1962, 090055).

The tanks were approximately 5-ft-high and 6-ft-diameter cylinders with approximately 2 ft of spacing between them within a single reinforced concrete vault. The vault was rectangular and approximately 8 ft $\times$ 23 ft. The top of the vault was approximately 4 ft bgs, as shown in engineering drawing C-29861 (LASL 1962, 090055). The vault was adjacent to the reactor facility acid pit/transfer sump [structure 02-053, AOC 02-004(e)] and aligned perpendicular to Los Alamos Creek. The southernmost tank was structure 02-054 [AOC 02-004(b)], structure 02-055 [AOC 02-004(c)] was the center tank, and structure 02-056 [AOC 02-004(d)] was the northernmost tank. The bottom of the vault was approximately 10 ft bgs. The lines from the tanks to the reactor facility acid pit/transfer sump [(AOC 02-004(e)] were approximately 8 ft long and were used to temporarily store the liquid until it was transferred to the liquid acid waste line [AOC 02-004(f)] leading to TA-50 or to the aboveground portable tank [AOC 02-004(g)].

2.8.1 Historical Site Use

The tanks, vault, transfer sump, and lines were installed in 1962 according to engineering drawing C-29861, sheet 4 of 13 (LASL 1962, 090055). Leaks in the OWR cooling-liquid system led to the shutdown of the OWR in 1993. All systems were put on standby status in 1993; in 1995, all lines and tanks were drained and the liquids were disposed of (LANL 2000, 090087). In 2000, the tanks, vault, and transfer sump were removed and disposed of (LANL 2000, 090087). In 2003, the lines connecting the tanks to the acid pit/transfer sump [structure 02-053, AOC 02-004(e)], OWR equipment building [02-044, AOC 02-004(f)], the liquid acid waste line leading to TA-50, and the acid pit/transfer sump [structure 02-053, AOC 02-004(e)] outfall [AOC 02-011(d)] were removed and disposed of (LANL 2003, 082646).

2.8.2 Historical Releases

There were no documented releases from AOCs 02-004(b,c,d), but it is possible that undocumented releases occurred as leaks from connecting pipes or pipe joints or from the tanks themselves. If leaks

occurred from the tanks or piping within the concrete vault, that structure would have retained the liquids. There is no documentation of any cracks in the concrete of the vault or releases from that structure.

2.8.3 Relationship to Other SWMUs and AOCs

The OWR effluent storage tanks received effluent from the ion-exchange system of the OWR [AOC 02-004(a)] and from the floor of the OWR equipment building [AOC 02-004(f)]. The OWR acid pit, AOC 02-004(e), was located immediately adjacent to the vault on the southeast side. The drainline from the OWR equipment building, AOC 02-004(f), to the acid pit ran from northeast to southwest near the southeast side of the vault near AOC 02-004(d). A storm drain and outfall, AOC 02-011(c), terminated on the surface, approximately 20 ft to the northeast of the vault.

2.8.4 Summary of Previous Investigations

1995 Investigation Activities

A radiological screening survey was conducted at locations across AOCs 02-004(b,c,d). Alpha activity was detected above instrument background, and beta/gamma activity was detected at levels above site background.

Soil samples were collected during the investigation activities from boreholes near the tank vault. Supporting QA/QC information is not available for these samples; therefore, these data are not useable and are not included in this report.

2000 Post–Cerro Grande Fire Recovery Work

During 2000 post–Cerro Grande fire recovery activities, the tanks, vault structure, and piping between the tanks and acid pit/transfer sump [structure 02-053, AOC 02-004(e)] were removed and disposed of. The structure footprint was returned to a natural grade. Approximately 154 yd^3 of material was removed during this 2000 D&D activity and disposed of at TA-54; waste volumes associated with AOCs 02-004(b,c,d) are not available (LANL 2000, 090087).

Soil samples were collected from boreholes across the general AOCs 02-004(b,c,d) area during the 2000 D&D activities. However, the borehole location coordinates were not surveyed, and accurate information is not available for these locations. Therefore, these data are not useable and are not included in this report.

2003 Omega West Decommissioning Project

Any piping that remained on-site after the 2000 D&D effort was decommissioned and removed, and the waste was disposed of at an appropriate disposal facility. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare and/or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the OWR effluent storage tanks was included in this total volume (LANL 2003, 082646, pp. 1-6). No soil samples were collected in 2003 at AOCs 02-004(b,c,d) as part of the Omega West decommissioning project activities.

2.8.5 Site Contamination

2.8.5.1 Soil and Rock Sampling

Samples were collected in 2007 at AOCs 02-004(b,c,d), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Nineteen samples (nine soil, five alluvium, and five tuff), plus five field duplicate samples, were collected in 2007 from nine locations at AOCs 02-004(b,c,d), with a maximum sample depth of 23.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.8.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOCs 02-004(b,c,d). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities at AOCs 02-004(b,c,d) as a result of field-screening results.

2.8.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOCs 02-004(b,c,d) (Figure F-2.7-1). Table 2.8-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOCs 02-004(b,c,d) is presented in Appendix F, section F-2.7.1. The inorganic chemicals identified as COPCs for AOCs 02-004(b,c,d) are aluminum, antimony, arsenic, barium, cadmium, chromium, cyanide (total), iron, manganese, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOCs 02-004(b,c,d) (Figure F-2.7-2). Table 2.8-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOCs 02-004(b,c,d) is presented in Appendix F, section F-2.7.3. The organic chemicals identified as COPCs for AOCs 02-004(b,c,d) are

- acenaphthene;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;

- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- chrysene;
- dibenzofuran;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 2-methylnaphthalene; naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin; and
- 2,3,7,8-tetrachlorodibenzofuran.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOCs 02-004(b,c,d) (Figure F-2.7-3). Table 2.8-3 lists, by sample,

the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOCs 02-004(b,c,d) is presented in Appendix F, section F-2.7.4. The radionuclides identified as COPCs for AOCs 02-004(b,c,d) are cobalt-60, plutonium-239/240, tritium, and uranium-235.

2.8.5.4 Nature and Extent of Soil and Rock Contamination

Nine locations were sampled at AOCs 02-004(b,c,d). The vertical extent of contamination is not defined for metals, nitrate, perchlorate, PCBs, and radionuclides (plutonium-239/240, uranium-235, and tritium). Vertical extent is defined for SVOCs, dioxi/furan congeners, and cobalt-60 (Appendix F). The lateral extent of contamination for AOCs 02-004(b,c,d) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.8.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOCs 02-004(b,c,d). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.9 AOC 02-004(e), Former Acid Pit (OWR Acid Pit/Transfer Sump)

AOC 02-004(e) was a liquid transfer system that consisted of a series of valves and pumps that transferred waste from the OWR equipment building (02-044) to the structure 02-054, 02-055, or 02-056 tanks, the portable aboveground tank [no structure number, AOC 02-004(g)] or the liquid acid waste line leading to TA-50 (Plate 1). The equipment was housed in a partially belowground transfer sump, referred to as the acid pit/transfer sump (structure 02-053). The unit was a reinforced-concrete pit that measured 7 ft wide $\times$ 11 ft long $\times$ 7 ft deep. Approximately 1 ft of the pit was aboveground, as indicated in engineering drawing C-29861 (LASL 1962, 090055).

The liquid waste line entered the sump from the OWR equipment building [02-044, AOC 02-004(f)] at approximately 5 ft bgs and connected to the tanks at 8 ft bgs.

2.9.1 Historical Site Use

The acid pit/transfer sump was operational beginning in 1963. The system transferred liquid wastes from the OWR equipment building to three storage tanks [AOCs 02-004(b), 02-004(c), and 02-004(d)]. The tanks were used to store the liquid temporarily until it was transferred to the liquid acid waste line (no structure number) leading to TA-50 or to the portable aboveground tank [(no structure number) AOC 02-004(g)].

Use of the acid pit/transfer sump was discontinued in 1993 when the OWR was shut down (LANL 2003, 082646, p. 2). All liquid waste was drained from the system in 1995, and in 2000 the structure and equipment were decommissioned and removed (LANL 2000, 090087). All remaining buried pipes and drains were removed and disposed of in 2003 (LANL 2003, 082646).

2.9.2 Historical Releases

There were no specific documented releases from AOC 02-004(e).

2.9.3 Relationship to Other SWMUs and AOCs

The acid pit/transfer sump received liquid wastes from the OWR equipment building [AOC 02-004(f)] and transferred those wastes to the tanks at AOCs 02-004(b,c,d), to an aboveground tank, AOC 02-004(g), or to the liquid acid waste line leading to TA-50. The acid pit/transfer sump was immediately adjacent to AOCs 02-004(b,c,d).

2.9.4 Summary of Previous Investigations

1995 Investigation Activities

A radiological screening survey was conducted at locations across the acid pit/transfer sump area [structure 02-053, AOC 02-004(e)]. Alpha activity was detected above site background, and beta/gamma activity was detected at levels above site background.

Soil samples were collected from locations near the acid pit/transfer sump. Supporting QA/QC information is not available for these samples; therefore, these data are not useable and are not included in this report.

2000 Post–Cerro Grande Fire Recovery Work

The scope of decommissioning activities following the Cerro Grande fire in 2000 was to remove and dispose of all building and structural components, piping, and aboveground earthen barricades. The OWR acid pit/transfer sump was removed, and all underground piping leading to and away from the acid pit/transfer sump was capped and left in place. Specific waste volumes associated with AOC 02-004(e) are not available (LANL 2000, 090087).

Soil samples were collected from boreholes across the AOC 02-004(e) area. However, the borehole location coordinates were not surveyed, and accurate information is not available for these locations. Therefore, these data are not useable and are not included in this report.

2003 Omega West Decommissioning Project

AOC 02-004(e) piping that remained on-site after the 2000 activities was removed, and the waste was disposed of in 2003. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; piping and/or soil material from the OWR acid pit/transfer sump was included in this total volume (LANL 2003, 082646, pp. 1-6).

No soil samples were collected in 2003 at AOC 02-004(e) as part of the Omega West decommissioning project activities.

2.9.5 Site Contamination

2.9.5.1 Soil and Rock Sampling

Samples were collected in 2007 at AOC 02-004(e), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Eight samples (three soil, two alluvium, and three tuff), plus two field duplicates, were collected in 2007 from three locations at AOC 02-004(e), with a maximum sample depth of 19.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.9.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-004(e). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.9.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-004(e) (Figure F-2.8-1). Table 2.9-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-004(e) is presented in Appendix F, section F-2.8.1. The inorganic chemicals identified as COPCs for AOC 02-004(e) are aluminum, arsenic, barium, cadmium, chromium, copper, iron, lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-004(e) (Figure F-2.8-2). Table 2.9-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-004(e) is presented in Appendix F, section F-2.8.3. The organic chemicals identified as COPCs for AOC 02-004(e) are

- acenaphthene;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;

- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- chrysene;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin; and
- 2,3,7,8-tetrachlorodibenzofuran.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-004(e) (Figure F-2.7-3). Table 2.9-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-004(e) is presented in Appendix F, section F-2.8.4. The radionuclides identified as COPCs for AOC 02-004(e) are cesium-137, plutonium-239/240, and tritium.

2.9.5.4 Nature and Extent of Soil and Rock Contamination

Three locations were sampled at AOC 02-004(e). The vertical extent of contamination is not defined for metals. Vertical extent is defined for nitrate, perchlorate, dixin/furan congeners, PCBs, SVOCs, and radionuclides (cesium-137, plutonium-239/240, and tritium) (Appendix F). The lateral extent of contamination for AOC 02-004(e) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.9.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-004(e). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.10 AOC 02-004(f), Former Equipment Building (OWR Equipment Building and Liquid Acid Waste Line)

AOC 02-004(f) was a 49-ft × 26-ft equipment building (02-044) that contained several pumps, including the main circulating pump for the OWR's cooling water, a buffalo chiller (a cooling system), and an ion-exchange filter system to maintain the OWR cooling-liquids system (Plate 1). At a later date, these systems were also connected to TA-50 by a liquid acid waste line. Lines associated with the OWR equipment building were present at approximately 4 ft bgs.

2.10.1 Historical Site Use

Building 02-044 became operational in 1954 and had floor drains that discharged to Los Alamos Creek through an outfall located at AOC 02-008(a). Modifications to the cooling water system, with the addition of the cooling tower (structure 02-049) and associated outfall, were made in 1959, as shown in engineering drawing C-21327 (LASL 1959, 090058). The drain from the OWR equipment building was connected to the cooling tower outfall in 1959, as shown in engineering drawing C-48768 (LASL no date, 090056). The outfalls in Los Alamos Creek were physically the same [location of AOC 02-008(a)]. When the acid pit/transfer sump and effluent storage tank structures (02-053, 02-054 and 02-055) were added in 1962, the wastewater discharge from the OWR equipment building was routed through the acid pit/transfer sump, thus minimizing direct discharge to Los Alamos Creek from building 02-044, as noted in engineering drawing C-29861 (LASL 1962, 090055).

The OWR equipment building operated until 1993, when the OWR was shut down. In 1995, all liquid waste was removed from the system and disposed of at TA-54 (LANL 2003, 082646, p. 2). In 2003, the building and all remaining buried pipes and drains were removed and disposed of at approved disposal facilities (LANL 2003, 082646, pp. 26-31).

2.10.2 Historical Releases

There were no specific documented releases from AOC 02-004(f). Floor drains in the equipment building discharged through drainlines directly to Los Alamos Creek between 1954 and 1962.

2.10.3 Relationship to Other SWMUs and AOCs

Discharge associated with the OWR equipment building operations from 1954 to 1962 is addressed under the cooling tower outfall [AOC 02-008(a)]. Discharge from 1962 to 1993 is addressed under the OWR equipment building outfall [AOC 02-011(d)].

2.10.4 Summary of Previous Investigations

2003 Omega West Decommissioning Project

During D&D activities in 2003, eight soil samples were collected from four locations (02-22376, 02-22377, 02-22378, and 02-22379) within or near the footprint of the former OWR equipment building. The samples were analyzed for TAL metals and radionuclides. Table 1.3-2 lists the samples collected and analyses requested for each. Hexavalent chromium and tritium were detected at all four locations, and the extent of contamination was not defined.

2.10.5 Site Contamination

2.10.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-004(f), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Sixty samples (23 soil, 18 alluvium, and 19 tuff), plus 9 field duplicates, were collected in 2007 from 21 locations at AOC 02-004(f). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 68 samples (31 soil, 18 alluvium, and 19 tuff), plus 9 field duplicates, collected in 2003 and 2007 from 25 locations at AOC 02-004(f), with a maximum sample depth of 25.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and analyses requested for each.

2.10.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-004(f). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.10.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-004(f) (Figure F-2.8-1). Table 2.10-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-004(f) is presented in Appendix F, section F-2.9.1. The inorganic chemicals identified as COPCs for AOC 02-004(f) are aluminum, arsenic, barium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-004(f) (Figure F-2.9-1). Table 2.10-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-004(f) is presented in Appendix F, section F-2.9.3. The organic chemicals identified as COPCs for AOC 02-004(f) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;

- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- pentachlorophenol;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran; and
- toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-004(f) (Figure F-2.9-2). Table 2.10-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-004(f) is presented in Appendix F, section F-2.9.4. The radionuclides identified as COPCs for AOC 02-004(f) are cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235.

2.10.5.4 Nature and Extent of Soil and Rock Contamination

Twenty-five locations were sampled at AOC 02-004(f). The vertical extent of contamination is not defined for metals, nitrate, perchlorate, PCBs, SVOCs, VOCs, and radionuclides (plutonium-239/240, tritium, and uranium-235). Vertical extent is defined for dioxin/furan congeners and radionuclides (cesium-137, cobalt-60, and strontium-90) (Appendix F). The lateral extent of contamination for AOC 02-004(f) is not defined on the northwest side of the OWR equipment building area or to the south of the east-west path of the liquid acid waste line. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.10.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-004(f). The screening assessment results did not indicate that

any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.11 AOC 02-004(g), Soil Contamination (Portable Aboveground Storage Tank)

AOC 02-004(g) was a 300-gal. portable storage tank located on a platform near the guard station (structure 02-012) at the west end of the OWR facility (Plate 1).

2.11.1 Historical Site Use

The storage tank was used for temporarily storing liquids to supplement the three OWR effluent storage tanks [AOCs 02-004(b,c,d)]. The portable aboveground storage tank was installed and began operations in 1962 (Bunker 1985, 036231). The platform and portable aboveground storage tank were removed by 1993, but removal and disposal details are not available (LANL 1993, 015314).

2.11.2 Historical Releases

There were no specific documented releases from AOC 02-004(g).

2.11.3 Relationship to Other SWMUs and AOCs

The portable aboveground storage tank was used to supplement the capacity of the three OWR effluent storage tanks, AOCs 02-004(b,c,d), which received effluent from the ion exchange system of the OWR [AOC 02-004(a)] and from the floor of the OWR equipment building [AOC 02-004(f)].

2.11.4 Summary of Previous Investigations

2003 Omega West Decommissioning Project

The portable aboveground storage tank platform area was decommissioned and evaluated during the 2003 D&D activities. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted; however, no formal report of soil survey results is available.

Samples were collected from five boreholes (locations 02-22383 through 02-22387) near the former location of the storage tank (Plate 2) as part of the 2003 D&D activities at AOC 02-004(g) (LANL 2003, 082646, pp. 1-6). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.11.5 Site Contamination

2.11.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-004(g), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Twenty-one samples (seven soil/fill, seven alluvium, one sediment, and six tuff), plus three field duplicates, were collected in 2007 from nine locations at AOC 02-004(g). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 29 samples (15 soil/fill, 7 alluvium, 1 sediment, and 6 tuff), plus 3 field duplicates, collected in 2003 and 2007 from 14 locations at AOC 02-004(g), with a maximum sample depth of 22.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.11.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-004(g). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.11.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-004(g) (Figure F-2.10-1). Table 2.11-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-004(g) is presented in Appendix F, section F-2.10.1. The inorganic chemicals identified as COPCs for AOC 02-004(g) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-004(g) (Figure F-2.10-2). Table 2.11-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-004(g) is presented in Appendix F, section F-2.10.3. The organic chemical COPCs identified for AOC 02-004(g) are

- acenaphthene;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- chloroform;
- chrysene;

- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- ,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran;
- tetrachloroethene;
- toluene; and
- trichloroethene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-004(g) (Figure F-2.10-3). Table 2.11-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-004(g) is presented in Appendix F, section F-2.10.4. The radionuclides identified as COPCs for AOC 02-004(g) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium.

2.11.5.4 Nature and Extent of Soil and Rock Contamination

Fourteen locations were sampled at AOC 02-004(g). The vertical extent of contamination is not defined metals, nitrate, PCBs, SVOCs, and radionuclides (americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium). Vertical extent is defined for perchlorate, dioxin/furan congeners, and VOCs (Appendix F). The lateral extent of contamination for AOC 02-004(g) is not defined except on the north side by the main channel of Los Alamos Creek. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.11.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-004(g). The screening assessment results did not indicate that any area required remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.12 SWMU 02-005, Soil Contamination (Cooling Tower Drift Loss)

SWMU 02-005 consists of an area potentially affected by airborne drift of potassium dichromate used to inhibit corrosion in the OWR cooling tower (structure 02-049) (Plate 1).

2.12.1 Historical Site Use

The cooling tower was installed and became operational in 1957. It was constructed with aluminum heat exchangers that were prone to corrosion. Potassium dichromate was added to the make-up water to inhibit corrosion of the heat exchangers. Stainless-steel heat exchangers were installed to eliminate the use of potassium dichromate in 1975 (LANL 1993, 015314).

The cooling tower operated until the OWR was shut down in 1993. In 1995, all liquid was drained from the system (LANL 2003, 082646, p. 2). In 2000, the cooling tower structure and equipment were removed and disposed of at TA-54 (LANL 2000, 090087). In 2003, the remaining buried pipes and drains were removed and disposed of at TA-54 or Envirocare (LANL 2003, 082646, pp. 26-31).

2.12.2 Historical Releases

There were no documented releases from SWMU 02-005, but it is likely that water from the cooling tower drifted and was deposited on the ground surface between 1957 and 1993.

2.12.3 Relationship to Other SWMUs and AOCs

SWMU 02-005 is located north of the former structures of the OWR facility. The SWMU originated in the water used in the OWR cooling tower (structure 02-049), which is not a distinct SWMU or AOC.

2.12.4 Summary of Previous Investigations

1995 Investigation Activities

Soil samples were collected in 1994 and 1995. Supporting QA/QC information is not available for any of these samples. Therefore, these data are not included in this report.

2.12.5 Site Contamination

2.12.5.1 Soil and Rock Sampling

Samples were collected in 2007 at SWMU 02-005, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Twenty-eight samples (16 soil, 11 alluvium, and 1 tuff), plus 2 field duplicates, were collected in 2007 from 16 locations at SWMU 02-005, with a maximum sample depth of 7.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.12.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at SWMU 02-005. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.12.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at SWMU 02-005 (Figure F-2.11-1). Table 2.12-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at SWMU 02-005 is presented in Appendix F, section F-2.11.1. The inorganic chemicals identified as COPCs for SWMU 02-005 are arsenic, cadmium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nitrate, perchlorate, and selenium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at SWMU 02-005 (Figure F-2.11-2). Table 2.12-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at SWMU 02-005 is presented in Appendix F, section F-2.11.3. The organic chemicals identified as COPCs for SWMU 02-005 are Aroclor-1254, Aroclor-1260, benzo(b)fluoranthene, fluoranthene, pyrene, and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at SWMU 02-005 (Figure F-2.11-3). Table 2.12-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at SWMU 02-005 is presented in Appendix F, section F-2.11.4. The radionuclides identified as COPCs for SWMU 02-005 are americium-241, cesium-137, plutonium-239/240, and tritium.

2.12.5.4 Nature and Extent of Soil and Rock Contamination

Sixteen locations were sampled at SWMU 02-005. The vertical extent of contamination is not defined for metals, cyanide (total), nitrate, perchlorate, PCBs, and radionuclides (americium-241, cesium-137, plutonium-239/240, and tritium) (Appendix F). The lateral extent of contamination for SWMU 02-005 is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination. (Appendix F).

2.12.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at SWMU 02-005. The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.13 SWMU 02-006(a), Former French Drain

SWMU 02-006(a) was an 8-ft-deep French drain system. The system consisted of the exhaust stack and French drain, all located in TA-61 on the Los Alamos Canyon south rim mesa top, above TA-02. The stack system was the termination point of the gaseous effluent vent line (line 119) from the OWR and WBR at TA-02 (Plate 1).

2.13.1 Historical Site Use

The French drain was installed in 1948, designated as structure 02-009, and was also identified as structure 61-026, according to engineering drawing C-1716 (LASL 1948, 090083). The French drain was designed to catch condensate that collected as reactor exhaust gases cooled during venting through the tower exhaust stack. The vent stack and French drain system were active from their installation in 1948 to the OWR deactivation in 1993. The French drain system and contaminated soil were removed and disposed of during D&D activities in 2003 (LANL 2003, 090089).

2.13.2 Historical Releases

No releases from SWMU 02-006(a) were documented, but routine operational gaseous discharge may have resulted in contaminated condensate collecting in the French drain between 1948 and 1993.

2.13.3 Relationship to Other SWMUs and AOCs

The French drain is primarily related to the gaseous effluent vent line, AOC 02-003(d), which vented through the stack associated with the French drain.

2.13.4 Summary of Previous Investigations

2003 Omega West Decommissioning Project

The French drain and associated structures located in TA-61 were removed as part of the Omega West decommissioning project in 2003. Field screening and radiological surveys were performed during site characterization and D&D activities to guide in soil removal and sampling activities. The residual radioactive computer code was used to determine cleanup goals and to guide excavation (LANL 2003, 090089, p. 3).

Excavation of the French drain was conducted in three parts. First, surface soil was removed from an area approximately 30 ft × 30 ft × 1 ft deep. Second, the French drain structure was removed, resulting in an excavation 9 ft × 9 ft × 10 ft deep. Third, the drainline was removed, and an area 2 ft × 20 ft × 6 ft deep was excavated. The trench excavated at the north end of the drainline was extended to a depth of 10 ft bgs to remove contaminated soil/tuff encountered beneath that portion of the line (LANL 2003, 090089, p. 6). The excavated material was containerized in rolloff bins and shipped off-site for disposal. A total of 2160 ft^3 of excavated material was shipped off-site for disposal at Envirocare (LANL 2003, 090089, pp. 1-8). After field screening indicated that the sides and bottom of the excavation met preestablished remediation goals, confirmation samples were collected near the north and south ends of the drainline and below the bottom of the French drain excavation.

Samples were collected from eight boreholes (locations 02-22055 through 02-22058) (Plate 2) on the north, south, east, and west sides of the French drain structure excavation and near the north and south ends of the drainline (locations 02-22052 through 02-22054 and 02-22059) below the bottom of the excavation (LANL 2003, 090089, p. 5). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.13.5 Site Contamination

2.13.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at SWMU 02-006(a), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Seventy-two samples (12 soil and 60 tuff), plus 7 field duplicates, were collected in 2007 from 12 locations at SWMU 02-006(a). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 104 samples (24 soil and 80 tuff), plus

7 field duplicates, collected in 2003 and 2007 from 20 locations at SWMU 02-006(a), with a maximum sample depth of 23.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.13.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at SWMU 02-006(a). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.13.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at SWMU 02-006(a) (Figure F-2.12-1). Table 2.13-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at SWMU 02-006(a) is presented in Appendix F, section F-2.12.1. The inorganic chemicals identified as COPCs for SWMU 02-006(a) are aluminum, barium, beryllium, calcium, chromium, copper, cyanide (total), hexavalent chromium, lead, magnesium, nickel, nitrate, perchlorate, selenium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at SWMU 02-006(a) (Figure F-2.12-2). Table 2.13-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at SWMU 02-006(a) is presented in Appendix F, section F-2.12.3. The organic chemicals identified as COPCs for SWMU 02-006(a) are Aroclor-1242; Aroclor-1254; Aroclor-1260; 1,4-dichlorobenzene; toluene; and trichloroethene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at SWMU 02-006(a) (Figure F-2.12-3). Table 2.13-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at SWMU 02-006(a) is presented in Appendix F, section F-2.12.4. The radionuclides identified as COPCs for SWMU 02-006(a) are cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235.

2.13.5.4 Nature and Extent of Soil and Rock Contamination

Twenty locations were sampled at SWMU 02-006(a). The vertical extent of contamination is not defined for metals, hexavalent chromium, perchlorate, and radionuclides (cesium-137, strontium-90, tritium, and uranium-235). Vertical extent is defined for nitrate, PCBs, VOCs, and plutonium-239/240 (Appendix F).

The lateral extent of contamination is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.13.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at SWMU 02-006(a). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.14 SWMU 02-006(b), Former Acid Waste Line (OWR Acid Waste Line)

SWMU 02-006(b) was an acid waste line that carried effluent from several laboratory rooms in the center of the OWR building (building 02-001) south to a discharge point into Los Alamos Creek (Plate 1).

2.14.1 Historical Site Use

Construction of the OWR building (02-001) and associated laboratory rooms, sinks, and waste line [SWMU 02-006(b)] was completed in 1946 (engineering drawing C-1703,LASL 1946, 089678). The OWR became operational in 1956. The acid waste line was reportedly taken out of service in the 1960s; however, no record of its removal is available (DOE 1987, 008663). All SWMU 02-006(b) lines and connections were removed and disposed of in 2003 (LANL 2003, 082646, p. 2).

2.14.2 Historical Releases

No specific releases from the OWR acid waste line were documented, but routine operation releases may have occurred between 1956 and the line's deactivation in the 1960s. Types of effluent discharged through the acid waste line are not known but could include inorganic chemicals, organic chemicals, and radionuclides.

2.14.3 Relationship to Other SWMUs and AOCs

The OWR acid waste line was related to the OWR facility, AOC 02-004(a). The laboratory rooms and sinks that discharged into the acid waste line were all located within the OWR facility.

2.14.4 Summary of Previous Investigations

1995 Investigation Activities

Samples were collected as part of the investigation activities in 1995. Supporting QA/QC information is not available for any of these samples, so they are not included in this report.

2000 Post–Cerro Grande Recovery Work

As part of the post–Cerro Grande fire recovery work, samples were collected from two locations (02-01094 and 02-01251) near the southern end of the drainline (Plate 2) (LANL 2001, 070352). Table 1.3-2 lists the samples collected and the analyses requested for each.

2003 Omega West Decommissioning Project

All SWMU 02-006(b) piping was removed, and the waste was disposed of at an appropriate disposal facility. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted; however, no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from the OWR acid waste line was included in this total volume (LANL 2003, 082646, pp. 1-6). The volume of material specifically associated with AOC 02-006(b) was not documented.

Two soil samples were collected from one borehole (location 02-22345) (Plate 2) in 2003. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.14.5 Site Contamination

2.14.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at SWMU 02-006(b), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Sixty-one samples (16 soil, 29 alluvium, 1 sediment, and 15 tuff), plus 4 field duplicates, were collected in 2007 from 17 locations at SWMU 02-006(b). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 65 samples (18 soil, 29 alluvium, 3 sediment, and 15 tuff), plus 4 field duplicates, collected in 2000, 2003, and 2007 from 20 locations at SWMU 02-006(b), with a maximum sample depth of 22.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.14.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at SWMU 02-006(b). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.14.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at SWMU 02-006(b) (Figure F-2.13-1). Table 2.14-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at SWMU 02-006(b) is presented in Appendix F, section F-2.13.1. The inorganic chemicals identified as COPCs for SWMU 02-006(b) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at SWMU 02-006(b) (Figure F-2.13-2). Table 2.14-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at SWMU 02-006(b) is presented in Appendix F, section F-2.13.3. The organic chemicals identified as COPCs for SWMU 02-006(b) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chrysene;
- di-n-butylphthalate;
- dibenz(a,h)anthracene;
- dibenzofuran;
- 1,4-dichlorobenzene;
- diethylphthalate;
- ethylbenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- 4-methyl-2-pentanone;
- methylene chloride;

- 2-methylnaphthalene;
- naphthalene;
- phenanthrene;
- pyrene;
- styrene;
- toluene;
- TPH-DRO;
- trichloroethene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene;
- 1,2-xylene; and
- 1,3-xylene+1,4-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at SWMU 02-006(b) (Figure F-2.13-3). Table 2.14-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at SWMU 02-006(b) is presented in Appendix F, section F-2.13.4. The radionuclides identified as COPCs for SWMU 02-006(b) are cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235.

2.14.5.4 Nature and Extent of Soil and Rock Contamination

Twenty locations were sampled at SWMU 02-006(b). The vertical extent of contamination is not defined for metals, nitrate, perchlorate, PCBs, and radionuclides (plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235). Vertical extent is defined for VOCs, SVOCs, and cesium-137 (Appendix F). The lateral extent of contamination for SWMU 02-006(b) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.14.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at SWMU 02-006(b). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.15 AOC 02-006(c), Former Drainline (Sewer Line)

AOC 02-006(c) was a waste line that extended from the office areas in the reactor building to the septic tank (structure 02-043, SWMU 02-007) (Plate 1). AOC 02-006(c) was identified in the 1990 SWMU report (LANL 1990, 007511) as a drainline that was connected to the chemical room in the OWR building

(02-001) and several OWR laboratories. A closer review of the available engineering drawings C-1703 (LASL 1946, 089678) and C-1750 (LASL 1949, 089680) leads to the following clarification regarding the connection and use of AOC 02-006(c).

AOC 02-006(c) was the drainline that served the office or central portion of the OWR building, 02-001. As indicated in engineering drawing C-1750 (LASL 1949, 089680), the line was separate from the OWR acid waste line [AOC 02-006(b)] that connected to the chemical laboratories.

2.15.1 Historical Site Use

The AOC 02-006(c) waste line received wastewater from the evaporative cooler and drinking fountain associated with the control room, restrooms, and office areas. The sanitary service provided by AOC 02-006(c) was transferred to TA-41 in the mid-1970s (DOE 1987, 008663). However, the AOC 02-006(c) drainline continued to convey basement seepage to the AOC 02-008(c) outfalls installed in 1985 and 1988. The AOC 02-006(c) sewer line was removed and disposed of during D&D activities in 2003 (LANL 2003, 082646).

2.15.2 Historical Releases

There were no documented releases from AOC 02-006(c).

2.15.3 Relationship to Other SWMUs and AOCs

The AOC 02-006(c) sewer line originated in the OWR facility, AOC 02-004(a). The sewer line crossed the path of, or ran parallel to, lines associated with SWMU 02-006(b) and AOC 02-011(a)(ix) and AOC 02-011(a)(x). The line ran near the former chemical waste shack (AOC 02-010), the stack-gas valve house [AOC 02-003(a)], and the drainlines of AOC 02-003(a) and AOC 02-011(b). The sewer line terminated at the the SWMU 02-007 septic tank (Consolidated Unit 02-007-00).

2.15.4 Summary of Previous Investigations

2003 Omega West Decommissioning Project

AOC 02-006(c) piping was removed, and the waste was disposed of at an approved facility during D&D activities in 2003. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from the AOC 02-006(c) sewer line was included in this total volume (LANL 2003, 082646, pp. 1-6). The specific volume of material associated with AOC 02-006(c) was not documented.

No soil samples were collected from AOC 02-006(c) as part of the Omega West decommissioning project activities in 2003.

2.15.5 Site Contamination

2.15.5.1 Soil and Rock Sampling

Samples were collected in 2007 at AOC 02-006(c), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Twenty-two samples (7 soil, 11 alluvium, and 4 tuff), plus 1 field duplicate, were collected in 2007 from seven locations at AOC 02-006(c), with a maximum sample depth of 19.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.15.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-006(c). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.15.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-006(c) (Figure F-2.14-1). Table 2.15-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-006(c) is presented in Appendix F, section F-2.14.1. The inorganic chemicals identified as COPCs for AOC 02-006(c) are aluminum, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, and vanadium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-006(c) (Figure F-2.14-2). Table 2.15-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-006(c) is presented in Appendix F, section F-2.14.3. The organic chemicals identified as COPCs for AOC 02-006(c) are

- acenaphthene;
- anthracene;
- Aroclor-1242;
- Aroclor-1254;
- Aroclor-1260;

- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- phenanthrene;
- pyrene;
- toluene; and
- TPH-DRO.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-006(c) (Figure F-2.14-3). Table 2.15-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-006(c) is presented in Appendix F, section F-2.14.4. The radionuclides identified as COPCs for AOC 02-006(c) are cesium-137, plutonium-239/240, strontium-90, and tritium.

2.15.5.4 Nature and Extent of Soil and Rock Contamination

Seven locations were sampled at AOC 02-006(c). The vertical extent of contamination is not defined for metals, hexavalent chromium, and PCBs. Vertical extent is defined for nitrate, perchlorate, SVOCs, VOCs, and radionuclides (cesium-137, plutonium-239/240, strontium-90, and tritium) (Appendix F). The lateral extent of contamination for AOC 02-006(c) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.15.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-006(c). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the

screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.16 AOC 02-006(d), Former Drainline [Duplicate of AOC 02-006(c)]

AOC 02-006(d) is a duplicate of AOC 02-006(c). All activities for AOC 02-006(d) are addressed as AOC 02-006(c), which is discussed in section 2.15.

2.17 AOC 02-006(e), Former Sump (OWR Floor Drains and Waste Sump)

AOC 02-006(e) was a sump (structure 02-026) and drainline that received effluent from the OWR building (02-001) reactor room floor drains and mezzanine (Plate 1).

2.17.1 Historical Site Use

The AOC 02-006(e) drainline was connected to floor drains in the main reactor room and became operational in 1944. A second collection sump (structure 02-082) was added to the AOC 02-006(e) drainline in 1990, as shown in engineering drawing C-45924 (LANL 1990, 089679). A drainline from the structure 02-082 sump was connected directly to the AOC 02-004(e) acid pit/transfer sump (structure 02-053), possibly replacing the AOC 02-006(e) direct discharge to Los Alamos Creek; however, the sump (structure 02-026) and the original drainline remained in place until they were removed and disposed of during D&D activities in 2003 (LANL 2003, 082646, p. 6). The second sump (structure 02-082) and the drainline to structure 02-053 [AOC 02-004(e)] were also removed and disposed of during D&D activities in 2003 (LANL 2003, 082646, p. 6).

2.17.2 Historical Releases

There were no documented releases, but the drainlines intentionally discharged liquids into Los Alamos Creek for part of the period between 1944 and 1993, the year OWR was deactivated. It is possible that leaks occurred from pipe joints or from the sump structures. Possible contaminants include radionuclides and inorganic chemicals, and organic chemicals associated with OWR facility operations.

2.17.3 Relationship to Other SWMUs and AOCs

The floor drains and drainlines of AOC 02-006(e) originated within the OWR facility, AOC 02-004(a). The drainlines and sumps south of the OWR building were located in proximity to the drainlines included in AOC 02-011(a), which ran parallel to the AOC 02-006(e) lines between the OWR building and the outfall at Los Alamos Creek.

2.17.4 Summary of Previous Investigations

1995 Investigation Activities

One location was sampled in 1995. Supporting QA/QC information is not available for this sample; therefore, these data are not useable and are not presented in this report.

2000 Post–Cerro Grande Fire Recovery Work

As part of the post–Cerro Grande fire recovery work, three samples were collected from two locations (02-01095 and 02-01250) (Plate 2). Table 1.3-2 lists the samples collected and analyses requested for each.

2003 Omega West Decommissioning Project

All AOC 02-006(e) piping and sumps were removed during the OWR decommissioning project. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Radiological walk-over surveys and radiological (structure) screening were conducted to segregate waste, primarily equipment and construction materials. Limited soil surveys were conducted; however, no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the OWR floor drains, lines, and waste sumps was included in this total volume (LANL 2003, 082646, pp. 1-6). Six samples were collected from three boreholes (locations 02-22356, 02-22357, and 02-22358) (Plate 2) in 2003. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.17.5 Site Contamination

2.17.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-006(e), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Forty-one samples (23 soil, 6 alluvium, and 12 tuff), plus 5 field duplicates, were collected in 2007 from 11 locations at AOC 02-006(e). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 50 samples (29 soil, 6 alluvium, 3 sediment, and 12 tuff), plus 5 field duplicates, collected in 2000, 2003, and 2007 from 16 locations at AOC 02-006(e), with a maximum sample depth of 25.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.17.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-006(e). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.17.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media at AOC 02-006(e) (Figure F-2.16-1). Table 2.17-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-006(e) is presented in Appendix F, section F-2.16.1. The inorganic chemicals identified as COPCs for AOC 02-006(e) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-006(e) (Figure F-2.16-2). Table 2.17-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-006(e) is presented in Appendix F, section F-2.16.3. The organic chemicals identified as COPCs for AOC 02-006(e) are

- acenaphthene;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- dibenzofuran;
- 1,4-dichlorobenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;

- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- n-nitrosodimethylamine;
- phenanthrene;
- pyrene;
- toluene; and
- 1,3-xylene + 1,4-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BVs/FVs in samples from one or more media at AOC 02-006(e) (Figure F-2.16-3). Table 2.17-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-006(e) is presented in Appendix F, section F-2.16.4. The radionuclides identified as COPCs for AOC 02-006(e) are cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235.

2.17.5.4 Nature and Extent of Soil and Rock Contamination

Sixteen locations were sampled at AOC 02-006(e). The vertical extent of contamination is not defined for metals, hexavalent chromium, nitrate, PCBs, and radionuclides (plutonium-239/240, tritium, cesium-137, and tritium). Vertical extent is defined for perchlorate, VOCs, and SVOCs (Appendix F). The lateral extent of contamination for AOC 02-006(e) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.17.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-006(e). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.18 Consolidated Unit 02-007-00, Septic System and Soil Contamination

Consolidated Unit 02-007-00 consists of the following SWMUs:

- 02-007, a septic tank and outfall
- 02-009(a), a radioactively contaminated soil area behind the storage building
- 02-009(b), a radioactively contaminated soil area north of the stack-gas valve house
- 02-009(c), a leach field and a radioactively contaminated soil area associated with the condensate trap removal (Plate 1)

SWMU 02-007, Septic Tank and Outfall

SWMU 02-007 is a former septic tank (structure 02-043) and outfall. The septic tank was constructed of reinforced concrete and measured 13 ft long × 8 ft wide × 6 ft deep. The septic system received effluent from drains in the OWR facility (building 02-001).

SWMU 02-009(a), Radioactively Contaminated Soil Area behind Storage Building 02-050

SWMU 02-009(a) is an area of beta/gamma radioactive soil contamination located around a boulder, south of the southeast fence corner east of the former Omega-50 storage building (building 02-050).

SWMU 02-009(b), Radioactively Contaminated Soil Area North of the Stack-Gas Valve House

SWMU 02-009(b) is an area of radioactive soil contamination located north of the former stack-gas valve house (structure 02-019) and the east bridge at TA-02.

SWMU 02-009(c), Leach Field and Radioactively Contaminated Soil Area Identified during Condensate Trap Removal

SWMU 02-009(c) is a leach field and an area of alpha-, beta-, and gamma-emitting radioactively contaminated soil south of the condensate trap [structure 02-048, AOC 02-003(b)].

2.18.1 Historical Site Use

The SWMU 02-007 septic tank and outfall were installed in 1944 and removed in 1985. Overflow from the tank discharged to the stream channel through a 6-in.-diameter VCP. However, the location of the outfall discharge is not known (Elder and Knoell 1986, 006670, p. 26). Laboratory wastes were discharged into the septic system. In 1947, the chemical waste shack (building 02-003, AOC 02-010) was connected to the septic system, as shown in engineering drawing C-1683 (LASL 1944, 090081), and remained connected until the chemical waste shack was decommissioned in 1971 (LASL no date, 034172). The septic tank and overflow outfall and surrounding soils were removed and disposed of in 1986 (Elder and Knoell 1986, 006670, pp. 26-41).

SWMU 02-009(a) was identified in 1986 during D&D of the WBR (Elder and Knoell 1986, 006670, p. 40). No other information regarding the origin of contamination in this SWMU is available (LANL 1990, 007511). A limited amount of soil was removed at the site, and the soil was disposed of in 1986 (Elder and Knoell 1986, 006670, pp. 26–41).

Detectable beta/gamma radioactivity was identified in 1986 when the area of SWMU 02-009(b) was used for truck staging during D&D of the WBR (Elder and Knoell 1986, 006670, p. 40). A limited amount of soil was removed from the site and disposed of (Elder and Knoell 1986, 006670, pp. 26–41).

Radioactive soil contamination was identified at SWMU 02-009(c) during 1985–1986 D&D activities associated with the condensate trap (Elder and Knoell 1986, 006670, pp. 36–40). Two sections of contaminated 6-in.-diameter VCP, one 34 ft long and one 20 ft long and lying parallel to the septic tank overflow pipe, were uncovered during D&D activities at the condensate trap. The pipes were approximately 5 ft below and to either side of the septic tank overflow pipe (Elder and Knoell 1986, 006670, pp. 29–40). The purpose of the pipes is unknown. The pipes were present at depths of 3–8 ft bgs (Elder and Knoell 1986, 006670, pp. 26–41). All structures (pipes) and adjacent soils down to the saturated zone were removed and disposed of during the 1985–1986 D&D activities (Elder and Knoell 1986, 006670, pp. 36–40).

2.18.2 Historical Releases

There were no documented releases from the septic system at SWMU 02-007. It is known that laboratory wastes from the reactor building (02-001) and the chemical waste shack (building 02-003, AOC 02-010) were discharged into the septic system, probably from 1944 to at least 1971.

No releases were documented in the area of SWMU 02-009(a). The origin of soil contamination at SWMU 02-009(a) is not known.

No releases were documented in the area of SWMU 02-009(b). The origin of soil contamination at SWMU 02-009(b) is not known.

No releases were documented in the area of SWMU 02-009(c). The leach field normally would have received effluent from the septic tank, SWMU 02-007.

2.18.3 Relationship to Other SWMUs and AOCs

The septic tank (SWMU 02-007) and the leach field [SWMU 02-009(c)] are located near AOCs 02-003(a), 02-003(b), and 02-003(e) but were not known to be directly connected to those structures. The septic system received effluent from drains in the OWR building [AOC 02-004(a)] and the chemical waste shack (AOC 02-010).

The gaseous effluent vent line (line 119) passed through the area identified as SWMU 02-009(a), but it is not known whether the line was the source of the soil contamination.

AOC 02-003(d), the garden hose discharge area, is located approximately 50 ft to the north of SWMU 02-009(b). AOC 02-009(d), another soil contamination area, is located immediately to the west.

The former condensate trap, AOC 02-003(b), was located within the area identified as SWMU 02-009(c). The SWMU 02-009(c) leach field received effluent from the former septic tank, SWMU 02-007.

2.18.4 Summary of Previous Investigations

2.18.4.1 SWMU 02-007, Septic Tank and Outfall

1985 WBR Decommissioning Project, Phase I

During Phase I of the TA-02 WBR decommissioning project, the septic tank and overflow drain were removed and disposed of at TA-54 (Elder and Knoell 1986, 006670, p. 43). A sludge sample collected from the tank was screened and showed no detectable radionuclide activity. A 6-in.-diameter clay drainline from the septic tank overflow to the stream was also discovered during D&D activities. It was removed from depths of 3–8 ft bgs where it angled across the area east of the septic tank. No activity above site background was detected at the time the clay line was removed (Elder and Knoell 1986, 006670, p. 26).

No samples were collected from the septic tank area. Samples collected in the area of the tank overflow drain are addressed under SWMU 02-009(c).

2.18.4.2 SWMU 02-009(a), Radioactively Contaminated Soil Area behind Storage Building 02-050

1985 WBR Decommissioning Project, Phase I

During Phase I of the TA-02 WBR decommissioning project, a radioactively contaminated soil area (Plate 1) was discovered and included in soil removal activities. The area was excavated to a depth of 6 ft bgs across the downhill face of a large boulder. The remaining soil had screening results below predetermined cleanup levels. Another nearby contamination area uphill from the boulder was also discovered, but this soil could not be removed at that time. The location was flagged and logged for future decontamination (Elder and Knoell 1986, 006670, p. 40). All removed material was transported to TA-54 (Elder and Knoell 1986, 006670, p. 16).

1995 Investigation Activities

Samples were collected from locations within the soil contamination area. Supporting QA/QC information is not available for these samples, so they are not included in this report.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work project, a portion of the soil area near the large boulder was included in soil removal activities. This area was excavated by hand until no areas with elevated radionuclide screening levels were identified. Surveys of the excavation area were hampered by radiation from contamination on the nearby boulder. The boulder was moved to allow access for soil removal. The total volume of soil removed during the project was approximately 58 yd^3 (LANL 2001, 070352, p. 16). Ten confirmatory samples were collected from four locations (02-01259, 02-01260, 02-01263, and 02-01264) (Plate 2) after the soil was removed (LANL 2001, 070352, p. 17). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.18.4.3 SWMU 02-009(b), Radioactively Contaminated Soil Area North of the Stack-Gas Valve House

1985 WBR Decommissioning Project, Phase I

During the 1985 decommissioning project, a radiological walk-over survey was conducted across the area. Several contaminated debris items were identified in the shallow subsurface; the most notable was 30 ft of 1-in. stainless-steel piping routed along the north-south fence (Plate 1). The source and destination of the pipe are unknown. Local radionuclide contamination remained in this area but was not addressed at the time. This area was also used as a truck staging area during decontamination operations. Project closeout walkover surveys indicated elevated radionuclide activity, prompting the placement of a 6-in. layer of topsoil cover (Elder and Knoell 1986, 006670, p. 40). All removed material (stainless-steel piping) was transported to TA-54 (Elder and Knoell 1986, 006670, p. 16).

1995 Investigation Activities

Samples were collected from two locations within the contamination area. Supporting QA/QC information is not available for these samples, so they are not included in this report.

2000 Post–Cerro Grande Recovery Work

As part of the post–Cerro Grande fire recovery work, samples were collected from two boreholes (locations 02-01243 and 02-01244) near the previous screening-level data sample locations (Plate 2).

Field screening of recovered cores indicated no elevated radionuclide levels (LANL 2001, 070352, p. 8). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.18.4.4 SWMU 02-009(c), Leach Field and Radioactively Contaminated Soil Area Identified during Condensate Trap Removal

1985 WBR Decommissioning Project, Phase I

During D&D activities in 1985, excavation and removal of the condensate trap (structure 02-048), the septic tank (structure 02-043) and the septic tank VCP overflow drainpipe led to the discovery of the SWMU 02-009(c) leach field (Elder and Knoell 1986, 006670) (Plate 1). The leach field was found east of the condensate trap, approximately 2 ft below the route of the septic tank VCP overflow drainpipe that discharged to Los Alamos Creek. The leach field consisted of two sections of 6-in.-diameter VCP laid in a bed of rock and sand. The VCP and contaminated soil, sand, and crushed rock were removed. The VCP within the leach field and at Los Alamos Creek was broken by the backhoe bucket and removed directly with the soil (Elder and Knoell 1986, 006670, pp. 14–15, 29–40). The material was removed, screened, and segregated using field screening instruments. Material that passed screening was used as backfill (Elder and Knoell 1986, 006670, p. 21). Excavation of the leach field area (an area approximately 22 ft wide $\times$ 83 ft long, approximately 50 ft east of the condensate trap) extended along the former drainline down to Los Alamos Creek (Plate 1). Soil was removed from the surface to the groundwater interface in some areas (Elder and Knoell 1986, 006670, pp. 36–39).

1995 Investigation Activities

Sixteen samples were collected from seven boreholes (locations 02-01140 through 02-01143 and 02-01146 through 02-01148) (Plate 2) across the leach field in 1995. Samples were collected from various depths to evaluate soil left in place following the 1986 D&D activities. Table 1.3-2 lists the samples collected and the analyses requested for each.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work, 45 samples were collected from 12 boreholes (locations 02-01225 through 02-01234) from various depths throughout the leach field (Plate 2). Sample coordinates are not available for two locations (02-01235 and 02-01236), and the data cannot be accurately represented; therefore, the data from those two locations are not usable and are not included in this report. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.18.5 Site Contamination

2.18.5.1 Soil and Rock Sampling

Samples were collected in 2007 at Consolidated Unit 02-007-00, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods. Table 1.3-2 lists the samples collected and the analyses requested for each.

One hundred ninety-three samples (68 soil, 88 alluvium, 6 sediment, and 30 tuff), plus 21 field duplicates, were collected in 2007 from 64 locations at Consolidated Unit 02-007-00. Data from the samples

collected in 2007 were combined with data from samples from previous investigations. The final data set includes 269 samples (119 soil/fill, 89 alluvium, 8 sediment, and 53 tuff), plus 21 field duplicates, collected in 1995, 2000, and 2007 from 87 locations in Consolidated Unit 02-007-00, with a maximum sample depth of 24.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.18.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-007. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.18.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at Consolidated Unit 02-007-00 (Figure F-2.17-1). Table 2.18-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at Consolidated Unit 02-007-00 is presented in Appendix F, section F-2.17.1. The inorganic chemicals identified as COPCs for Consolidated Unit 02-007-00 are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, uranium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at Consolidated Unit 02-007-00 (Figure F-2.17-2). Table 2.18-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at Consolidated Unit 02-007-00 is presented in Appendix F, section F-2.17.3. The organic chemicals identified as COPCs for Consolidated Unit 02-007-00 are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;

- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- butylbenzylphthalate;
- chloroform;
- chloromethane;
- chrysene;
- di-n-butylphthalate;
- dibenzofuran;
- 1,4-dichlorobenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- pentachlorophenol;
- phenanthrene;
- phenol;
- pyrene;
- styrene;
- toluene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- 1,2-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at Consolidated Unit 02-007-00 (Figure F-2.17-3). Table 2.18-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at Consolidated Unit 02-007-00 is presented in Appendix F, section F-2.17.4. The radionuclides identified as COPCs for Consolidated Unit 02-007-00 are americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

2.18.5.4 Nature and Extent of Soil and Rock Contamination

Eighty-seven locations were sampled at Consolidated Unit 02-007-00. The vertical extent of contamination is not defined for metals, nitrate, PCBs, SVOCs, and radionuclides (americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238). Vertical extent is defined for VOCs (Appedix F). The lateral extent of contamination for most of Consolidated Unit 02-007-00 is not defined. The lateral extent of contamination is not defined on the west/southwest side of the SWMU 02-009(a) portion of the consolidated unit. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.18.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at Consolidated Unit 02-007-00. The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.19 SWMU 02-008(a), Outfall (National Pollutant Discharge Elimination System-Permitted Cooling Tower Outfall)

SWMU 02-008(a) is a former National Pollutant Discharge Elimination System (NPDES) permitted outfall (EPA 03A020) that discharged cooling water from the OWR cooling tower (structure 02-049) (Plate 1).

The SWMU 02-008(a) outfall was also identified as AOC 02-011(e), NPDES-permitted outfall EPA 03A020. All discussions regarding outfall EPA 03A020 are addressed under SWMU 02-008(a) (LANL 1990, 007511). Therefore, all activities associated with AOC 02-011(e) are addressed under SWMU 02-008(a).

2.19.1 Historical Site Use

The cooling tower became an operational component of the OWR system in 1957. The cooling tower facility began use of potassium dichromate to control aluminum heat exchanger corrosion in 1959. The aluminum heat exchangers were replaced by stainless-steel ones in 1975, thus eliminating the use of potassium dichromate. A shutdown of the OWR in 1993 placed the cooling tower on standby status; in 1995, all liquid waste was drained from the system (LANL 2003, 082646, p. 2). In 2000, the cooling tower structure and equipment were decommissioned and removed (LANL 2000, 090087). In 2003, the remaining buried pipes and drains were removed and disposed of (LANL 2003, 082646, pp. 26–31). The outfall (EPA 03A020) was removed from the Laboratory's NPDES permit in July 199(LANL 1990, 007511).

2.19.2 Historical Releases

There were no unplanned releases from SWMU 02-008(a), but routine operational discharges from the outfall occurred between 1957 and 1993. Discharges between 1957 and 1975 may have contained potassium dichromate or related chemicals.

2.19.3 Relationship to Other SWMUs and AOCs

The cooling tower was used to cool water used in the OWR facility, AOC 02-004(a). The water was directed through the OWR equipment building, AOC 02-004(f), before reaching the cooling tower. No other SWMUs or AOCs are directly related to AOC 02-008(a).

2.19.4 Summary of Previous Investigations

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work in July 2000, the cooling tower (structure 02-049) was decommissioned, removed, and disposed of. The underground piping associated with the cooling tower was capped and left in place until the remainder of the site was decommissioned and the material was disposed of. Surface soil samples were collected from across the area. However, survey coordinates were not collected for the sample locations, and accurate information is not available for these locations. Data from these locations are not useable, and they are not presented in this report.

A sample was collected from one location (02-01249) (Plate 2) in September 2000. Table 1.3-2 lists the sample collected and the analyses requested.

2003 Omega West Decommissioning Project

SWMU 02-008(a) piping was removed in 2003, and the waste was disposed of at an approved facility. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from the OWR cooling tower (structure 02-049) outfall was included in this total volume (LANL 2003, 082646, pp. 1-6). The volume of waste material specifically associated with SWMU 02-008(a) was not documented.

No soil samples were collected from SWMU 02-008(a) during the D&D activities in 2003.

2.19.5 Site Contamination

2.19.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at SWMU 02-008(a), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Fifteen samples (five soil, seven alluvium, and three tuff), plus two field duplicates, were collected in 2007 from four locations at SWMU 02-008(a). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 16 samples (5 soil, 7 alluvium, 1 sediment, and 3 tuff), plus 2 field duplicates, collected in 2000 and 2007 from five locations at SWMU 02-008(a), with a maximum sample depth of 16.0 ft bgs. The samples were analyzed for inorganic

chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.19.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-008(a). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.19.5.3 Soil and Rock Sample Analytical Results

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at SWMU 02-008(a) (Figure F-2.18-1). Table 2.19-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at SWMU 02-008(a) is presented in Appendix F, section F-2.18.1. The inorganic chemicals identified as COPCs for SWMU 02-008(a) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, nitrate, selenium, silver, thallium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at SWMU 02-008(a) (Figure F-2.18-2). Table 2.19-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at SWMU 02-008(a) is presented in Appendix F, section F-2.18.3. The organic chemicals identified as COPCs for SWMU 02-008(a) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; methylene chloride; phenanthrene; pyrene; styrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at SWMU 02-008(a) (Figure F-2.18-3). Table 2.19-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at SWMU 02-008(a) is presented in Appendix F, section F-2.18.4. The radionuclides identified as COPCs for SWMU 02-008(a) are cesium-137, plutonium-239/240, tritium, and uranium-235.

2.19.5.4 Nature and Extent of Soil and Rock Contamination

Five locations were sampled at SWMU 02-008(a). The vertical extent of contamination is not defined for metals, nitrate, SVOCs, VOCs, and radionuclides (cesium-137, plutonium-239/240, uranium-235, and tritium). The vertical extent is defined for hexavalent chromium and PCBs (Appendix F). The lateral extent of contamination for SWMU 02-008(a) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.19.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at SWMU 02-008(a). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.20 AOC 02-008(c), Outfall (OWR Basement Drainlines and Outfalls)

AOC 02-008(c) consists of two specific areas: outfall drains AOCs 02-008(c)(i) and 02-008(c)(ii). The outfall drains were two unpermitted outfalls that received OWR building (02-001) basement groundwater seepage (Plate 1).

2.20.1 Historical Site Use

In 1985, the AOC 02-008(c)(i) outfall drain was created to discharge groundwater seepage from the basement of the OWR building (02-001) basement sump to Los Alamos Creek, as shown in engineering drawing C-39551 (LASL 1971, 089682). In 1988, the AOC 02-008(c)(i) outfall drain became plugged and was abandoned in place. A second drainline was installed, and the outfall of AOC 02-008(c)(ii) was created approximately 100 ft west of the original outfall (LANL 1993, 015314, p. 7.9-1). Both drainpipes and outfall were removed and disposed of during D&D activities in 2003 (LANL 2003, 082646, pp. 26-31).

2.20.2 Historical Releases

There were no documented releases from AOC 02-008(c). Routine discharges of water from the OWR building basement may have occurred between 1985 and 2003.

2.20.3 Relationship to Other SWMUs and AOCs

The AOC 02-006(c) sewer line connected the AOC 02-008(c)(ii) drainline to building 02-001.

2.20.4 Summary of Previous Investigations

1995 Investigation Activities

One sample was collected from location 02-01154 at AOC 02-008(c) in 1995 (Plate 2). Table 1.3-2 lists the sample collected and the analyses requested.

2000 Post–Cerro Grande Recovery Work

Soil samples were collected from two locations (02-01252 and 02-01253) at SWMU 02-008(c) during post–Cerro Grande recovery activities in 2000 (Plate 2). Table 1.3-2 lists the samples collected and the analyses requested for each.

2003 Omega West Decommissioning Project

AOC 02-008(c) piping was removed and disposed of at an approved off-site facility during the 2003 decommissioning activities. Activities included soil excavation, radiological walk-over surveys, and radiological screening. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from the AOC 02-008(c)(i) outfall was included in this total volume (LANL 2003, 082646, pp. 1-6, p. 24).

No soil samples were collected from AOC 02-008(c)(i) during Omega West decommissioning project activities in 2003.

2.20.5 Site Contamination

2.20.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-008(c), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Nine samples (four soil, three alluvium, and two tuff), plus two field duplicates, were collected in 2007 from four locations at AOC 02-008(c). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 12 samples (5 soil, 3 alluvium, 2 sediment, and 2 tuff), plus 2 field duplicates, collected in 1995, 2000, and 2007 from seven locations at AOC 02-008(c), with a maximum sample depth of 21.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.20.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-008(c). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.20.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemical were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-008(c) (Figure F-2.19-1). Table 2.20-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-008(c) is presented in Appendix F, section F-2.19.1. The inorganic chemicals identified as COPCs for AOC 02-008(c) are aluminum, arsenic, barium, chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-008(c) (Figure F-2.19-2). Table 2.20-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-008(c) is presented in Appendix F, section F-2.19.3. The organic chemicals identified as COPCs for AOC 02-008(c) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; 4-isopropyltoluene; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; and toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-008(c) (Figure F-2.19-3). Table 2.20-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-008(c) is presented in Appendix F, section F-2.19.4. The radionuclides identified as COPCs for AOC 02-008(c) are cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235.

2.20.5.4 Nature and Extent of Soil and Rock Contamination

Seven locations were sampled at AOC 02-008(c). The vertical extent of contamination is not defined metals, PCBs, SVOCs, and radionuclides (plutonium-239/240, tritium, and uranium-235). Vertical extent is defined for perchlorate, nitrate, VOCs, cesium-137, and strontium-90 (Appendix F). The lateral extent of contamination for AOC 02-008(c) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.20.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-008(c). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.21 AOC 02-009(d), Soil Contamination

AOC 02-009(d) is an area of radioactive soil contamination located near the east end of the OWR building (02-001) (Plate 1). Beta and gamma radioactivity were identified during decommissioning and removal of inactive WBR structures at TA-02 during 1985 and 1986. The source of contamination at AOC 02-009(d) is unknown (LANL 1990, 007511).

2.21.1 Historical Site Use

There is no known historical use of the area included in AOC 02-009(d).

2.21.2 Historical Releases

There were no documented releases from AOC 02-009(d), but radionuclide releases of unknown origin occurred before 1985 when the soil contamination was identified.

2.21.3 Relationship to Other SWMUs and AOCs

AOC 02-009(d) is located immediately east of the former OWR facility, AOC 02-004(a), and immediately north of the former boiler house and the former chemical waste shack (AOC 02-010). The former drainline of AOC 02-011(a)(x) passed through the area, as did former line 117, AOC 02-003(a). There is no known connection between these AOCs and the soil contamination area.

2.21.4 Summary of Previous Investigations

1995 Investigation Activities

Analytical data were obtained from samples collected at locations within the soil contamination area. Supporting QA/QC information is not available for these samples, so these data are not included in this report.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work, one borehole (location 02-01245) was drilled just north of the former boiler house (building 02-063) (Plate 2). Four samples were collected to a depth of 15.5 ft bgs. Field screening of recovered cores indicated no elevated radionuclide levels (LANL 2001, 070352, p. 8). Table 1.3-2 lists the samples collected and the analyses requested for each.

2.21.5 Site Contamination

2.21.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-009(d), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Thirty-four samples (11 soil, 21 alluvium, and 2 tuff), plus 5 field duplicates, were collected in 2007 from 11 locations at AOC 02-009(d). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 38 samples (14 soil, 21 alluvium, and 3 tuff), plus 5 field duplicates, collected in 2000 and 2007 from 12 locations at AOC 02-009(d), with a maximum sample depth of 19.2 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.21.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-009(d). No radiological screening results exceeded twice the daily site background

levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.21.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-009(d) (Figure F-2.20-1). Table 2.21-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-009(d) is presented in Appendix F, section F-2.20.1. The inorganic chemicals identified as COPCs for AOC 02-009(d) are aluminum, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and vanadium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-009(d) (Figure F-2.20-2). Table 2.21-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-009(d) is presented in Appendix F, section F-2.20.3. The organic chemicals identified as COPCs for AOC 02-009(d) are

- acenaphthene;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- chrysene;
- di-n-butylphthalate;
- 1,4-dichlorobenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- 2-methylnaphthalene;

- naphthalene;
- phenanthrene;
- pyrene;
- styrene;
- toluene; and
- 1,3-xylene + 1,4-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-009(d) (Figure F-2.20-3). Table 2.21-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-009(d) is presented in Appendix F, section F-2.20.4. The radionuclides identified as COPCs for AOC 02-009(d) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235.

2.21.5.4 Nature and Extent of Soil and Rock Contamination

Twelve locations were sampled at AOC 02-009(d). The vertical extent of contamination is not defined for metals, nitrate, perchlorate, and tritium. Vertical extent is defined for PCBs, VOCs, SVOCs, and radionuclides (americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, uranium-234, and uranium-235) (Appendix F). The lateral extent of contamination for AOC 02-009(d) is not defined on the east, south, and west sides because other sites [AOCs 02-004(a), 02-009(b), 02-010, and 02-011(a)] are located adjacent to it and have similar COPCs. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.21.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-009(d). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.22 AOC 02-009(e), Duplicate of SWMU 02-009(c)

AOC 02-009(e) is a duplicate of SWMU 02-009(c), which is discussed with Consolidated Unit 02-007-00 in section 2.18.

2.23 AOC 02-010, Soil Contamination (Former Chemical Waste Shack)

AOC 02-010 is residual soil contamination associated with a small chemical handling building (the chemical waste shack, 02-003) that contained a small underground chamber for working with various radioactive and chemical materials (Plate 1).

2.23.1 Historical Site Use

The chemical waste shack was built in 1944, according to engineering drawing C-1686 (LASL 1944, 090084), and was decommissioned, removed, and disposed of in 1971 (LASL no date, 034172). It is not known if soil was removed when the AOC 02-010 structures were removed (LASL no date, 034172). A boiler house (building 02-063) was built in the area after the chemical waste shack was removed in 1971.

2.23.2 Historical Releases

There are no known documented releases at AOC 02-010.

2.23.3 Relationship to Other SWMUs and AOCs

The former sewer line, AOC 02-006(c), ran from west to east immediately south of the chemical waste shack. A drainline, AOC 02-011(a)(x), ran from north to south immediately west of the chemical waste shack and the boiler house. An area of soil contamination, AOC 02-009(d), is located immediately north of AOC 02-010.

2.23.4 Summary of Previous Investigations

1985 WBR Decommissioning Project, Phase I

During the TA-02 WBR decommissioning project, the removal of the underground chamber (structure 02-032) associated with the chemical waste shack (building 02-003) required extensive excavation and backfilling. No radioactivity was detected in the soil beneath the underground structure (Elder and Knoell 1986, 006670, p. 22). No soil samples were collected at the chemical waste shack site during the D&D activities.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work, samples were collected from one borehole (location 02-01246) east of the boiler house (building 02-063) and centered on the east wall (Plate 2). The boiler house was situated on the former location of the chemical waste shack (building 02-003). The borehole was drilled at a 45-degree angle and targeted the sediment/tuff contact beneath the building. Field screening of recovered cores indicated no elevated radionuclide levels (LANL 2001, 070352, p. 10). Table 1.3-2 lists the samples collected and the analyses requested for each.

2003 Omega West Decommissioning Project

The piping and remaining structures associated with the boiler house (building 02-063) located at AOC 02-010 were decommissioned and removed in 2003, and the waste was disposed of at an appropriate disposal facility. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from AOC 02-010 was included in this total volume (LANL 2003, 082646, pp. 1-6, p. 24). The volume of waste material specifically associated with AOC 02-010 was not documented.

Eight samples were collected from four boreholes (locations 02-22350 and 02-22389 through 02-22391) (Figure 3.1-1) in 2003. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.23.5 Site Contamination

2.23.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-010, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Fifty-two samples (14 soil, 18 alluvium, and 20 tuff), plus 7 field duplicates, were collected in 2007 from 14 locations at AOC 02-010. Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 65 samples (26 soil, 18 alluvium, and 21 tuff), plus 7 field duplicates, collected in 2000, 2003, and 2007 from 19 locations at AOC 02-010, with a maximum sample depth of 39.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.23.5.2 Soil and Rock Sample Field-Screening Results

Organic vapors were detected at more than 10 ppm above ambient air during headspace (PID) screening of samples from the deepest planned intervals (LANL 2006, 092571.12) at two locations at AOC 02-010. The boreholes at locations 02-600632 and 02-600638 were extended an additional 10 ft and additional samples were collected. Screening of the additional samples did not detect organic vapors. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4.

2.23.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-010 (Figure F-2.22-1). Table 2.23-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-010 is presented in Appendix F, section F-2.22.1. The inorganic chemicals identified as COPCs for AOC 02-010 are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-010 (Figure F-2.22-2). Table 2.23-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-010 is presented in Appendix F, section F-2.22.3. The organic chemicals identified as COPCs for AOC 02-010 are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- phenanthrene;
- pyrene; and
- toluene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-010 (Figure F-2.22-3). Table 2.23-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-010 is presented in Appendix F, section F-2.22.4. The radionuclides identified as COPCs for AOC 02-010 are americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

2.23.5.4 Nature and Extent of Soil and Rock Contamination

Nineteen locations were sampled at AOC 02-010. The vertical extent of contamination is not defined for metals, nitrate, PCBs, and radionuclides (americium-241, cesium-137, strontium-90, tritium, uranium-234, uranium-235, and uranium-238). Vertical extent is defined for perchlorate, VOCs, and SVOCs (Appendix F). The lateral extent of contamination for AOC 02-010 is not defined. Lateral extent is defined on the south side by the main channel of Los Alamos Creek. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.23.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-010. The screening assessment results indicated that the concentrations of cesium-137 are contributing to a total dose in excess of the target level. The locations with elevated cesium-137 concentrations resulting in the excess total dose will be remediated. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.24 AOC 02-011(a), Storm Drains

AOC 02-011(a) consists of 11 drain segments and associated outfalls across TA-02. These individual segments drain either directly or indirectly to Los Alamos Creek (Plate 1).

The following drains are associated with this AOC.

(i) An approximately 50-ft-long concrete storm drain (also described as a concrete flume), located northwest of the OWR building that drains into a drop inlet/catch basin (structure 02-36), as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086)—There is no information indicating that the drain handled anything but stormwater.

(ii) A 24-in.-diameter, 8-ft-long underground corrugated metal pipe (CMP) between catch basin 02-036 and catch basin 02-027, as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086)—There is no information that the drain handled anything but stormwater.

(iii) An 85 ft-long concrete storm drain (e.g., concrete flume) located northwest of the OWR building (02-001) that drains into catch basin 02-027, as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086)—The drain was reportedly used periodically for discharge of water from the fuel transfer pit (DOE 1987, 008663).

(iv) A 15-in.-diameter, 15-ft-long concrete storm drain west of the OWR building that drains into catch basin 02-028, as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086)—There is no information that the drain handled anything but stormwater.

(v) A 24-in.-diameter, 30-ft-long concrete storm drain between catch basins 02-027 and 02-028, as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086)—This drain may have handled the fuel transfer pit water coming from the concrete flume, with associated contaminated aluminum shards.

(vi) A 30-in.-diameter, 75-ft-long CMP between a catch basin (structure 02-028) and Los Alamos Creek, as shown in engineering drawing R-5102, sheet 2 of 2 (LANL 1983, 090086). This drain may have handled the fuel transfer pit water coming from the concrete flume, with associated contaminated aluminum shards.

(vii) A 6-in.-diameter, 18-ft-long pipe between OWR building and the salvage basin (structure 02-026) and Los Alamos Creek—AOC 02-011(a)(vii) is a duplicate of AOC 02-006(e), as noted in the 1990 SWMU report (LANL 1990, 007511). This drain is addressed as AOC 02-006(e) throughout this report.

(viii) An 18-in.-diameter, 75-ft-long CMP between the OWR building catch basin (unnumbered structure within building 02-001) and Los Alamos Creek, as shown in engineering drawing C-1699 (LASL 1946, 090070)—There is no information that this drain handled anything but stormwater runoff.

(ix) A 3-in.-diameter, 75-ft-long pipe between the OWR building and the outfall to Los Alamos Creek—Wastewater system design memoranda (Heineman 1990, 089739) indicate that floor drains from the eastern side of the WBR area drained to this outfall before 1990.

(x) A 12-in.-diameter, 30-ft--ong storm drain northeast of the OWR building that discharged to Los Alamos Creek through a series of concrete ditches and CMP along the east side of the OWR building, as shown in engineering drawing C-1718 (LASL 1947, 089677)—The total length of the drain and ditches to Los Alamos Creek is approximately 130 ft. The drains and concrete ditches remained in place until they were removed during D&D activities in 2003 (LANL 2003, 082646, pp. 26-31).There is no information that this drain handled anything but stormwater.

(xi) A 4-in.-diameter, 95-ft-long pipe between the OWR building and Los Alamos Creek—AOC 02-011(a)(xi) is a duplicate of the OWR acid waste line [SWMU 02-006(b)]. AOC 02-011(a)(xi) is addressed as SWMU 02-006(b) throughout this report.

2.24.1 Historical Site Use

The drains in AOC 02-011(a) date from approximately the time of construction of the reactor building in 1944. Drains from operational areas of the facility may have received effluent until the 2003 D&D of the OWR facility, although the reactor was inactive from 1993 to 2003. Several of the drains were removed in either the 2000 or 2003 D&D activities, but five of the drains, or some portion of them, remained in place (LANL 2003, 082646, pp. 26-31).

2.24.2 Historical Releases

There were no documented releases from the drains in AOC 02-011(a), but undocumented operational releases may have occurred.

2.24.3 Relationship to Other SWMUs and AOCs

The drains in AOC 02-011(a) were at multiple locations across TA-02 and were connected to or in proximity to the reactor building [02-001, AOC 02-004(a)], the OWR equipment building [02-044, AOC 02-004(f)], the boiler house (building 02-063, AOC 02-010), and the chemical waste shack (building 02-003, AOC 02-010).

2.24.4 Summary of Previous Investigations

2.24.4.1 AOC 02-011(a)(i)

1995 Investigation Activities

One soil sample was collected from the catch basin (structure 02-036) (location 02-01157) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2.24.4.2 AOC 02-011(a)(iii)

1995 Investigation Activities

One soil sample was collected from the catch basin (structure 02-027) (location 02-01158) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2.24.4.3 AOC 02-011(a)(iv)

1995 Investigation Activities

One soil sample was collected from the catch basin (structure 02-028) (location 02-01159) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2.24.4.4 AOC 02-011(a)(vi)

1995 Investigation Activities

One soil sample was collected from Los Alamos Creek at the AOC 02-011(a)(vi) outfall (location 02-01149) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2.24.4.5 AOC 02-011(a)(viii)

1995 Investigation Activities

One sediment sample was collected from Los Alamos Creek at the AOC 02-011(a)(viii) outfall (location 02-01152) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2000 Post–Cerro Grande Recovery Work

One sediment sample was collected from Los Alamos Creek at the AOC 02-011(a)(viii) outfall (location 02-01152) (Plate 2) in 2000. The sampling location was the same as that sampled in 1995; however, the sampling interval differed. Table 1.3-2 lists the sample collected and analyses requested.

2003 Omega West Decommissioning Project

AOC 02-011(a)(viii) piping was decommissioned and removed, and the waste was disposed of at an approved disposal facility. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the

AOC 02-011(a)(viii) storm drain was included in this total volume (LANL 2003, 082646, pp. 1-6), but the specific volume of material associated with this drain was not documented.

Ten samples were collected from five boreholes at AOC 02-011(a)(viii) (locations 02-22351, 02-22352, and 02-22372 through 02-22374) (Plate 2) in 2003. Table 1.3-2 lists the samples collected and analyses requested for each.

2.24.4.6 AOC 02-011(a)(ix)

1995 Investigation Activities

One sediment sample was collected from Los Alamos Creek at the AOC 02-011(a)(ix) outfall (location 02-01150) (Plate 2) in 1995. Table 1.3-2 lists the sample collected and analyses requested.

2003 Omega West Decommissioning Project

AOC 02-011(a)(ix) piping was removed, and the waste was disposed of at an approved facility. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the AOC 02-011(a)(ix) storm drain was included in this total volume (LANL 2003, 082646, pp. 1-6), but the specific volume of material associated with this drain was not documented.

Four samples were collected from two boreholes at AOC 02-011(a)(ix) (locations 02-22349 and 02-22367) (Plate 2) in 2003. Table 1.3-2 lists the samples collected and analyses requested for each.

2.24.4.7 AOC 02-011(a)(x)

1995 Investigation Activities

One sediment sample was collected from Los Alamos Creek at the AOC 02-011(a)(x) outfall (location 02-01153) (Plate 2) in 1995. Four samples were collected from one borehole (location 02-01162) (Plate 2) in 1995. Table 1.3-2 lists the samples collected and analyses requested for each.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work, two samples were collected from location 02-01153 (Plate 2). The sampling location was the same as that sampled in 1995; however, the sampling intervals differed. Table 1.3-2 lists the samples collected and analyses requested for each.

2003 Omega West Decommissioning Project

AOC 02-011(a)(x) piping and concrete was decommissioned and removed, and the waste was disposed of at an approved facility. Limited soil radiological surveys were conducted; however, no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the

AOC 02-011(a)(x) storm drain was included in this total volume (LANL 2003, 082646, pp. 1-6), but the specific volume of material associated with this drain was not documented.

Ten samples were collected from five boreholes at AOC 02-011(a)(x) (locations 02-22346 through 02-22348, 02-22368, and 02-22380) (Plate 2) in 2003. Table 1.3-2 lists the samples collected and analyses requested for each.

2.24.5 Site Contamination

2.24.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-011(a), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

One hundred twenty-two samples (40 soil, 46 alluvium, and 36 tuff), plus 17 field duplicates, were collected in 2007 from 40 locations at AOC 02-011(a). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 162 samples (68 soil, 46 alluvium, 8 sediment, and 40 tuff), plus 17 field duplicates, collected in 1995, 2000, 2003, and 2007 from 60 locations at AOC 02-011(a), with a maximum sample depth of 30.0 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.24.5.2 Soil and Rock Sample Field-Screening Results

Organic vapors were detected at more than 10 ppm above ambient air during headspace (PID) screening of samples from the deepest planned intervals (LANL 2006, 092571.12) at three locations at AOC 02-011(a)(ix,x). The boreholes at locations 02-600432, 02-600445, and 02-600661 were extended an additional 10 ft and additional samples were collected. Screening of the additional samples did not detect organic vapors. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4.

2.24.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-011(a) (Figure F-2.23-1). Table 2.24-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-011(a) is presented in Appendix F, section F-2.23.1. The inorganic chemicals identified as COPCs for AOC 02-011(a) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), hexavalent chromium, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-011(a) (Figure F-2.23-2). Table 2.24-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-011(a) is presented in Appendix F, section F-2.23.3. The organic chemicals identified as COPCs for AOC 02-011(a) are

- acenaphthene;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor--260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;

- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran;
- toluene;
- TPH-DRO;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- 1,2-xylene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-011(a) (Figure F-2.23-3). Table 2.24-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-011(a) is presented in Appendix F, section F-2.23.4. The radionuclides identified as COPCs for AOC 02-011(a) are americium-241, cesium-134, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, and uranium-235.

2.24.5.4 Nature and Extent of Soil and Rock Contamination

Sixty locations were sampled at AOC 02-011(a). The vertical extent of contamination is not defined for metals, nitrate, PCBs, SVOCs, and radionuclides (cesium-134, cesium-137, plutonium-239/240, tritium, and uranium-235). Vertical extent is defined for perchlorate, VOCs, dioxin/fuan congeners, americium-241, and cobalt-60 (Appendix F). The lateral extent of contamination for most of AOC 02-011(a) is not defined. The lateral extent of contamination on the north side of the site is defined by the steep north slope of Los Alamos Canyon. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.24.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-011(a). The screening assessment results indicated that the concentrations of PAHs and PCBs are contributing to a cancer risk in excess of the target level. The locations where PCB concentrations are greater than industrial SSLs should be remediated. The locations where elevated polycyclic armomatic hydrocarbon (PAH) concentrations are contributing to the excess cancer risk will be remediated. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.25 AOC 02-011(b), Former Drainlines

AOC 02-011(b) consists of two drains and outfalls associated with the stack-gas valve house (structure 02-019) (Plate 1). One drain was a 9-ft-long × 15-in. diameter CMP between the stack-gas valve house and the catch basin (structure 02-035). The second drain was a 9-ft-long × 24-in.-diameter CMP that drained from the catch basin (structure 02-035) to Los Alamos Creek outside the east fence. The drains and structures are shown in engineering drawing C-1718 (LASL 1947, 089677).

2.25.1 Historical Site Use

The drains and outfalls were presumably installed at the same time the stack-gas valve house [AOC 02-003(a)] was constructed in 1944. The stack-gas valve house was in use through 1974 when it became inactive and was removed during 1985 D&D activities. The actual purpose of the drainlines and catch basin is not documented. The drains and outfalls remained in place until they were removed and disposed of during 2003 D&D activities (LANL 2003, 082646).

2.25.2 Historical Releases

There were no documented releases from AOC 02-011(b). During the 1985 D&D activities, the catch basin was surveyed and described as not contaminated (Elder and Knoell 1986, 006670, p. 6).

2.25.3 Relationship to Other SWMUs and AOCs

The drains and outfalls were connected to the stack-gas valve house, AOC 02-003(a), and ran parallel to line 118 [also part of AOC 02-003(a)]. The holding tank, AOC 02-003(e), was located near the upper ends of the drainlines.

2.25.4 Summary of Previous Investigations

1995 Investigation Activities

Six soil and tuff samples were collected from locations 02-01107 and 02-01110 within the drain and outfall areas (Plate 2). The samples were analyzed only for radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2000 Post–Cerro Grande Recovery Work

Five samples were collected from one borehole (location 02-01239) drilled in the approximate area of the bend in the outfall pipe (Plate 2). The samples were analyzed for radionuclides and TAL metals. Field

screening of recovered core indicated no radioactivity above site background (LANL 2001, 070352, p. 7). Table 1.3-2 lists the samples collected and the analyses requested for each.

Inorganic chemicals and radionuclides were detected above background in samples from 1995 to 2000. Because the nature and extent of contamination were not defined and because no organic chemical analyses were performed, the approved 2006 investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416) proposed the collection of additional samples at AOC 02-011(b).

2.25.5 Site Contamination

2.25.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-011(b), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Nine samples (one soil, three alluvium, four sediment, and one tuff) were collected from five locations in 2007. Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 20 samples (5 soil, 3 alluvium, 5 sediment, and 7 tuff) collected from eight locations at AOC 02-011(b) in 1995, 2000, and 2007, with a maximum sample depth of 16.7 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.25.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-011(b). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.25.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-011(b) (Figure F-2.19-1). Table 2.25-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-011(b) is presented in Appendix F, section F-2.24.1. The inorganic chemicals identified as COPCs for AOC 02-011(b) are aluminum, cadmium, chromium, hexavalent chromium, iron, mercury, nitrate, selenium, uranium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-011(b) (Figure F-2.19-2). Table 2.25-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-011(b) is presented in Appendix F, section F-2.24.3. The organic chemicals identified as COPCs for AOC 02-011(b) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; 2-methylnaphthalene; naphthalene; phenanthrene; and pyrene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-011(b) (Figure F-2.19-3). Table 2.25-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-011(b) is presented in Appendix F, section F-2.24.4. The radionuclides identified as COPCs for AOC 02-011(b) are americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

2.25.5.4 Nature and Extent of Soil and Rock Contamination

Eight locations were sampled at AOC 02-011(b). The vertical extent of contamination is not defined for metals, nitrate, PCBs, SVOCs, and radionuclides (cesium-137, plutonium-239/240, tritium, uranium-234, uranium-235, and uranium-238). Verical extent is defined for americium-241, plutonium-238, and strontium-90 (Appendix F). The lateral extent of contamination for part of AOC 02-011(b) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.25.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-011(b). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.26 AOC 02-011(c), Storm Drain (Associated with Former OWR Equipment Building)

AOC 02-011(c) was a storm drain associated with the OWR equipment building [02-044, AOC 02-004(f)] (Figure 2.1-1). The drainline was a 4-in.--ameter VCP that was approximately 12 ft long, and drained to the surface, west of the west fence. The drainline was installed in 1954, as shown in engineering drawing C-14930 (LASL 1954, 090076); it was removed and disposed of in 2003 (LANL 2003, 082646, pp. 26-31).

2.26.1 Historical Site Use

The OWR equipment building was in operation from 1954 to 1993. The AOC 02-011(c) storm drain and outfall collected and discharged stormwater from the vicinity of the building from 1954 to 2003. The AOC 02-011(c) outfall piping was decommissioned and removed, and the waste was disposed of at an approved facility in 2003 (LANL 2003, 082646, pp. 1–6).

2.26.2 Historical Releases

There were no documented releases from AOC 02-011(c).

2.26.3 Relationship to Other SWMUs and AOCs

AOC 02-011(c) was associated with the OWR equipment building [02-044, AOC 02-004(f)], although drainlines associated with that building were not directly connected to the storm drainline or outfall. The outfall discharged to the surface approximately 20 ft northeast of AOC 02-004(d), which was a subsurface structure. The path of the storm drainline intersected the path of the drainline from the OWR equipment building [02-044, AOC 02-004(f)] to the OWR acid pit [AOC 02-004(e)].

2.26.4 Summary of Previous Investigations

2003 Omega West Decommissioning Project

AOC 02-011(c) outfall piping was decommissioned and removed, and the waste was disposed of at an approved facility in 2003. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Radiological walk-over surveys and radiological (structure) screening were conducted to segregate waste, primarily equipment and construction materials. Limited soil surveys were conducted; however, no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 360 yd^3 of material was shipped to Envirocare for disposal; material from the AOC 02-011(c) storm drain was included in this total volume (LANL 2003, 082646, pp. 1-6).

No soil samples were collected in 2003 at AOC 02-011(c) as part of the Omega West decommissioning project activities.

2.26.5 Site Contamination

2.26.5.1 Soil and Rock Sampling

Samples were collected at AOC 02-011(c) in 2007, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Four samples (one soil, two alluvium, and one tuff), plus one field duplicate, were collected from one location at AOC 02-011(c) in 2007, with a maximum sample depth of 19.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.26.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-011(c). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.26.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-011(c) (Figure F-2.18-1). Table 2.26-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-011(c) is presented in Appendix F, section F-2.25.1. The inorganic chemicals identified as COPCs for AOC 02-011(c) are aluminum, arsenic, barium, cadmium, iron, nitrate, perchlorate, and selenium.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-011(c) (Figure F-2.25-1). Table 2.26-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs for AOC 02-011(c) is presented in Appendix F, section F-2.25.3. The organic chemicals identified as COPCs for AOC 02-011(c) are

- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- di-n-butylphthalate;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- pyrene;

- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran; and
- toluene.

Radionuclides

Radionuclides were detected in samples for which no FV applies or were detected with no applicable FV in samples from one or more media at AOC 02-011(c) (Figure F-2.18-3). Table 2.26-3 lists, by sample, the concentrations of radionuclides detected with no applicable BV/FV.

The identification of radionuclide COPCs for AOC 02-011(c) is presented in Appendix F, section F-2.25.4. The radionuclides identified as COPCs for AOC 02-011(c) are strontium-90 and tritium.

2.26.5.4 Nature and Extent of Soil and Rock Contamination

One location was sampled at AOC 02-011(c). The vertical extent of contamination is not defined for metals and tritium. Vertical extent is defined for nitrate, perchlorate, PCBs, SVOCs, VOCs, dioxin/furan congeners, and strontium-90 (Appendix F). The lateral extent of contamination for AOC 02-011(c) is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.26.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-011(c). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.27 AOC 02-011(d), Outfall (NPDES-Permitted OWR Equipment Building Outfall)

AOC 02-011(d) was an NPDES-permitted outfall that discharged effluent from the OWR equipment building [02-044, AOC 02-004(f)] (Plate 1). The line ran from the equipment building south-southwest, past the western side of the cooling tower (structure 02-049), to Los Alamos Creek.

2.27.1 Historical Site Use

The outfall at AOC 02-011(d) became operational in 1949, discharging effluent to Los Alamos Creek. The discharge consisted primarily of regenerate water from the ion-exchange system. Discharge was rerouted through the OWR effluent storage tanks and disposed of through the liquid acid waste line to TA-50 beginning in 1963. The outfall was removed from the NPDES permit in 1995 (NMED 2001, 071256).

2.27.2 Historical Releases

Routine effluent discharges occurred from the AOC 02-011(d) outfall between 1949 and 1963. Releases from the outfall at AOC 02-011(d) were monitored and documented as part of NPDES requirements.

2.27.3 Relationship to Other SWMUs and AOCs

The AOC 02-011(d) outfall was associated with the OWR equipment building, AOC 02-004(f), which was the source of effluent discharged from the outfall. The drainline from the equipment building was rerouted in 1963 to the OWR effluent storage tanks, AOCs 02-004(b,c,d).

2.27.4 Summary of Previous Investigations

1995 Investigation Activities

Three samples were collected from locations 02-01151 and 02-01155 (Plate 2) in 1995. Table 1.3-2 lists the samples collected and the analyses requested for each.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work in July 2000, samples were collected from locations 02-01247 and 02-01248 (Plate 2). Table 1.3-2 lists the samples collected and the analyses requested for each.

2003 Omega West Decommissioning Project

AOC 02-011(d) piping was removed, and the waste was disposed of at an approved facility. Site activities included soil excavation, radiological walk-over surveys, radiological (structure) screening, soil sampling, sample analysis, and surveying of sample coordinates. Limited soil surveys were conducted, but no formal report of soil survey results is available.

LLW (construction debris and/or soil) was packaged and shipped to Envirocare or TA-54 for disposal. Mixed waste was packaged and transferred to TA-54 for further processing and/or storage at the Laboratory. In total, 9800 ft^3 of material was shipped to Envirocare for disposal; material from the OWR equipment building (building 02-044) outfall was included in this total volume (LANL 2003, 082646, pp. 1-6). The specific volume of material associated with AOC 02-011(d) was not documented.

No soil samples were collected from AOC 02-011(d) during D&D activities in 2003.

2.27.5 Site Contamination

2.27.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-011(d), as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Two samples (one soil and one alluvium) were collected in 2007 from one location at AOC 02-011(d). Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes seven samples (four soil, one alluvium, and two sediment) collected in 1995, 2000, and 2007 from five locations at AOC 02-011(d), with a maximum sample depth of 2.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.27.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-011(d). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.27.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-011(d) (Figure F-2.18-1). Table 2.27-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-011(d) is presented in Appendix F, section F-2.26.1. The inorganic chemicals identified as COPCs for AOC 02-011(d) are arsenic, cadmium, calcium, chromium, hexavalent chromium, copper, lead, nitrate, perchlorate, silver, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-011(d) (Figure F-2.25-1). Table 2.27-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-011(d) is presented in Appendix F section F-2.26.3. The organic chemicals identified as COPCs for AOC 02-011(d) are acenaphthene, anthracene, Aroclor-1254, Aroclor-1260, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-011(d) (Figure F-2.18-3). Table 2.27-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-011(d) is presented in Appendix F, section F-2.26.4. The radionuclides identified as COPCs for AOC 02-011(d) are cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-234.

2.27.5.4 Nature and Extent of Soil and Rock Contamination

Five locations were sampled at AOC 02-011(d). The vertical extent of contamination is not defined for metals, hexavalent chromium, nitrate, and radionuclides (cesium-137, cobalt-60, plutonium-239/240, uranium-234, and tritium). Vertical extent is defined for perchlorate, SVOCs, VOCs, and PCBs (Appendix F). The lateral extent of contamination for AOC 02-011(d) is not defined. Extent is defined on the south side by the main channel of Los Alamos Creek. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

2.27.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-011(d). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

2.28 AOC 02-011(e), Outfall [Duplicate of SWMU 02-008(a)]

AOC 02-011(e) is a duplicate of SWMU 02-008(a). All activities for AOC 02-011(e) are included as SWMU 02-008(a), which is discussed in section 2.19.

2.29 AOC 02-012, Soil Contamination

AOC 02-012 consists of the potential soil contamination associated with two removed underground fuel storage tanks, structures 02-029 and 02-067 (NMED-registered tank 02-1) (Plate 1).

2.29.1 Historical Site Use

In approximately 1944, a 1000-gal. fuel-oil storage tank (structure 02-029) was installed along the south wall of the OWR building (02-001). The tank was removed in 1950 (LANL 1996, 055226, p. 5-15). In 1982, a 517-gal. diesel tank [structure 02-067 (NMED-registered tank 02-1)] was installed on the north side of the OWR building (02-001). The diesel tank (structure 02-067, NMED registered tank 02-1) and associated lines were removed and disposed of in 1998 in accordance with NMED requirements (LANL 2000, 090023).

2.29.2 Historical Releases

There were no documented releases from AOC 02-012.

2.29.3 Relationship to Other SWMUs and AOCs

AOC 02-012 is located immediately adjacent to the south side of former reactor building [AOC 02-004(a)]. It is also approximately 10 ft west of a former drainline [AOC 02-011(a)(ix)], and is collocated with a portion of the former sewer line [AOC 02-006(c)]. There was no physical connection between the drainline or the sewer line and the two tanks in AOC 02-012.

2.29.4 Summary of Previous Investigations

In 1994, underground storage tank (UST) tightness tests were performed on the diesel tank and its associated lines. The results indicated that the tank system was competent (LANL 2000, 090023).

1998 UST Removal Activities

As part of the 1998 UST (NMED-registered tank 02-1) removal activities, six samples were collected from five boreholes around the tank excavation. Borehole location survey coordinates were not collected for these locations, and the data cannot be accurately represented. Therefore, the data are not useable and are not presented in this report.

2000 Post–Cerro Grande Recovery Work

During the post–Cerro Grande fire recovery work in 2000, six soil samples were collected from three boreholes (locations 02-01257, 02-01258, and 02-01265) (Plate 2) along the former fuel line associated with UST (NMED-registered tank 02-1). Table 1.3-2 lists the samples collected and analyses requested for each.

2.29.5 Site Contamination

2.29.5.1 Soil and Rock Sampling

Additional samples were collected in 2007 at AOC 02-012, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Thirty-five samples (11 soil, 12 alluvium, and 12 tuff), plus 4 field duplicates, were collected in 2007 from 11 locations. Data from the samples collected in 2007 were combined with data from samples from previous investigations. The final data set includes 41 samples (17 soil/fill, 12 alluvium, and 12 tuff), plus 4 field duplicates, collected in 2000 and 2007 from 14 locations at AOC 02-012, with a maximum sample depth of 21.0 ft bgs. Table 1.3-2 lists the samples collected and the analyses requested for each.

2.29.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 02-012. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

2.29.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 02-012 (Figure F-2.28-1). Table 2.29-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 02-012 is presented in Appendix F, section F-2.28.1. The inorganic chemicals identified as COPCs for AOC 02-012 are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 02-012 (Figure F-2.28-2). Table 2.29-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 02-012 is presented in Appendix F section F-2.28.3. The organic chemicals identified as COPCs for AOC 02-012 are acenaphthene; anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; chloroform; chrysene; di-n-butylphthalate; dibenzofuran; 1,4-dichlorobenzene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; methylene chloride; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; TPH-DRO; and trichloroethene.

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 02-012 (Figure F-2.13-3). Table 2.29-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 02-012 is presented in Appendix F, section F-2.28.4. The radionuclides identified as COPCs for AOC 02-012 are americium-241, plutonium-239/240, tritium, and uranium-235.

2.29.5.4 Nature and Extent of Soil and Rock Contamination

Fourteen locations were sampled at AOC 02-012. The vertical extent of contamination is not defined for metals, cyanide (total), and uranium-235. Vertical extent is defined for nitrate, perchlorate, VOCs, SVOCs, TPH, and radionuclides (americium-241, plutonium-239/240, and tritium) (Appendix F). The lateral extent of contamination for AOC 02-012 is not defined. Additional samples are needed to define the vertical and lateral extent of contamination (Appendix F).

2.29.6 Summary of Human Health Risk Screening

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at AOC 02-012. The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

3.0 TA-21 BACKGROUND AND FIELD INVESTIGATION RESULTS

3.1 Background of TA-21

During World War II, the Laboratory was established for the research, development, and testing of the first deliverable nuclear weapon. In 1945, the operations for establishing the chemical and metallurgical properties of the nuclear material necessary to achieve and sustain the required nuclear fission reaction were transferred to the newly built facilities at TA-21 (Figure 1.0-1).

DP West operations (western portion of TA-21) began in September 1945, primarily to produce metal and alloys of plutonium from the nitrate solution feedstock provided by other production facilities. This procedure involved several acid dissolution and chemical precipitation steps to separate the plutonium and other valuable actinides from the feedstock. A major research objective at DP West was the development of new purification techniques that would increase the efficiency of the separation processes (Christensen and Maraman 1969, 004779). Details of the purification techniques are discussed in the operable unit (OU) work plan for TA-21 (LANL 1991, 007529). Other operations at DP West included

nuclear fuel reprocessing. In 1977, a transfer of work to the new plutonium facility at TA-55 began, and much of the DP West complex was vacated.

DP East operations (eastern portion of TA-21) also began in September 1945. These facilities were used to process polonium and actinium and to produce initiators (a nuclear weapons component). In 1964, building 21-209 was built to house research into high-temperature and actinide chemistry. Building 21-155 currently houses the Tritium Systems Test Assembly for developing and demonstrating effective technology for handling and processing deuterium and tritium fuels for use in fusion reactors.

TA-21 includes five Material Disposal Areas (MDAs): A, B, T, U, and V. Process wastes, transuranic wastes, and liquid wastes were disposed of at the MDAs from the early 1940s to the late 1970s; details of the disposal methods are presented in the TA-21 OU work plan (LANL 1991, 007529). The major contributors to waste streams at TA-21 were plutonium-processing activities. However, because plutonium was scarce, waste-stream recycling became a common practice to remove as much plutonium as possible from the waste stream. Numerous other chemicals were used for separation techniques and were present in the waste stream. Airborne emissions including tritium were released from some of the buildings at DP West and DP East; these releases are also discussed in the TA-21 OU work plan (LANL 1991, 007529).

In the past, Los Alamos Canyon received treated and untreated industrial effluents containing radionuclides (LANL 2004, 088421). The upper reach of Los Alamos Canyon experienced releases of treated and untreated radioactive effluents during the earliest Manhattan Project operations at TA-01 (1942–1945) and some release of water and radionuclides from the research reactors at TA-02. An industrial liquid waste treatment plant that served the old plutonium processing facility at TA-21 discharged effluent containing radionuclides into DP Canyon, a tributary of Los Alamos Canyon, from 1952 to 1986 (LANL 2004, 088421). Los Alamos Canyon also received discharges containing radionuclides from the sanitary sewage lagoon system at the Los Alamos Neutron Science Center at TA-53. The LLW stream was separated from the sanitary system at TA-53 in 1989 and directed into a total retention evaporation lagoon.

3.1.1 Surface Conditions

3.1.1.1 Topography and Surface Drainage

TA-21 is located on DP Mesa on the northern boundary of the Laboratory and is immediately east-southeast of the Los Alamos townsite. It extends from the mesa top to the stream channels in two adjacent canyons, DP Canyon to the north and Los Alamos Canyon to the south (Figure 2.1-1). The surface of DP Mesa as a whole slopes gently to the east, and the mesa top also slopes gently from its central axis north into DP Canyon and south into Los Alamos Canyon. Surface drainage is primarily by sheet flow, although minor drainage channels are present, and much of the surface at TA-21 is paved, with storm drains directing runoff from many paved areas to the mesa edges on both the north (DP Canyon) and south (Los Alamos Canyon) sides. DP Canyon is a tributary of Los Alamos Canyon, joining the larger canyon to the east of TA-21.

3.1.1.2 Features and Structures

Several structures are present in the vicinity of the two TA-21 sites under investigation (Figure 3.1-1). These buildings (21-003, 21-314, 21-004, 21-315, 21-116, and 21-005) are largely inactive. Buildings 21-003 and 21-004 have been largely dismantled, and only small portions of the central sections of those buildings remain.

3.1.2 Subsurface Conditions

3.1.2.1 Stratigraphy

Bandelier Tuff

The Bandelier Tuff under TA-21 consists of the lower Otowi and upper Tshirege Members, which are stratigraphically separated in many places by the tephras and volcaniclastic sediments of the Cerro Toledo interval (LANL 1998, 059599; LANL 2000, 066802). See section 2.1.2 for additional discussion of the Bandelier Tuff.

The rock unit generally exposed at or near the surface at TA-21 is unit 3 of the Tshirege Member (Qbt) of the Bandelier Tuff. The Tshirege Member consists of, from bottom to top, the Tsankawi pumice (typically 20–30 in. thick), unit Qbt 1g, unit Qbt 1v, unit Qbt 2, and unit Qbt 3, the uppermost unit present at TA-21.

Unit Qbt 1g consists of porous, nonwelded, and poorly sorted ash-flow tuff. This unit is poorly indurated but forms steep cliffs because of a resistant bench near the top of the unit; the bench forms a harder, protective cap over the softer underlying tuff.

Unit Qbt 1v forms alternating steep cliffs and slopes composed of porous, nonwelded, crystallized tuff. The base of this unit is a thin, horizontal zone of preferential weathering that marks the abrupt transition from glassy tuff below (in unit Qbt 1g) to the crystallized tuff above. This feature forms a widespread marker horizon locally identified as the vapor-phase notch. The tuffs of unit Qbt 1v are commonly nonwelded and have an open, porous structure.

Unit Qbt 2 forms a distinctive, medium-brown, vertical cliff that stands out in marked contrast to the slope-forming, lighter-colored tuffs above and below. It has the greatest degree of welding found within the Tshirege Member. It is typically nonporous and has low permeability relative to the other units of the Tshirege Member.

Unit Qbt 3 is a nonwelded to partially welded tuff that forms the upper cliffs in the TA-21 area. Its base consists of a purple-gray, unconsolidated, porous, and crystal-rich nonwelded tuff that underlies a broad, gently sloping bench developed on top of unit Qbt 2. This basal, nonwelded portion forms relatively soft outcrops that weather into low rounded mounds with a white color, which contrast with the cliffs of partially welded tuff in the middle and upper portions of unit Qbt 3.

3.1.2.1 Soil

Soil on the mesa top at TA-21 is mainly shallow, well-drained, sandy loam of the Hackroy series (Nyhan et al. 1978, 005702). The depth to bedrock and the effective rooting depth is 8–20 in. (Nyhan et al. 1978, 005702). Intermixed with the Hackroy soil on the mesa tops are small areas of deeper loam of the Nyjack series and patches of bedrock. The Nyjack soil is texturally similar to Hackroy soil and is distinguished by thicknesses of 8–40 in. and by the common presence of pumice fragments in the lower soil. The soil typically is formed on top of bedrock tuff and has relatively high permeability and low available water capacity.

3.1.3 Groundwater Conditions

The top of the regional aquifer is typically 1100–1200 ft bgs on the mesas of the Pajarito Plateau. Data from wells at the Laboratory and predictions of the hydrogeologic conceptual model for the Pajarito

Plateau place the regional aquifer at an approximate depth of 1300 ft below TA-21 (LANL 1998, 059599). A map showing elevations of the top of the regional aquifer across the Laboratory is presented in Figure 2.1-4. No groundwater was encountered during the 2007 investigation activities at TA-21.

The regional aquifer is the only known aquifer in the Los Alamos area capable of producing a municipal and industrial water supply. The direction of groundwater flow in the regional aquifer is to the east-southeast, toward the Rio Grande. The velocity of groundwater flow ranges from about 20 ft/yr to 250 ft/yr (LANL 1998, 059599). Details of depths to the regional aquifer, flow directions and rates, and well locations are presented in various Laboratory documents (Purtymun 1995, 045344; LANL 1997, 055622; LANL 2000, 066802).

3.1.4 Surface-Water Conditions

There is no permanent surface water at TA-21. Surface runoff occurs intermittently as a result of precipitation events, primarily summer thunderstorms or snowmelt.

3.2 Consolidated Unit 21-006(e)-99, Seepage Pits

Consolidated Unit 21-006(e)-99 consists of SWMU 21-006(e), a seepage pit, and AOC 21-006(f), a gravel seepage pit (Figure 3.1-1). SWMU 21-006(e) is a seepage pit that may be located south of building 21-004. The location of this seepage pit is unclear (LANL 1990, 007512), but it may be the same seepage pit as AOC 21-006(f) (LANL 1991, 007680, p. 18-13). AOC 21-006(f) is described as a gravel seepage pit located on the south side of the DP West complex (Tribby 1947, 001404, p. 1).

3.2.1 Historical Site Use

The seepage pit(s) may have received up to 4000 L per day of hydrogen fluoride wastewater effluent from a hydrofluorination process located in room 413, the southernmost room of building 21-004 (Tribby 1947, 001404, p. 1). The period of operation is not known. During repair work on the drain system under Room 413, a hole in the ground was identified under the drainlines. It was evident that acid waste had escaped from the drain system into the ground (Meyer 1978, 000526). This hole may have been one of the seepage pits of Consolidated Unit 21-006(e)-99.

3.2.2 Historical Releases

There were no documented releases from Consolidated Unit 21-006(e)-99, but there were indications that acid waste had been released to the ground beneath Room 413.

3.2.3 Relationship to Other SWMUs and AOCs

There is no documented relationship between the seepage pits, Consolidated Unit 21-006(e)-99, and any other SWMUs or AOCs

3.2.4 Summary of Previous Investigations

1995 TA-21 Buildings 3 and 4 RCRA Facility Investigation Phase I Project

One sample was collected from each of six locations at Consolidated Unit 21-006(e)-99 in 1995. As part of RCRA Facility Investigation (RFI) Phase I investigation activities, locations were sampled at unknown depths at the bottom of the excavated area in the approximate area of the seepage pits for confirmation

of building 21-004 D&D activities. Because depths are not available for the samples, the data are not useable and are not included in this report.

3.2.5 Site Contamination

3.2.5.1 Soil and Rock Sampling

Samples were collected in 2007 at Consolidated Unit 21-006(e)-99, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected by hand auger. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods. Table 1.3-2 lists the samples collected and the analyses requested for each.

Forty-six samples (3 soil and 43 tuff), plus 5 field duplicates, were collected in 2007 from 15 locations at Consolidated Unit 21-006(e)-99, with a maximum sample depth of 13.0 ft bgs (Figure 3.1-1). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

3.2.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at Consolidated Unit 21-006(e)-99. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

3.2.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at Consolidated Unit 21-006(e)-99 (Figure F-3.1-1). Table 3.2-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at Consolidated Unit 21-006(e)-99 is presented in Appendix F, section F-3.1.1. The inorganic chemicals identified as COPCs for Consolidated Unit 21-006(e)-99 are aluminum, antimony, barium, calcium, cobalt, copper, cyanide (total), lead, mercury, nickel, nitrate, selenium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at Consolidated Unit 21-006(e)-99 (Figure F-3.1-2). Table 3.2-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at Consolidated Unit 21-006(e)-99 is presented in Appendix F, section F-3.1.3. The organic chemicals identified as COPCs for Consolidated Unit 21-006(e)-99 are

- acetone;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- n-butylbenzene;
- chrysene;
- di-n-butylphthalate;
- 1,2-dichlorobenzene;
- 1,3-dichlorobenzene;
- 1,4-dichlorobenzene;
- ethylbenzene;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;

- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;
- toluene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- xylene (total).

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at Consolidated Unit 21-006(e)-99 (Figure F-3.1-3). Table 3.2-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at Consolidated Unit 21-006(e)-99 is presented in Appendix F, section F-3.1.4. The radionuclides identified as COPCs for Consolidated Unit 21-006(e)-99 are americium-241, cesium-134, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235.

3.2.5.4 Nature and Extent of Soil and Rock Contamination

Fifteen locations were sampled at Consolidated Unit 21-006(e)-99. The vertical extent of contamination is not defined for metals, nitrate, PCBs, SVOCs, VOCs, and radionuclides (plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235). Vertical extent is defined for cyanide (total), perchlorate, explosive compounds, dioxin/furan congeners, and radionuclides (americium-241, cesium-134, and cesium-137) (Appendix F). The lateral extent of contamination for Consolidated Unit 21-006(e)-99 is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

3.2.6 Summary of Human Health Risk Screening

A preliminary screening assessment using a construction worker scenario was conducted to determine whether remediation may be necessary at Consolidated Unit 21-006(e)-99. The screening assessment results indicated that plutonium-239/240 was contributing to a total dose in excess of the target level. Several locations will be remediated to remove the concentrations of plutonium-239/240 that are contributing to the excess total dose. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

3.3 AOC 21-028(c), Storage Areas

AOC 21-028(c) consists of four satellite container storage areas that were located around building 21-003 (Figure 3.1-1). The four container storage areas were located at the door to Room 301 on the north dock, at the outer door to Room 360, at the northeast side of the fan Room 3N, and inside a chemical safety cabinet in Room 362.

3.3.1 Historical Site Use

The period of operation for the storage areas is not available but probably began in 1945, when the building was constructed (LANL 1991, 007680, p. 18-21). The areas were in use as late as 1990 (LANL 1991, 007680, pp. 18-23–18-24). These areas have stored a wide variety of chemicals including depleted uranium salts, metal salts, organic chemicals, synthetic inorganic chemicals, and other reagents (LANL 1991, 007680, pp. 18-23–18-24).

3.3.2 Historical Releases

There were no specific documented releases from any of the satellite container storage areas in AOC 21-028(c).

3.3.3 Relationship to Other SWMUs and AOCs

Room 362, the location of one of the storage areas (chemical safety cabinet), was also the location of a septic tank [structure 21-142, SWMU 21-023(b)] that was removed. The septic tank was addressed in the DP Site Aggregate Area investigation work plan (LANL 2005, 090225) and in the DP Site Aggregate Area investigation report (LANL 2007, 099175).

3.3.4 Summary of Previous Investigations

1996 TA-21 Buildings 3 and 4 RFI Phase I Project

As part of Phase I investigation activities, samples were collected from five locations at the bottom of the excavation in the approximate area of the satellite storage areas for confirmation (LANL 1996, 065025). The sampling depths were not recorded. These data are therefore not useable and are not included in this report.

3.3.5 Site Contamination

3.3.5.1 Soil and Rock Sampling

Samples were collected in 2007 at AOC 21-028(c), as directed by the approved Middle Los Alamos Aggregate Area investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected by hand auger. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods. Table 1.3-2 lists the samples collected and the analyses requested for each.

Fifty-two samples (13 soil and 39 tuff), plus 4 field duplicates, were collected in 2007 from 17 locations (Figure 3.1-1) at AOC 21-028(c), with a maximum sample depth of 13.0 ft bgs. The samples were

analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

3.3.5.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at AOC 21-028(c). No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

3.3.5.3 Soil and Rock Sample Analytical Results

Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at AOC 21-028(c) (Figure F-3.2-1). Table 3.3-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at AOC 21-028(c) is presented in Appendix F, section F-3.2.1. The inorganic chemicals identified as COPCs for AOC 21-028(c) are aluminum, antimony, barium, calcium, chromium, cobalt, copper, cyanide (total), iron, lead, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

Organic Chemicals

Organic chemicals were detected in samples from one or more media at AOC 21-028(c) (Figure F-3.2-2). Table 3.3-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at AOC 21-028(c) is presented in Appendix F, section F-3.2.3. The organic chemicals identified as COPCs for AOC 21-028(c) are

- acetone;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- benzoic acid;
- bis(2-ethylhexyl)phthalate;
- bromobenzene;
- butylbenzylphthalate;

- chrysene;
- 1,2-dichlorobenzene;
- 1,3-dichlorobenzene;
- ethylbenzene;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;
- tetrachloroethene;
- toluene;
- 1,2,4-trimethylbenzene; and
- xylene (total).

Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at AOC 21-028(c) (Figure F-3.2-3). Table 3.3-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at AOC 21-028(c) is presented in Appendix F, section F-3.2.4. The radionuclides identified as COPCs for AOC 21-028(c) are americium-241, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235.

3.3.5.4 Nature and Extent of Soil and Rock Contamination

Seventeen locations were sampled at AOC 21-028(c). The vertical extent of contamination is not defined for metals, nitrate, PCBs, VOCs, and radionuclides (americium-241, plutonium-238, plutonium-239/240, tritium, and uranium-234). Vertical extent is defined for perchlorate, SVOCs, dioxin/furan congeners, and

cesium-137 (Appendix F). The lateral extent of contamination for AOC 21-028(c) is not defined. Additional sampling is needed to define the vertical and lateral extent of contamination (Appendix F).

3.3.6 Summary of Human Health Risk Screening

A preliminary screening assessment using a construction worker scenario was conducted to determine whether remediation may be necessary at SWMU 21-028(c). The screening assessment results did not indicate that any area requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

4.0 TA-26 BACKGROUND AND FIELD INVESTIGATION RESULTS

4.1 Background of TA-26

TA-26 is a former technical area located south of State Highway 502, east and south of the Los Alamos County airport and west of the East Gate Industrial Park (Figure 4.1-1). The area is restricted to D-Site, which contained the East Gate vault. D-Site was established for Los Alamos Scientific Laboratory's Chemistry and Metallurgical Research division for the purpose of storing radioactive materials (LASL 1947, 000664). The area consisted of several structures, including the East Gate vault (building 26-001), Guard Tower A (structure 26-002), Guard Tower B (structure 26-003), a guard building (26-004), east room septic system (structure 26-005), and a sump system (structure 26-006). Construction at D-Site began on April 1, 1946. The concrete storage vault, Guard Tower A, the guard building, and the sump system were completed in October 1946. Guard Tower B was moved from TA-21 to TA-26 in March 1948. The septic system was installed in August 1948. The guard building was removed in December 1948, and the two guard towers were removed in May 1955 (LASL no date, 000675). The storage vault was later used by the Zia Company for storing high explosives (HE) (Lojek 1991, 001904). The vault operated from approximately 1946 to 1965. D-Site was demolished in 1965 and 1966.

TA-26 contains the following four SWMUs.

- SWMU 26-001 is a disposal area on the south-facing slope of Los Alamos Canyon that contains debris from a five-room concrete storage vault that was decommissioned and dismantled in 1966.
- SWMU 26-002(a) is the former acid sump system that served the historic concrete storage vault at former TA-26 (D-Site) from 1948 to 1965. The sump system consisted of a 6-in.-diameter VCP floor drain in the south center room of the vault connected to a collection sump and outfall that discharged to Los Alamos Canyon.
- SWMU 26-002(b) was the equipment room drainage system for the former TA-26 historic concrete storage vault. It carried effluent through a 4-in.-diameter VCP that discharged directly to Los Alamos Canyon.
- SWMU 26-003 is the sanitary septic system that served sanitary facilities in the east room of the historic concrete storage vault at former TA-26. The septic system consisted of a 4-in.-diameter VCP drainline connected to a 250-gal. steel septic tank. The effluent was discharged to Los Alamos Canyon.

4.1.1 Surface Conditions

4.1.1.1 Topography and Surface Drainage

The TA-26 site is located on a mesa top and adjacent slope in the far eastern portion of the Middle Los Alamos Canyon Aggregate Area (Figure 2.1-1). The mesa-top portion of the site is relatively flat, with a gentle slope to the south and east. The adjacent slope is a portion of the steep south-facing slope on the north side of Los Alamos Canyon.

4.1.1.2 Features and Structures

The only existing surface structure at the TA-26 site is a concrete retaining wall near the south edge of the mesa top. The wall is 10 in. thick, set into the ground to an unknown depth, and runs east-west for approximately 50 ft.

4.1.2 Subsurface Conditions

No subsurface man-made structures were known to remain at TA-26 before the 2007 investigation activities.

4.1.2.1 Stratigraphy

Bandelier Tuff

The Bandelier Tuff under TA-26 consists of the lower Otowi and upper Tshirege Members, which are stratigraphically separated in many places by the tephras and volcaniclastic sediments of the Cerro Toledo interval (LANL 1998, 059599; LANL 2000, 066802). See section 2.1.2 for additional discussion of the Bandelier Tuff.

The rock unit generally exposed at or near the surface at TA-26 is unit 3 of the Tshirege Member (Qbt 3) of the Bandelier Tuff. The Tshirege Member consists of, from bottom to top, the Tsankawi pumice, unit Qbt 1g, unit Qbt 1v, unit Qbt 2, and unit Qbt 3, the uppermost unit present at TA-21.

Unit Qbt 3 is a nonwelded to partially welded tuff that forms the upper cliffs in the TA-21 area. Its base consists of a purple-gray, unconsolidated, porous, and crystal-rich nonwelded tuff that underlies a broad, gently sloping bench developed on top of unit Qbt 2. This basal, nonwelded portion forms relatively soft outcrops that weather into low rounded mounds with a white color, which contrast with the cliffs of partially welded tuff in the middle and upper portions of unit Qbt 3.

4.1.2.2 Soil

Soil on the mesa top at TA-26 is mainly shallow, well-drained, sandy loam of the Hackroy series (Nyhan et al. 1978, 005702). The typical depth to bedrock and the effective rooting depth is 8–20 in. (Nyhan et al. 1978, 005702). On the slope below TA-26, the soil is identified as steep rock outcrop, which may include widely scattered small areas of weakly developed shallow soil. The soil has relatively high permeability and low available water capacity.

4.1.3 Groundwater Conditions

The top of the regional aquifer is typically 1100–1200 ft bgs on the mesas of the Pajarito Plateau. Data from wells at the Laboratory and predictions of the hydrogeologic conceptual model for the Pajarito

Plateau place the regional aquifer at an approximate depth of 1300 ft below TA-26 (LANL 1998, 059599). A map showing elevations of the top of the regional aquifer across the Laboratory is presented in Figure 2.1-4. No groundwater was encountered during the 2007 investigation activities.

The regional aquifer is the only known aquifer in the Los Alamos area capable of producing a municipal and industrial water supply. The direction of groundwater flow in the regional aquifer is to the east-southeast, toward the Rio Grande. The velocity of groundwater flow ranges from about 20 to 250 ft/yr (LANL 1998, 059599). Details of depths to the regional aquifer, flow directions and rates, and well locations are presented in various Laboratory documents (Purtymun 1995, 045344; LANL 1997, 055622; LANL 2000, 066802).

4.1.4 Surface-Water Conditions

There is no permanent surface water at TA-26. Surface runoff occurs intermittently as a result of precipitation events, primarily summer thunderstorms or snowmelt. The mesa top in the vicinity of TA-26 is relatively narrow and provides limited surface area to collect precipitation in the form of surface runoff. Runoff occurs in the form of sheet flow across the surface, with little or no flow in channels within the area of TA-26.

4.2 SWMU 26-001, Surface Disposal Site

SWMU 26-001 is a surface disposal area on the south-facing slope of Los Alamos Canyon that contains debris from a five-room concrete storage vault (Figure 4.1-1).

4.2.1 Historical Site Use

The vault was constructed in 1946 (LASL 1949, 000696) and was decommissioned and dismantled in 1966 (Blackwell 1973, 000619). Although the vault was constructed for storing radioactive materials, documentation describing the specific type and quantity of radioactive materials is not available. One document states that the vault "stored friable containers which now contain, or have contained radioactive material" (Maddy 1957, 006349). The vault was later used for storing HE (Lojek 1991, 001904). Before the vault was dismantled, the contaminated contents that could be removed, including shelving, drainlines, the sump, and duct work, were disposed of at MDA C (Blackwell 1973, 000619). The remains of the vault were bulldozed onto the south-facing slope of Los Alamos Canyon. In the 1970s, most of the vault debris rested on the bench below the mesa top; however, some debris may have fallen as far as the canyon floor (Buckland 1978, 000496). The debris on the ledge was covered with approximately 3 ft of soil (Blackwell 1973, 000619). No formal survey of the refuse on the canyon ledge has been performed; however, no alpha activity was detected on the mesa top after the structures were demolished (Buckland 1978, 000496).

4.2.2 Historical Releases

There were no documented releases from SWMU 26-001.

4.2.3 Relationship to Other SWMUs and AOCs

The debris in the disposal area of SWMU 26-001 originated as the building 26-001 storage vault. Components of the storage vault included a sump system, SWMU 26-002(a), a drainage system, SWMU 26-002(b), and a septic system, SWMU 26-003. There are no other SWMUs or AOCs related to SWMU 26-001.

4.2.4 Summary of Previous Investigations

1965 Radiological Survey

A survey of radioactive contaminants at the D-Site vault area was conducted in 1965 before the vault was decommissioned. The radiation survey covered the grounds area, five vault doors, five vault rooms, and the north side concrete ramp to the vault area (Buckland 1965, 000628).

The grounds and five vault doors were found to be free of contamination. Alpha radiation was elevated in all five of the vault rooms. Contamination was detected on floors, light fixtures, ventilation ducts, and the concrete ramp. The contaminants were suspected to be enriched uranium-234 and uranium-235 (Buckland 1965, 000628).

Documentation of the decommissioning of the D-Site vault area is incomplete. A Laboratory memorandum from the General Monitoring Section (H-1) staff in 1973 indicates that paint applied to cover the contamination on the floors was removed to enable a survey of the exposed concrete. The floor was damp-mopped to remove loose contamination (Blackwell 1973, 000619). Before the vault was dismantled, the contaminated contents that were removable, including shelving, drainlines, the sump, and duct work, were disposed of at MDA C (Blackwell 1973, 000619). The remains of the vault were broken up, and the rubble was pushed over the cliff side to a bench on the south-facing slope of Los Alamos Canyon. When all rubble had been pushed over the side, additional soil was pushed over the side to cover the rubble to a minimum depth of 3 ft (Blackwell 1973, 000619).

1985 Phoswich Radioactivity Survey

A Phoswich radioactivity survey was conducted on the mesa at the location of the former D-Site storage vault area in 1985. The survey revealed beta-gamma radiation levels 20% to 25% higher than background levels on the west side of the vault area site (LANL 1992, 007667, p. 5-160). The source of the contamination was unclear, and the extent of contamination beyond the vault site on the ledge and in the canyon was not known.

1986 Comprehensive Environmental Assessment and Response Program Field Survey

The Comprehensive Environmental Assessment and Response Program field survey team observed pipe and other materials projecting from the debris on the bench below where the D-Site storage vault material had been bulldozed in 1965 (DOE 1987, 008663).

At the time of the 2007 investigation, a small amount of reinforced concrete debris was visible on the bench below the mesa top.

4.3 SWMU 26-002(a), Soil Contamination

SWMU 26-002(a) is the acid sump system that served the concrete storage vault at TA-26 from 1946 to 1965 (Figure 4.1-1). Engineering records note the sump as having an internal diameter of 4 ft and a depth of 10 ft (LANL 1990, 007513). The collection sump was located outside the vault.

4.3.1 Historical Site Use

The vault and its associated structures were constructed in 1946 (LASL 1949, 000696) and decommissioned and dismantled in 1966 (Blackwell 1973, 000619). The sump system consisted of a 6-in.-diameter VCP floor drain in the south center room of the vault. The drain connected to a collection

sump and outfall that discharged to Los Alamos Canyon. The vault was decommissioned and dismantled in 1966 (LASL 1949, 000696). The sump and its drainlines were removed before demolition of the vault and disposed of at MDA C (Blackwell 1973, 000619).

4.3.2 Historical Releases

There are no documented releases from SWMU 26-002(a), but it is possible that routine operations between 1946 and 1966 resulted in discharges from the sump outfall.

4.3.3 Relationship to Other SWMUs and AOCs

The sump system was connected to the building 26-001 storage vault and the drainage system within the vault [SWMU 26-002(b)]. The sump outfall may have discharged liquids to the vicinity of the disposal area identified as SWMU 26-001.

4.3.4 Summary of Previous Investigations

The sump system was not investigated separately from the surveys discussed in association with SWMU 26-001 (section 4.2.4).

4.4 SWMU 26-002(b), Drainline

SWMU 26-002(b) was the equipment room drainage system constructed in 1946 for the concrete storage vault at TA-26 (Figure 4.1-1).

4.4.1 Historical Site Use

The drainage system was installed during construction of the storage vault in 1946. It carried effluent through a 4-in.-diameter VCP floor drain that discharged directly to the south-facing slope. Specific uses of the drain system are not documented. The drainlines were removed before demolition of the vault structure in 1966 (Blackwell 1973, 000619). All removable material, including the drainlines, was disposed of at MDA C (Blackwell 1973, 000619).

4.4.2 Historical Releases

There were no documented releases from SWMU 26-002(b), but routine operations in the storage vault may have resulted in discharges from the equipment room between 1946 and 1966.

4.4.3 Relationship to Other SWMUs and AOCs

The equipment room drainage system was apparently not connected to either the sump system, SWMU 26-002(a), or the septic system, SWMU 26-003. The drainline ran south from the storage vault, parallel to the septic system lines, and discharged at a point near the septic system outfall. The discharge point was directly above the area that became SWMU 26-001.

4.4.4 Summary of Previous Investigations

The equipment room drainage system was not investigated separately from the surveys discussed in association with SWMU 26-001 (section 4.2.4).

4.5 SWMU 26-003, Septic Tank

SWMU 26-003 is the septic system that served sanitary facilities in the east room of the concrete storage vault at TA-26 (Figure 4.1-1). The septic system consisted of a 4-in.-diameter VCP drainline connected to a 250-gal. steel septic tank.

4.5.1 Historical Site Use

The septic system was installed in August 1948 (LASL no date, 000675). Overflow from the system was discharged to the slope below the mesa top. It was assumed that the septic tank was free from radioactive contamination because the tank served the toilet and sink in the least contaminated room of the storage vault (Buckland 1965, 000628). The septic tank was thought to have handled only sanitary waste; however, because radioactive contamination was found in the vault, it is possible that contaminants were introduced into the system. The septic tank system may have been removed at the same time as the sump system [SWMU 26-002(a)] and other removable material in 1966, but no clear documentation is available (Blackwell 1973, 000619).

4.5.2 Historical Releases

There were no documented releases from SWMU 26-003, but routine use of the septic system may have resulted in overflow from the septic tank being discharged to the south-facing slope of Los Alamos Canyon.

4.5.3 Relationship to Other SWMUs and AOCs

The septic system was not known to be directly connected to anything except sanitary facilities in the storage vault. The equipment room drainage system, SWMU 26-002(b), was located in the east end of the vault, and its lines ran approximately parallel to the septic system lines south of the vault. The septic system discharge point may have been in the vicinity of the area that became SWMU 26-001.

4.5.4 Summary of Previous Investigations

The septic system was not investigated separately from the surveys discussed in association with SWMU 26-001 (section 4.2.4).

4.6 TA-26 Site Contamination

4.6.1 Soil and Rock Sampling

Samples were collected in 2007 at TA-26, as directed by the approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416). Samples were collected either by hand auger or by core barrel sampling with a drill rig. All samples were screened for organic vapors and for alpha and beta/gamma radioactivity at the time they were collected. All samples were submitted through the SMO for analysis at off-site contract laboratories. All sample locations were surveyed using GPS (Table 1.3-2). Sample collection and screening methods are described in Appendix B, Field Methods.

Ninety-five samples, plus eight field duplicates, were collected in 2007 from 39 locations at TA-26, with a maximum sample depth of 13.5 ft bgs. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-2 lists the samples collected and the analyses requested for each.

4.6.2 Soil and Rock Sample Field-Screening Results

No organic vapors were detected more than 10 ppm above ambient air during headspace (PID) screening of samples at TA-26. No radiological screening results exceeded twice the daily site background levels. Field-screening results are presented in Table 1.3-4. There were no changes to sampling or other activities as a result of field-screening results.

4.6.3 Soil and Rock Sample Analytical Results

4.6.3.1 Inorganic Chemicals

Inorganic chemicals were detected above their BVs, had DLs above their BVs, or were detected but have no BV in samples from one or more media at TA-26 (Figure F-4.1-1). Table 4.6-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no available BV, or with DLs above their BVs.

The identification of inorganic chemical COPCs at TA-26 is presented in Appendix F, section F-4.1.1. The inorganic chemicals identified as COPCs for TA-26 are antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

4.6.3.2 Organic Chemicals

Organic chemicals were detected in samples from one or more media at TA-26 (Figure F-4.1-2). Table 4.6-2 lists, by sample, the concentrations of detected organic chemicals.

The identification of organic chemical COPCs at TA-26 is presented in Appendix F, section F-4.1.3. The organic chemicals identified as COPCs for TA-26 are acetone; Aroclor-1248; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; chrysene; fluoranthene; 2-hexanone; 4-isopropyltoluene; phenanthrene; pyrene; and toluene.

4.6.3.3 Radionuclides

Radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in samples from one or more media at TA-26 (Figure F-4.1-3). Table 4.6-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

The identification of radionuclide COPCs at TA-26 is presented in Appendix F, section F-4.1.4. The radionuclides identified as COPCs for TA-26 are cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

4.6.4 Nature and Extent of Soil and Rock Contamination

Thirty-nine locations were sampled at TA-26. The vertical extent of contamination is not defined for metals, cyanide (total), nitrate, perchlorate, PCBs, VOCs, and radionuclides (cesium-137, plutonium-239/240, tritium, and uranium-235). Vertical extent is defined for explosive compounds, SVOCs, and strontium-90 (Appenidx F). The lateral extent of contamination for the TA-26 site is not defined. Additional sampling is necessary to define the vertical and lateral extent of contamination (Appendix F).

4.7 Summary of Human Health Risk Screening for TA-26

A preliminary screening assessment using an industrial scenario was conducted to determine whether remediation may be necessary at TA-26. The screening assessment results did not indicate that any area at the TA-26 site requires remediation. Because the nature and extent of contamination are not defined, the screening assessment is not included in this report but will be reported when additional sampling has defined the nature and extent of contamination.

5.0 CONCLUSIONS

5.1 Nature and Extent of Contamination

5.1.1 TA-02

The nature of contamination at TA-02 is defined by existing data. COPCs include metals, nitrate, perchlorate, PCBs, SVOCs, VOCs, and radionuclides (americium-241, cesium-137, cobalt-60, isotopic plutonium, strontium-90, isotopic uranium, and tritium). Dioxins and furans were detected at trace concentrations, but there do not appear to have been releases of dioxins/furans in association with historical Laboratory activities at TA-02. Detected concentrations of dioxins and furans at TA-02 are similar to or lower than those in samples collected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations in expanded-suite samples were reviewed by NMED and determined to not warrant collection of additional samples for dioxins/furans (Chamberlain 2006, 093677; Chamberlain 2006, 093679; Chamberlain 2006, 093678; Chamberlain 2006, 093680; Chamberlain 2006, 095870; Chamberlain 2006, 095867; Roberts 2007, 097391; Roberts 2007, 098470).

The vertical and lateral extent of contamination at TA-02 are not defined for metals, nitrate, perchlorate, cyanide (total), PCBs, SVOCs, VOCs, and radionuclides (americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and isotopic uranium). The extent of contamination is not defined for all COPCs at any individual SWMU, AOC, or consolidated unit. At some locations the concentrations of COPCs increase with depth, and at other locations samples were collected at a single depth interval because the locations were not accessible with a drill rig and hand augering met refusal at shallow depths.

The lateral extent of contamination is not defined for many of the individual sites because other SWMUs or AOCs are immediately adjacent to them. In most cases, it will not be possible to define the lateral extent of contamination for individual sites within the main TA-02 investigation area because any new locations will be within the footprint of another SWMU/AOC. The lateral extent of contamination will be defined for the entire TA-02 investigation area, with the exception of SWMU 02-006(a), which is located on the mesa top at TA-61.

The lateral extent of contamination for the TA-02 sites as a group is not defined at the periphery of the main investigation area. However, the north and south sides of the investigation area are bounded by the steep slopes of the north and south walls of Los Alamos Canyon, with limited area available for sampling.

5.1.2 TA-21

The nature of contamination at AOC 21-028(c) and Consolidated Unit 21-006(e)-99 is defined by existing data for those sites. COPCs include metals, nitrate, perchlorate, PCBs, SVOCs, VOCs, and radionuclides (americium-241, cesium-137, isotopic plutonium, isotopic uranium, and tritium). Dioxins and furans were detected at trace concentrations, but there do not appear to have been releases of dioxins/furans in

association with historical Laboratory activities at TA-21. Detected concentrations of dioxins and furans at TA-21 are similar to or lower than those of samples collected at other sites in TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175).

The vertical and lateral extent of contamination at the two TA-21 sites are not defined for metals, nitrate, PCBs, SVOCs, VOCs, and radionuclides (americium-241, isotopic plutonium, tritium, and isotopic uranium). Concentrations of COPCs either increased with depth or did not show clear decreasing trends with depth. The lateral extent of contamination is not defined because COPCs were detected or detected above background at locations on the periphery of the sites, and concentrations did not consistently decrease laterally.

5.1.3 TA-26

The nature of contamination at the TA-26 site is defined by existing data. COPCs include metals, nitrate, perchlorate, PCBs, SVOCs, VOCs, and radionuclides (americium-241, cesium-137, isotopic plutonium, isotopic uranium, and tritium).

The vertical and lateral extent of contamination at the TA-26 site are not defined for metals, cyanide (total), nitrate, perchlorate, PCBs, VOCs, and radionuclides (cesium-137, plutonium-239/240, tritium, and uranium-235). Concentrations of COPCs increased with depth or did not show clear decreasing trends with depth.The lateral extent of contamination is not defined because COPCs are detected or detected above background at locations on the periphery of the sites, and concentrations did not consistently decrease laterally.

5.2 Summary of Risk-Screening Assessments

Human health and ecological risk-screening assessments were not completed and are not included in this report because the extent of contamination is not defined at any of the investigated sites. Additional sampling is needed to define the extent of contamination and enable the screening assessment to be completed. Preliminary risk-screening assessments were conducted to determine whether specific areas at TA-02, -21, or -26 may require remediation based on the contamination as it is currently known.

The presence of elevated concentrations of some COPCs at TA-02 indicates that remediation is warranted in some areas. Elevated concentrations of PCBs and/or PAHs contribute to potentially unacceptable cancer risk at AOCs 02-004(a), 02-004(f), and 02-011(a), and removal of contaminated soil is warranted to reduce the potential risk. Cesium-137 contributes to an elevated dose in some areas at AOC 02-010, and contaminated soil will be removed. Plutonium-239/240 at several locations at Consolidated Unit 21-006(e)-99 contributes to an elevated dose for the site, and removal of contaminated soil is warranted to reduce the potential risk. No areas at the TA-26 site were identified as requiring remediation.

6.0 RECOMMENDATIONS

Additional samples will be collected at TA-02, -21, and -26 to define the extent of contamination for multiple COPCs as discussed in Appendix F and summarized in the preceding sections. Sampling will be targeted to specific analytical suites for which extent is not defined.

At TA-02, a sampling plan will be developed that maximizes the effectiveness of sampling in defining the extent of contamination for the TA-02 sites as a group but provides sufficient analytical data to evaluate individual sites for the purposes of risk screening. Sample locations, sample depths, and analytical suites

will be selected, in most cases, to provide data for multiple SWMUs or AOCs that are in proximity to one another. For sites that are not immediately adjacent to other sites [e.g., SWMU 02-006(a)], sample locations, depths, and analytical suites will be selected to address the data needs of a single SWMU or AOC.

At TA-21, additional sampling and remediation should be planned in coordination with the DP Site Aggregate Area investigation as appropriate. Data obtained during the additional investigation activities should be sufficient to define the extent of contamination and perform risk-screening assessments for the two sites. If practicable, the additional investigation activities at the TA-21 sites should be performed as part of the DP Site Aggregate Area investigation and reported as part of that investigation.

At TA-26, a sampling plan will be developed to define the extent of contamination for the entire site and enable risk screening assessments to be performed.

For the specific sites discussed in section 5.2, removal of contaminated soil will be conducted to reduce the potential risk. Areas of excavated soil will be evaluated and sampled as necessary, both to confirm the remediation and to define the extent of contamination in those areas.

A Phase III investigation work plan will be developed to (1) identify the areas requiring soil remediation, (2) establish remediation goals and cleanup levels for areas to be remediated, and (3) provide a sampling plan that will define the vertical and lateral extent of contamination at TA-02 (as a whole and for individual sites), at the two TA-21 sites, and at the TA-26 site.

7.0 SCHEDULE FOR RECOMMENDED ACTIVITIES

A revised or Phase II investigation work plan will be developed and submitted to NMED within 6 months of approval of this investigation report. The work plan will provide details and a schedule for the implementation of remediation and sampling activities and submittal of a Phase IIinvestigation report.

8.0 REFERENCES AND MAP DATA SOURCES

8.1 References

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy–Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

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fwo_pmdoebnd03_ply

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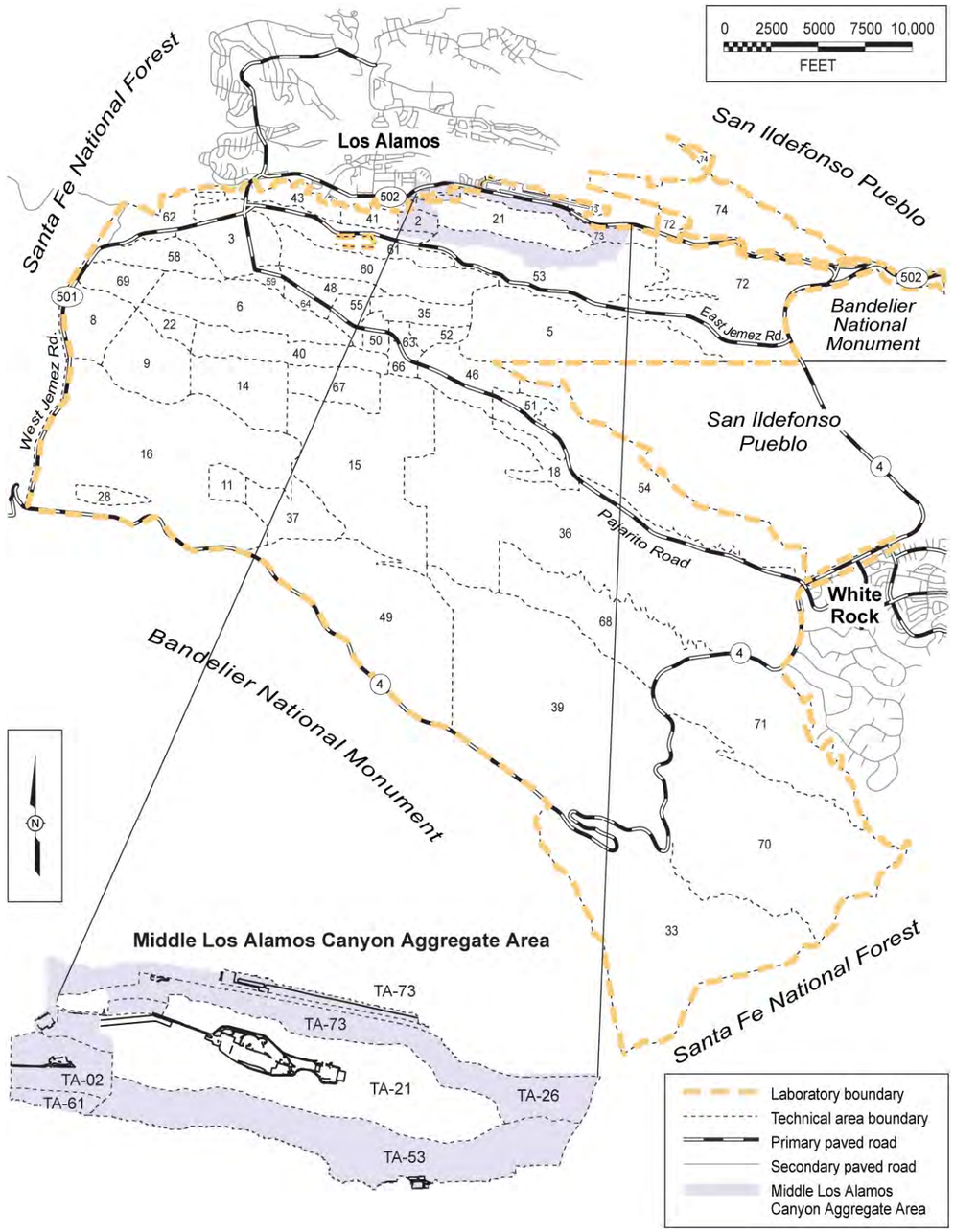


Figure 1.0-1 Locations of TA-02, -21, and -26 within the Middle Los Alamos Canyon Aggregate Area

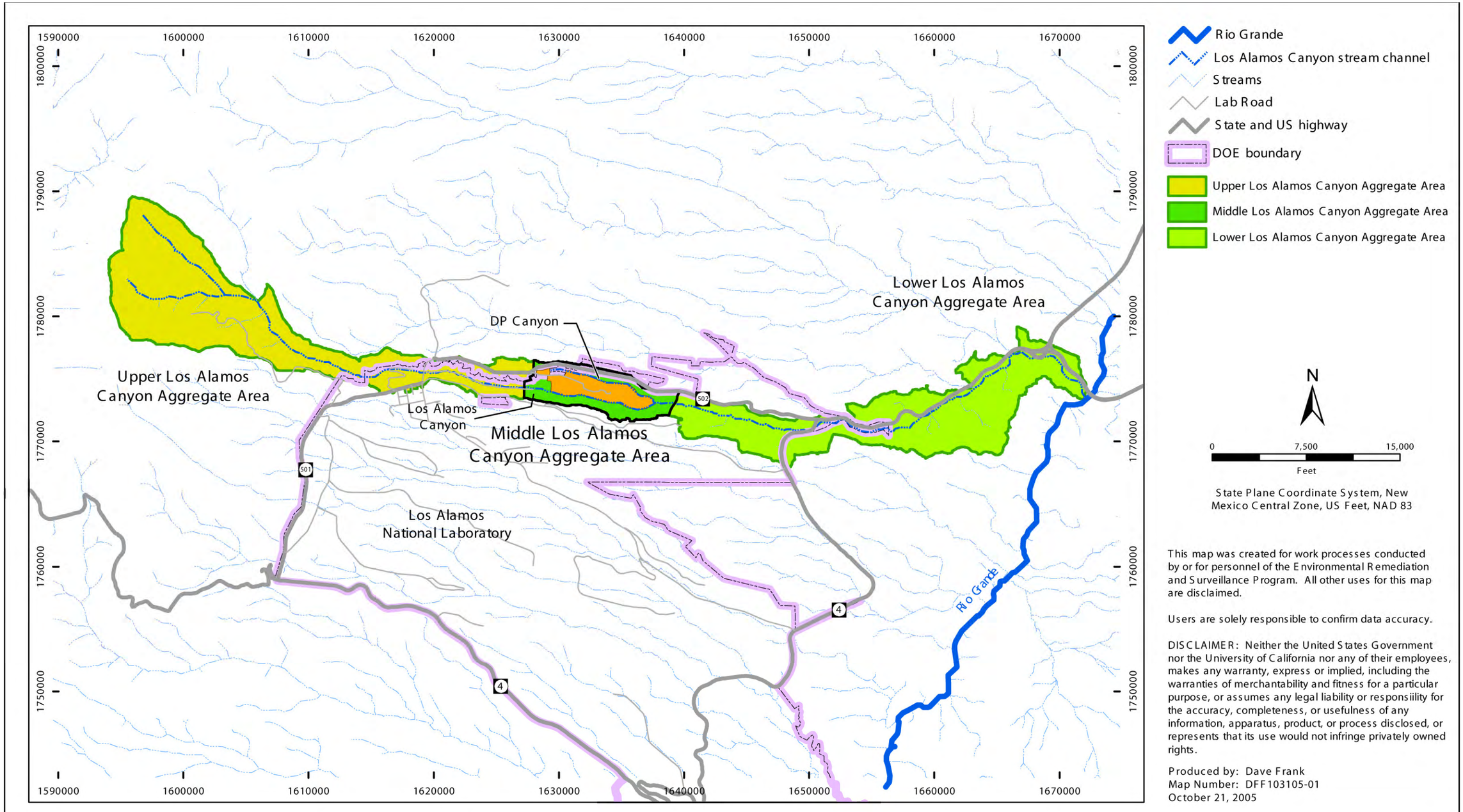


Figure 1.0-2 Los Alamos Canyon Watershed and Middle Los Alamos Canyon Aggregate Area

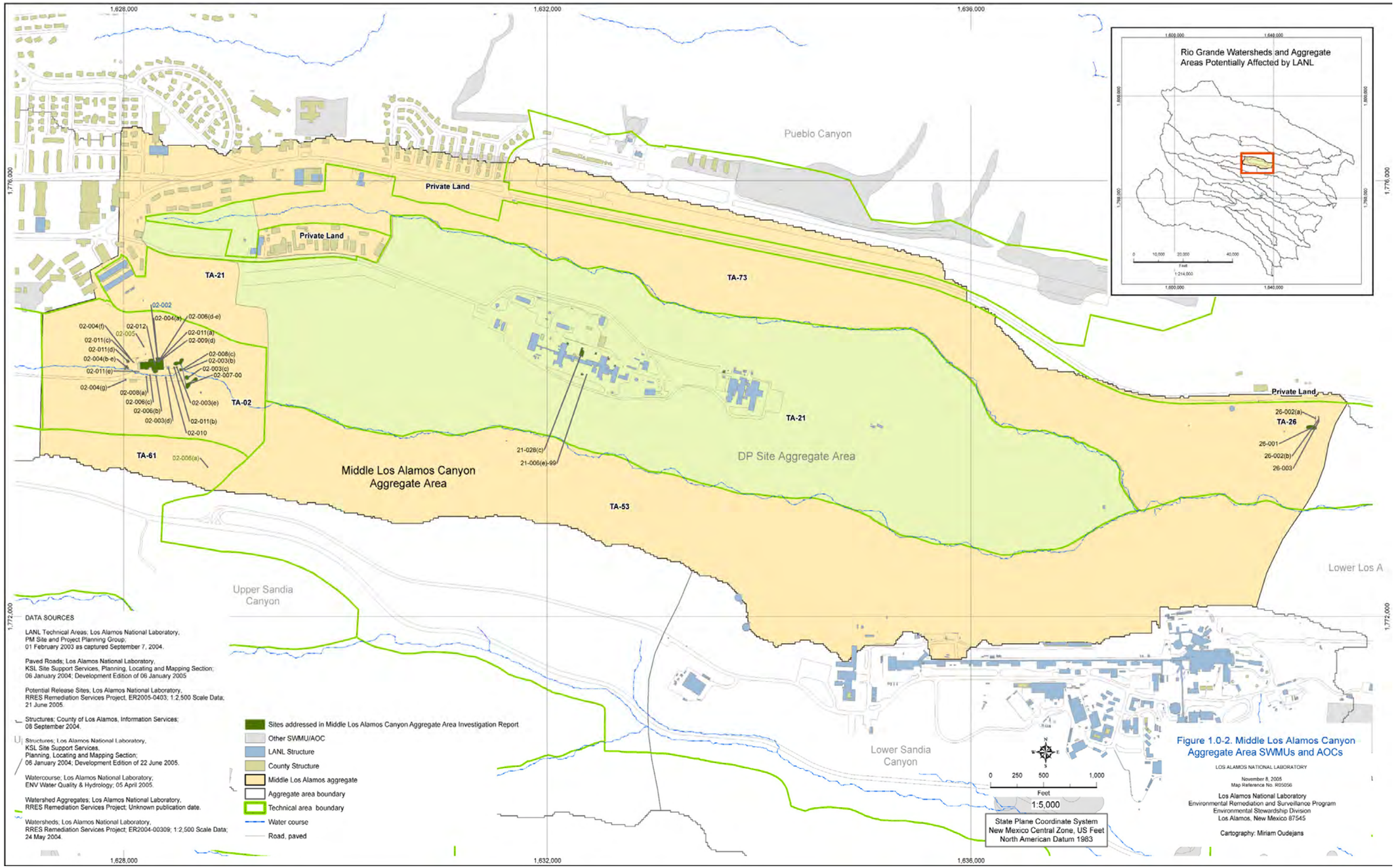


Figure 2.1-1 Middle Los Alamos Canyon Aggregate Area SWMUs, AOCs, and consolidated units included in this report

	Soil (ALLH)		
	Quaternary Alluvium (Qal)	Cobbles and boulders of reworked igneous and volcanic rock.	
Bandelier Tuff	Tshirege Member	Qbt4	Ash-flow units
		Qbt3	
		Qbt2	
		Qbt1v	
		Qbt1g	
		Tsankawi Pumice Bed	
Cerro Toledo interval		Volcaniclastic sediments and ash-falls	
Bandelier Tuff	Otowi Member (Qbo)	Ash-flow units	
		Guaje Pumice Bed	
Puye Formation and intercalated volcanic rocks	Fanglomerate	Fanglomerate facies includes sand, gravel, conglomerate, and tuffaceous sediments	
	Volcanic rocks	Cerros del Rio basalts intercalated within the Puye Formation, includes up to four interlayered basaltic flows. Andesites of the Tschicoma Formation present in western part of plateau	
	Fanglomerate	Fanglomerate facies includes sand, gravel, conglomerate, and tuffaceous sediments; includes “old alluvium”	
	Axial facies deposits of the ancestral Rio Grande	Totavi Lentil	
Santa Fe Group	Coarse sediments	Coarse-grained upper facies (called the ”Chaquehui Formation” by Purtymun 1995, 45344)	
	Basalt		
	Coarse sediments		
	Basalt		
	Coarse sediments		
	Basalt		
	Coarse sediments		
	Basalt		
	Coarse sediments		
	Arkosic clastic sedimentary deposits	Undivided Santa Fe Group (includes Chamita and Tesuque Formations)	

Sources: Baltz et al. (1963, 8402); Purtymun (1995, 045344); LANL (1998, 059599); Broxton and Reneau (1995, 049726).

Figure 2.1-2 Generalized stratigraphy of bedrock geologic units of the Pajarito Plateau

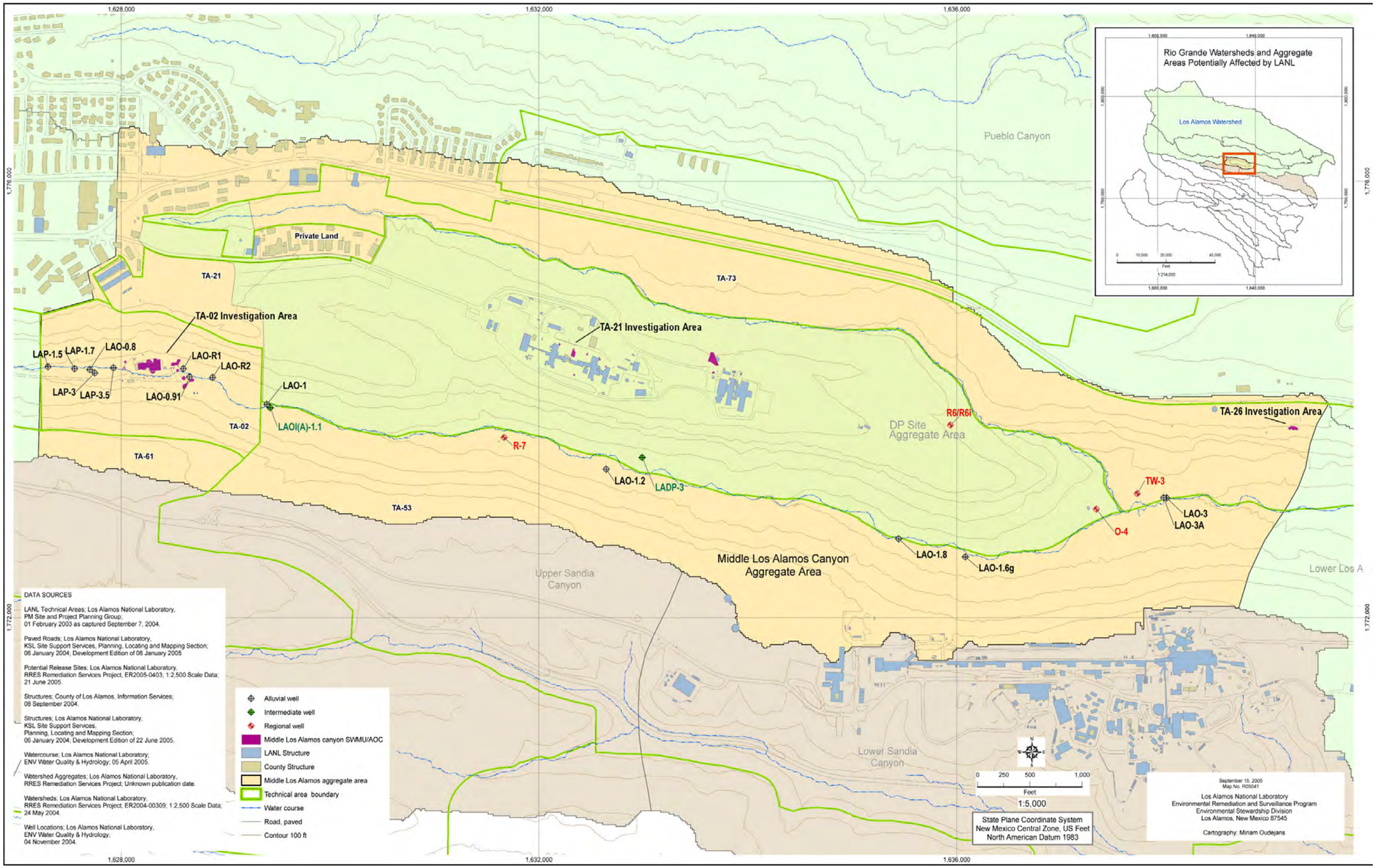
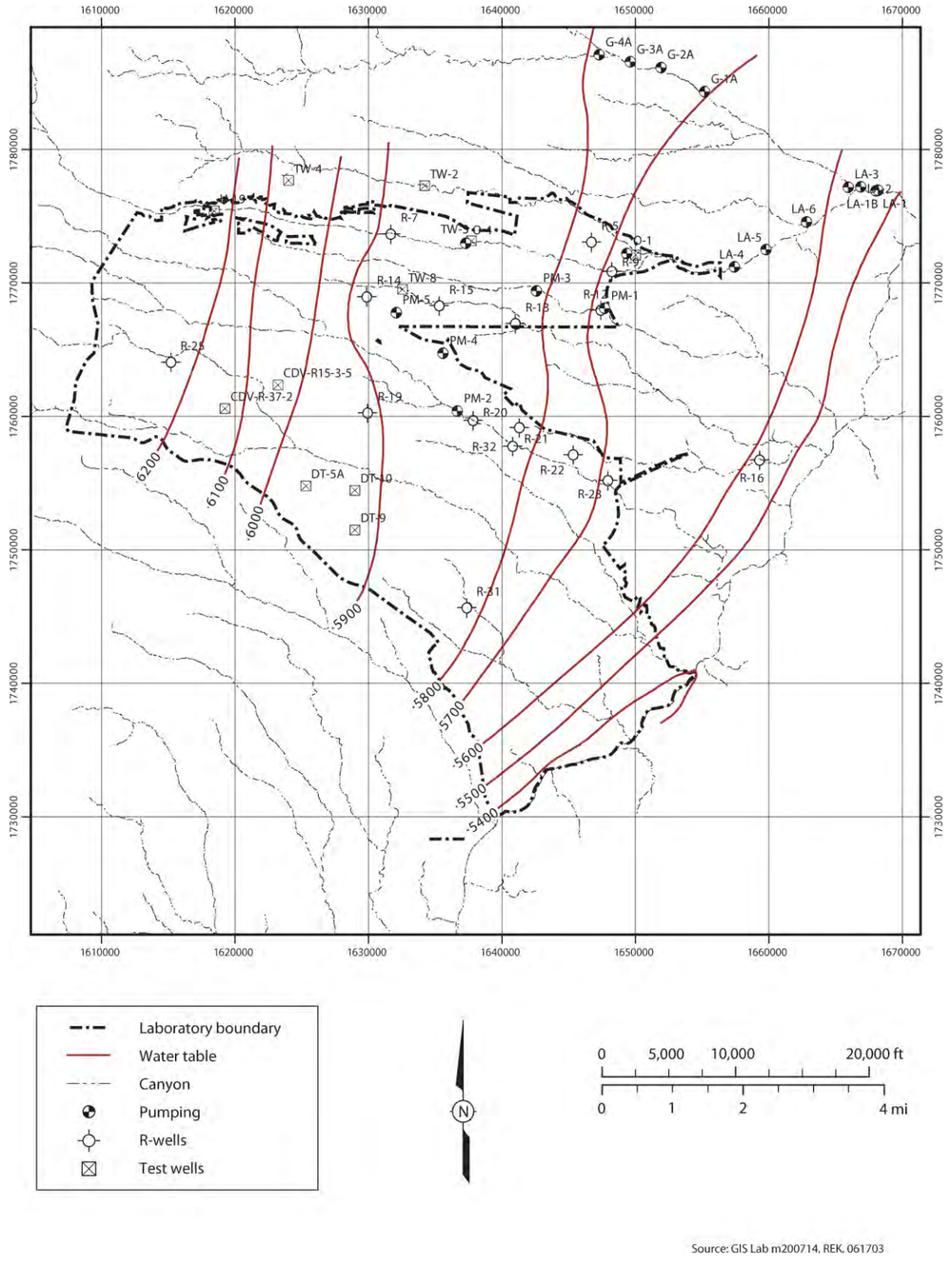


Figure 2.1-3 Alluvial, intermediate, and regional groundwater monitoring wells in Middle Los Alamos Canyon Aggregate Area



Source: GIS Lab m200714, REK, 061703

Figure 2.1-4 Depths to top of regional aquifer across Los Alamos National Laboratory

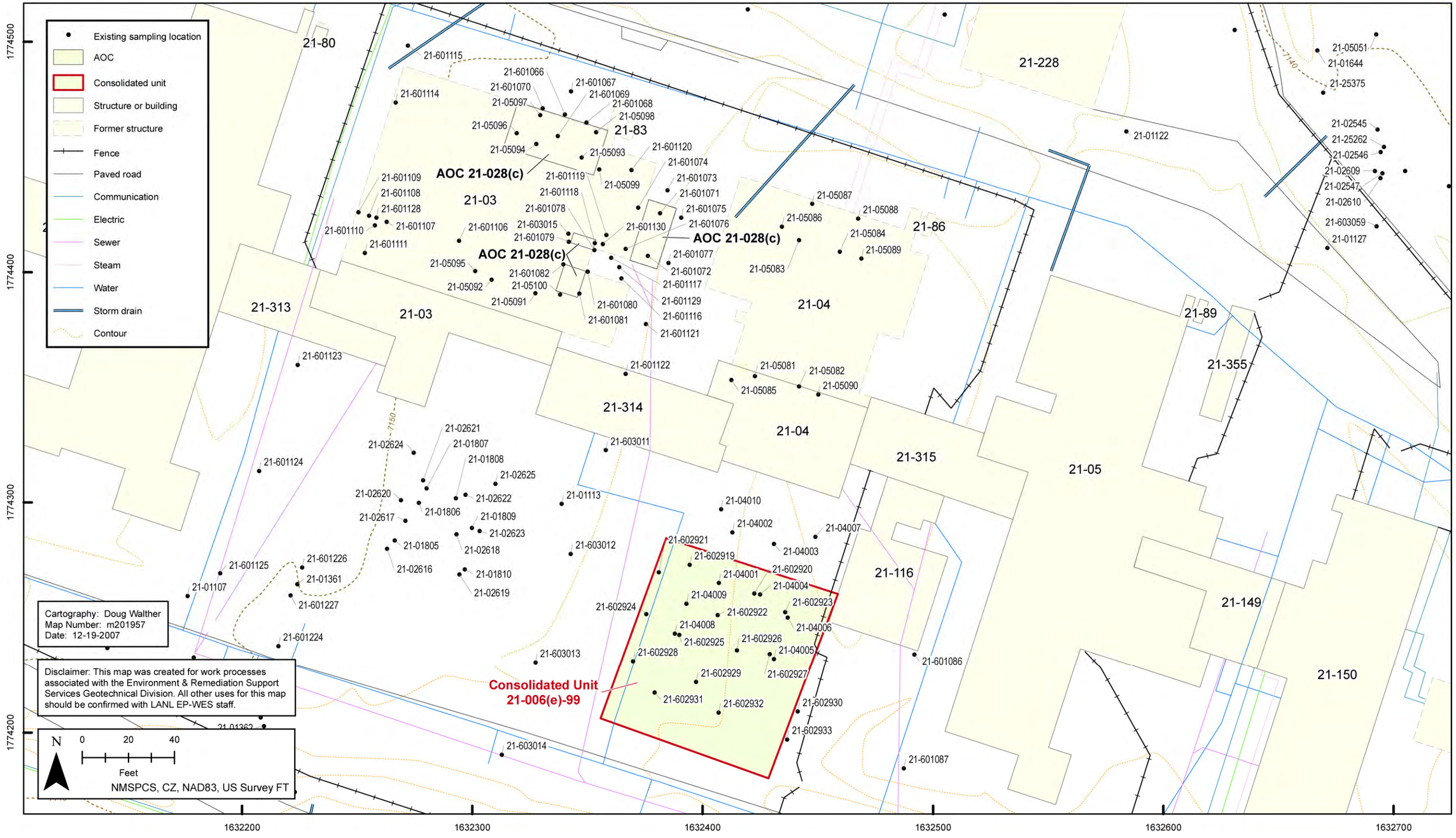


Figure 3.1-1 Site features and sample locations for Consolidated Unit 21-006(e)-99 and AOC 21-028(c)

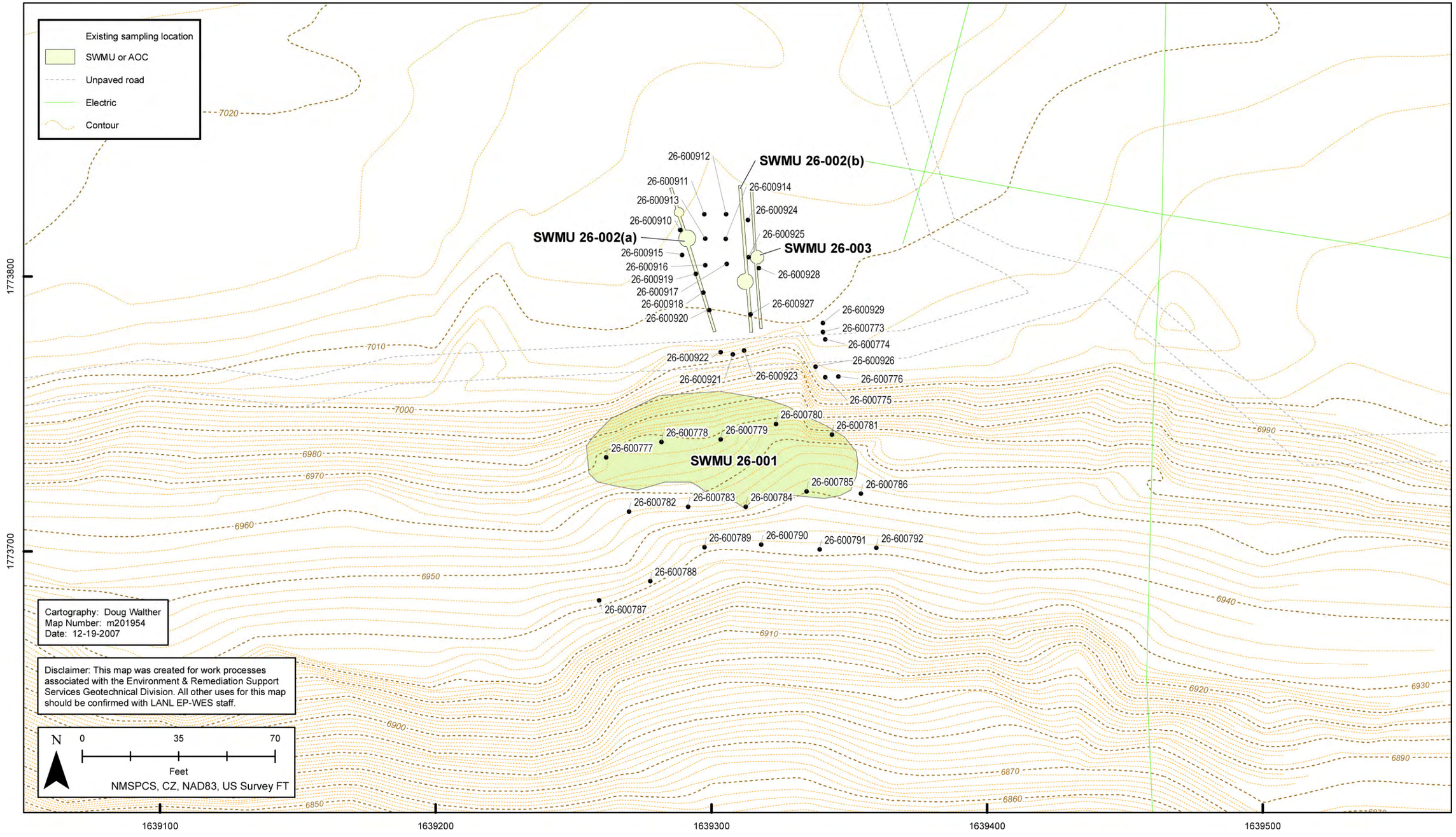


Figure 4.1-1 Site features and sample locations for TA-26 site

Table 1.1-1
Middle Los Alamos Canyon Aggregate Area Sites and Their Status

Consolidated Unit	SWMU/AOC Number	Site Description	Site Status	Site in This Report?
	AOC 00-010(a)	Surface disposal site	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 00-010(b)	Surface disposal site	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	AOC 00-027	Storage area	NFA approved by NMED 8/30/06 (NMED 2006, 093529)	No
	AOC 00-029(a)	Former transformer	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 00-029(b)	Former transformer	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 00-029(c)	Former transformer	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	SWMU 00-030(a)	Former septic system	Certificate of Completion Without Controls (NMED 2006, 091517)	No
00-030(b)-00	AOC 00-004	Container storage area	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	SWMU 00-030(b)	Septic tank	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	SWMU 00-030(l)	Septic tank	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	SWMU 00-030(m)	Septic tank	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	AOC 00-033(b)	Soil contamination	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	SWMU 00-033(a)	Soil contamination	Certificate of Completion Without Controls (NMED 2006, 091517)	No
	AOC 02-001	Unlocated burn pit	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC C-02-001	Steel nugget pile	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 02-002	Former storage area	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 02-003(a)	Soil contamination	Investigation	Section 2.2
	AOC 02-003(b)	Soil contamination	Investigation	Section 2.3
	AOC 02-003(c)	Soil contamination	Investigation	Section 2.4
	AOC 02-003(d)	Soil contamination	Investigation	Section 2.5
	AOC 02-003(e)	Soil contamination	Investigation	Section 2.6
	AOC 02-004(a)	Former reactor facility	Investigation	Section 2.7
	AOC 02-004(b)	Former storage tank	Investigation	Section 2.8
	AOC 02-004(c)	Former storage tank	Investigation	Section 2.8

Table 1.1-1 (continued)

Consolidated Unit	SWMU/AOC Number	Site Description	Site Status	Site in This Report?
	AOC 02-004(d)	Former storage tank	Investigation	Section 2.8
	AOC 02-004(e)	Former acid pit	Investigation	Section 2.9
	AOC 02-004(f)	Former equipment building	Investigation	Section 2.10
	AOC 02-004(g)	Soil contamination	Investigation	Section 2.11
	SWMU 02-005	Soil contamination	Investigation	Section 2.12
	SWMU 02-006(a)	Former French drain	Investigation	Section 2.13
	SWMU 02-006(b)	Former acid waste line	Investigation	Section 2.14
	AOC 02-006(c)	Former drainline	Investigation	Section 2.15
	AOC 02-006(d)	Former drainline	Investigation	Section 2.16
	AOC 02-006(e)	Former sump	Investigation	Section 2.17
02-007-00	SWMU 02-007	Septic system	Investigation	Section 2.18
	SWMU 02-009(a)	Soil contamination	Investigation	Section 2.18
	SWMU 02-009(b)	Soil contamination	Investigation	Section 2.18
	SWMU 02-009(c)	Soil contamination	Investigation	Section 2.18
	SWMU 02-008(a)	Outfall	Investigation	Section 2.19
	SWMU 02-008(b)	Outfall	Removed from Module VIII, HWFP* 11/09/01 (NMED 2001, 070236)	No
	AOC 02-008(c)	Outfall	Investigation	Section 2.20
	AOC 02-009(d)	Soil contamination	Investigation	Section 2.21
	AOC 02-009(e)	Duplicate of 02-009(c)	Investigation	Section 2.22
	AOC 02-010	Soil contamination	Investigation	Section 2.23
	AOC 02-011(a)	Storm drains	Investigation	Section 2.24
	AOC 02-011(b)	Former drainlines	Investigation	Section 2.25
	AOC 02-011(c)	Storm drain	Investigation	Section 2.26
	AOC 02-011(d)	Outfall	Investigation	Section 2.27
	AOC 02-011(e)	Outfall	Investigation	Section 2.28
	AOC 02-012	Soil contamination	Investigation	Section 2.29
	AOC 02-013	Former storage areas	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
21-004(b)-99	SWMU 21-004(b)	Aboveground tank	Investigation (delayed until buildings, processes, or utilities out of service)	No
	SWMU 21-004(c)	Aboveground tank	Investigation (delayed until buildings, processes, or utilities out of service)	No
	AOC 21-004(d)	Drainline	Investigation (delayed until buildings, processes, or utilities out of service)	No
21-006(e)-99	SWMU 21-006(e)	Seepage pit	Investigation	Section 3.2
	AOC 21-006(f)	Seepage pit	Investigation	Section 3.2

Table 1.1-1 (continued)

Consolidated Unit	SWMU/AOC Number	Site Description	Site Status	Site in This Report?
	SWMU 21-011(b)	Sump	Investigation (delayed until buildings, processes, or utilities out of service)	No
21-022(b)-99	SWMU 21-022(b)	Soil contamination	Investigation (delayed until buildings, processes, or utilities out of service)	No
	SWMU 21-022(c)	Soil contamination	Investigation (delayed until buildings, processes, or utilities out of service)	No
	SWMU 21-022(d)	Soil contamination	Investigation (delayed until buildings, processes, or utilities out of service)	No
	SWMU 21-022(e)	Soil contamination	Investigation (delayed until buildings, processes, or utilities out of service)	No
	SWMU 21-022(g)	Soil contamination	Investigation (delayed until buildings, processes, or utilities out of service)	No
	AOC 21-028(c)	Storage areas	Investigation	Section 3.3
	SWMU 26-001	Surface disposal site	Investigation	Section 4.2
	SWMU 26-002(a)	Soil contamination	Investigation	Section 4.3
	SWMU 26-002(b)	Drainline	Investigation	Section 4.4
	SWMU 26-003	Septic tank	Investigation	Section 4.5
	AOC 53-008	Storage area	To be included in the Lower Sandia Canyon Aggregate work plan (submittal date: 4/30/09).	No
	AOC 53-012(a)	Outfall	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 53-012(b)	Outfall	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC 53-012(c)	Outfall	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
	AOC C-53-017	One-time spill	NFA approved by EPA 1/21/05 (EPA 2005, 088464)	No
73-005-99	SWMU 73-005	Surface disposal area	Removed from Module VIII, HWFP* 09/05/03 (NMED 2003, 078138)	No
	AOC 73-007	Former septic tank	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No
	AOC C-73-005(a)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No
	AOC C-73-005(b)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No
	AOC C-73-005(c)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No

Table 1.1-1 (continued)

Consolidated Unit	SWMU/AOC Number	Site Description	Site Status	Site in This Report?
	AOC C-73-005(d)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No
	AOC C-73-005(e)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No
	AOC C-73-005(f)	Former unlined pit	NFA approved by NMED 3/28/01 (NMED 2001, 069874)	No

* The Laboratory's Hazardous Waste Facility Permit.

Table 1.3-1
Crosswalk of Proposed and Sampled Locations

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-003(a)	BH3a-1	02-600118
02-003(a)	BH3a-2	02-600119
02-003(a)	BH3a-3	02-600120
02-003(a)	BH3a-4	02-600121
02-003(a)	BH3a-5	02-600122
02-003(a)	BH3a-6	02-600123
02-003(a)	BH3a-7	02-600124
02-003(b)	BH3b-1	02-600125
02-003(b)	BH3b-2	02-600126
02-003(b)	BH3b-3	02-600127
02-003(b)	BH3b-4	02-600128
02-003(b)	BH3b-5	02-600129
02-003(c)	BH3c-1	02-600196
02-003(c)	BH3c-2	02-600197
02-003(c)	BH3c-3	02-600198
02-003(c)	BH3c-4	02-600199
02-003(c)	BH3c-5	02-600200
02-003(c)	BH3c-6	02-600201
02-003(c)	BH3c-7	02-600202
02-003(c)	BH3c-8	02-600203
02-003(c)	BH3c-9	02-600204
02-003(c)	BH3c-10	02-600205
02-003(e)	BH3e-1	02-600206
02-003(e)	BH3e-2	02-600207
02-003(e)	BH3e-3	02-600208
02-003(e)	BH3e-4	02-600209

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-008(c)	BH8c(i)-1	02-600210
02-011(b)	BH11b-1	02-600211
02-011(b)	BH11b-2	02-600212
02-011(b)	BH11b-3	02-600213
02-011(b)	BH11b-4	02-600214
02-011(b)	BH11b-5	02-600215
02-003(d)	BH3d-1	02-600216
02-003(d)	BH3d-2	02-600217
02-003(d)	BH3d-3	02-600218
02-003(d)	BH3d-4	02-600219
02-003(d)	BH3d-5	02-600220
02-003(d)	BH3d-6	02-600221
02-003(d)	BH3d-7	02-600222
02-003(d)	BH3d-8	02-600223
02-003(d)	BH3d-9	02-600224
02-003(d)	BH3d-10	02-600225
02-003(d)	BH3d-11	02-600226
02-003(d)	BH3d-12	02-600227
02-003(d)	BH3d-13	02-600228
02-003(d)	BH3d-14	02-600229
02-003(d)	BH3d-15	02-600230
02-003(d)	BH3d-16	02-600231
02-006(a)	BH6a-1	02-600247
02-006(a)	BH6a-2	02-600248
02-006(a)	BH6a-3	02-600249
02-006(a)	BH6a-4	02-600250
02-006(a)	BH6a-5	02-600251
02-006(a)	BH6a-6	02-600252
02-006(a)	BH6a-7	02-600253
02-006(a)	BH6a-8	02-600254
02-006(a)	BH6a-9	02-600255
02-006(a)	BH6a-10	02-600256
02-006(a)	BH6a-11	02-600257
02-006(a)	BH6a-12	02-600258
02-007-00	BH9a-1	02-600259
02-007-00	BH9a-2	02-600260
02-007-00	BH9a-3	02-600261
02-007-00	BH9a-4	02-600262
02-007-00	BH9a-5	02-600263

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-007-00	BH9a-6	02-600264
02-007-00	BH9a-7	02-600265
02-007-00	BH9a-8	02-600266
02-007-00	BH9a-9	02-600267
02-007-00	BH9a-10	02-600268
02-007-00	BH9a-11	02-600269
02-007-00	BH9a-12	02-600270
02-007-00	BH9a-13	02-600271
02-007-00	BH9a-14	02-600272
02-007-00	BH9a-15	02-600273
02-007-00	BH9a-16	02-600274
02-007-00	BH9a-17	02-600275
02-007-00	BH9a-18	02-600276
02-007-00	BH9a-19	02-600277
02-007-00	BH9a-20	02-600278
02-007-00	BH9a-21	02-600279
02-007-00	BH9a-22	02-600280
02-007-00	BH9a-23	02-600281
02-006(e)	BH6e-1	02-600282
02-006(e)	BH6e-2	02-600283
02-006(e)	BH6e-3	02-600284
02-006(e)	BH6e-4	02-600285
02-006(e)	BH6e-5	02-600286
02-006(e)	BH6e-6	02-600287
02-006(e)	BH6e-7	02-600288
02-006(e)	BH6e-8	02-600289
02-006(e)	BH6e-9	02-600290
02-006(e)	BH6e-10	02-600291
02-006(e)	BH6e-11	02-600292
02-006(b)	BH6b-1	02-600351
02-006(b)	BH6b-2	02-600352
02-006(b)	BH6b-3	02-600353
02-006(b)	BH6b-4	02-600354
02-006(b)	BH6b-5	02-600355
02-006(b)	BH6b-6	02-600356
02-006(b)	BH6b-7	02-600357
02-006(b)	BH6b-8	02-600358
02-006(b)	BH6b-9	02-600359
02-006(b)	BH6b-10	02-600360

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-006(b)	BH6b-11	02-600361
02-006(b)	BH6b-12	02-600362
02-006(b)	BH6b-13	02-600363
02-006(b)	BH6b-14	02-600364
02-006(b)	BH6b-15	02-600365
02-006(b)	BH6b-16	02-600366
02-006(b)	BH6b-17	02-600367
02-004(a)	BH4a-10	02-600378
02-004(a)	BH4a-11	02-600379
02-004(a)	BH4a-12	02-600380
02-004(a)	BH4a-13	02-600381
02-004(a)	BH4a-14	02-600382
02-004(a)	BH4a-15	02-600383
02-004(a)	BH4a-16	02-600384
02-011(a)	BH11a(i)-1	02-600385
02-011(a)	BH11a(i)-2	02-600386
02-011(a)	BH11a(i)-3	02-600387
02-011(a)	BH11a(iii)-1	02-600406
02-011(a)	BH11a(iii)-2	02-600407
02-011(a)	BH11a(iii)-3	02-600408
02-004(a)	BH4a-1	02-600409
02-004(a)	BH4a-2	02-600410
02-004(a)	BH4a-3	02-600411
02-004(a)	BH4a-4	02-600412
02-004(a)	BH4a-5	02-600413
02-004(a)	BH4a-6	02-600414
02-004(a)	BH4a-7	02-600415
02-004(a)	BH4a-8	02-600416
02-004(a)	BH4a-9	02-600417
02-012	BH12-5	02-600418
02-012	BH12-6	02-600419
02-012	BH12-7	02-600420
02-011(a)	BH11a(ix)-1	02-600431
02-011(a)	BH11a(ix)-2	02-600432
02-011(a)	BH11a(ix)-3	02-600433
02-011(a)	BH11a(ix)-4	02-600434
02-011(a)	BH11a(ix)-5	02-600435
02-011(a)	BH11a(ix)-6	02-600436
02-011(a)	BH11a(ix)-7	02-600437

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-011(a)	BH11a(ix)-8	02-600438
02-011(a)	BH11a(ix)-9	02-600439
02-011(a)	BH11a(ix)-10	02-600440
02-011(a)	BH11a(ix)-11	02-600441
02-011(a)	BH11a(ix)-12	02-600442
02-011(a)	BH11a(ix)-13	02-600443
02-011(a)	BH11a(ix)-14	02-600444
02-011(a)	BH11a(ix)-15	02-600445
02-011(a)	BH11a(ix)-16	02-600446
02-011(a)	BH11a(ix)-17	02-600447
02-011(a)	BH11a(ix)-18	02-600448
02-011(a)	BH11a(ii)-1	02-600449
02-011(a)	BH11a(v)-1	02-600450
02-011(a)	BH11a(v)-2	02-600451
02-012	BH12-1	02-600452
02-012	BH12-2	02-600453
02-012	BH12-3	02-600454
02-012	BH12-4	02-600455
02-004(a)	BH4a-20	02-600456
02-004(a)	BH4a-21	02-600457
02-004(a)	BH4a-22	02-600458
02-004(a)	BH4a-23	02-600459
02-004(a)	BH4a-24	02-600460
02-004(a)	BH4a-25	02-600461
02-004(a)	BH4a-26	02-600462
02-004(a)	BH4a-27	02-600463
02-004(a)	BH4a-28	02-600464
02-004(a)	BH4a-29	02-600465
02-004(a)	BH4a-30	02-600466
02-004(a)	BH4a-31	02-600467
02-004(a)	BH4a-32	02-600468
02-004(f)	BH4f-1	02-600469
02-004(f)	BH4f-2	02-600470
02-004(f)	BH4f-3	02-600471
02-004(f)	BH4f-4	02-600472
02-004(f)	BH4f-5	02-600473
02-004(f)	BH4f-6	02-600474
02-004(f)	BH4f-7	02-600475
02-004(f)	BH4f-8	02-600476

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-004(f)	BH4f-9	02-600477
02-004(f)	BH4f-10	02-600478
02-004(f)	BH4f-11	02-600479
02-004(f)	BH4f-12	02-600480
02-008(a)	BH8a-1	02-600481
02-008(a)	BH8a-2	02-600482
02-008(a)	BH8a-3	02-600483
02-008(a)	BH8a-4	02-600484
02-012	BH12-8	02-600485
02-012	BH12-9	02-600486
02-012	BH12-10	02-600487
02-012	BH12-11	02-600488
02-004(g)	BH4g-1	02-600489
02-004(g)	BH4g-2	02-600490
02-004(g)	BH4g-3	02-600491
02-004(g)	BH4g-4	02-600492
02-004(g)	BH4g-5	02-600493
02-004(g)	BH4g-6	02-600494
02-004(g)	BH4g-7	02-600495
02-004(g)	BH4g-8	02-600496
02-004(g)	BH4g-9	02-600497
02-004(b)	BH4b-1	02-600508
02-004(b)	BH4b-2	02-600509
02-004(b)	BH4b-3	02-600510
02-004(b)	BH4b-4	02-600511
02-004(d)	BH4d-1	02-600526
02-004(d)	BH4d-2	02-600527
02-004(d)	BH4d-3	02-600528
02-011(a)	BH11a(vi)-1	02-600532
02-011(a)	BH11a(vi)-2	02-600533
02-011(a)	BH11a(vi)-3	02-600534
02-004(e)	BH4e-1	02-600537
02-004(e)	BH4e-2	02-600538
02-004(e)	BH4e-3	02-600539
02-011(a)	BH11a(viii)-1	02-600542
02-011(a)	BH11a(viii)-2	02-600543
02-004(c)	BH4c-1	02-600545
02-004(c)	BH4c-2	02-600546
02-005	BH5-1	02-600547

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-005	BH5-2	02-600548
02-005	BH5-3	02-600549
02-005	BH5-4	02-600550
02-005	BH5-5	02-600551
02-005	BH5-6	02-600552
02-005	BH5-7	02-600553
02-005	BH5-8	02-600554
02-005	BH5-9	02-600555
02-005	BH5-10	02-600556
02-005	BH5-11	02-600557
02-005	BH5-12	02-600558
02-005	BH5-13	02-600559
02-005	BH5-14	02-600560
02-005	BH5-15	02-600561
02-005	BH5-16	02-600562
02-011(a)	BH11a(iv)-1	02-600563
02-004(f)	BH4f-13	02-600564
02-004(f)	BH4f-14	02-600565
02-004(f)	BH4f-15	02-600566
02-004(f)	BH4f-16	02-600567
02-004(f)	BH4f-17	02-600568
02-004(f)	BH4f-18	02-600569
02-004(f)	BH4f-19	02-600570
02-004(f)	BH4f-20	02-600571
02-004(f)	BH4f-21	02-600572
02-011(c)	BH11c-1	02-600573
02-011(d)	BH11d-1	02-600574
02-004(a)	BH4a-33	02-600580
02-004(a)	BH4a-34	02-600581
02-004(a)	BH4a-35	02-600582
02-004(a)	BH4a-36	02-600583
02-004(a)	BH4a-37	02-600584
02-006(c)	BH6c-1	02-600585
02-006(c)	BH6c-2	02-600586
02-006(c)	BH6c-3	02-600587
02-006(c)	BH6c-4	02-600588
02-006(c)	BH6c-5	02-600589
02-006(c)	BH6c-6	02-600590
02-006(c)	BH6c-7	02-600591

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-007-00	BH7-1	02-600592
02-007-00	BH7-2	02-600593
02-007-00	BH7-3	02-600594
02-007-00	BH7-4	02-600595
02-007-00	BH7-5	02-600596
02-007-00	BH7-6	02-600597
02-007-00	BH9c-20	02-600598
02-007-00	BH9c-21	02-600599
02-007-00	BH9c-22	02-600600
02-007-00	BH9c-23	02-600601
02-007-00	BH9c-24	02-600602
02-007-00	BH9c-25	02-600603
02-007-00	BH9c-26	02-600604
02-007-00	BH9b-1	02-600605
02-007-00	BH9b-2	02-600606
02-007-00	BH9b-3	02-600607
02-007-00	BH9b-4	02-600608
02-007-00	BH9b-5	02-600609
02-007-00	BH9b-6	02-600610
02-007-00	BH9b-7	02-600611
02-007-00	BH9b-8	02-600612
02-007-00	BH9b-9	02-600613
02-009(d)	BH9d-1	02-600614
02-009(d)	BH9d-2	02-600615
02-009(d)	BH9d-3	02-600616
02-009(d)	BH9d-4	02-600617
02-009(d)	BH9d-5	02-600618
02-009(d)	BH9d-6	02-600619
02-009(d)	BH9d-7	02-600620
02-009(d)	BH9d-8	02-600621
02-009(d)	BH9d-9	02-600622
02-009(d)	BH9d-10	02-600623
02-009(d)	BH9d-11	02-600624
02-008(c)	BH8c(ii)-1	02-600625
02-008(c)	BH8c(ii)-2	02-600626
02-008(c)	BH8c(ii)-3	02-600627
02-010	BH10-1	02-600628
02-010	BH10-2	02-600629
02-010	BH10-3	02-600630

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
02-010	BH10-4	02-600631
02-010	BH10-5	02-600632
02-010	BH10-6	02-600633
02-006(b)	BH6b-14	02-600634
02-010	BH10-7	02-600634
02-010	BH10-8	02-600635
02-010	BH10-9	02-600636
02-010	BH10-10	02-600637
02-010	BH10-11	02-600638
02-010	BH10-12	02-600639
02-010	BH10-13	02-600640
02-010	BH10-14	02-600641
02-007-00	BH9c-1	02-600643
02-007-00	BH9c-2	02-600644
02-007-00	BH9c-3	02-600645
02-007-00	BH9c-4	02-600646
02-007-00	BH9c-5	02-600647
02-007-00	BH9c-6	02-600648
02-007-00	BH9c-7	02-600649
02-007-00	BH9c-8	02-600650
02-007-00	BH9c-9	02-600651
02-007-00	BH9c-10	02-600652
02-011(a)	BH11a(x)-1	02-600660
02-011(a)	BH11a(x)-2	02-600661
02-011(a)	BH11a(x)-3	02-600662
02-011(a)	BH11a(x)-4	02-600663
02-011(a)	BH11a(x)-5	02-600664
02-011(a)	BH11a(x)-6	02-600665
02-011(a)	BH11a(x)-7	02-600666
02-007-00	BH9c-11	02-600698
02-007-00	BH9c-12	02-600699
02-007-00	BH9c-13	02-600700
02-007-00	BH9c-14	02-600701
02-007-00	BH9c-15	02-600702
02-007-00	BH9c-16	02-600703
02-007-00	BH9c-17	02-600704
02-007-00	BH9c-18	02-600705
02-007-00	BH9c-19	02-600706
21-028(c)	BH28c-1	21-601066

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
21-028(c)	BH28c-2	21-601067
21-028(c)	BH28c-3	21-601068
21-028(c)	BH28c-4	21-601069
21-028(c)	BH28c-5	21-601070
21-028(c)	BH28c-6	21-601071
21-028(c)	BH28c-7	21-601072
21-028(c)	BH28c-8	21-601073
21-028(c)	BH28c-9	21-601074
21-028(c)	BH28c-10	21-601075
21-028(c)	BH28c-11	21-601076
21-028(c)	BH28c-12	21-601077
21-028(c)	BH28c-13	21-601078
21-028(c)	BH28c-14	21-601079
21-028(c)	BH28c-15	21-601080
21-028(c)	BH28c-16	21-601081
21-028(c)	BH28c-17	21-601082
21-006(e)-99	BH6e-1	21-602919
21-006(e)-99	BH6e-2	21-602920
21-006(e)-99	BH6e-3	21-602921
21-006(e)-99	BH6e-4	21-602922
21-006(e)-99	BH6e-5	21-602923
21-006(e)-99	BH6e-6	21-602924
21-006(e)-99	BH6e-7	21-602925
21-006(e)-99	BH6e-8	21-602926
21-006(e)-99	BH6e-9	21-602927
21-006(e)-99	BH6e-10	21-602928
21-006(e)-99	BH6e-11	21-602929
21-006(e)-99	BH6e-12	21-602930
21-006(e)-99	BH6e-13	21-602931
21-006(e)-99	BH6e-14	21-602932
21-006(e)-99	BH6e-15	21-602933
TA-26 site	21	26-600773
TA-26 site	22	26-600774
TA-26 site	23	26-600775
TA-26 site	24	26-600776
TA-26 site	25	26-600777
TA-26 site	26	26-600778
TA-26 site	27	26-600779
TA-26 site	28	26-600780

Table 1.3-1 (continued)

SWMU, AOC, or Consolidated Unit	Investigation Work Plan Location*	Investigation Report Location ID
TA-26 site	29	26-600781
TA-26 site	30	26-600782
TA-26 site	31	26-600783
TA-26 site	32	26-600784
TA-26 site	33	26-600785
TA-26 site	34	26-600786
TA-26 site	35	26-600787
TA-26 site	36	26-600788
TA-26 site	37	26-600789
TA-26 site	38	26-600790
TA-26 site	39	26-600791
TA-26 site	40	26-600792
TA-26 site	1	26-600910
TA-26 site	2	26-600911
TA-26 site	3	26-600912
TA-26 site	4	26-600913
TA-26 site	5	26-600914
TA-26 site	6	26-600915
TA-26 site	7	26-600916
TA-26 site	8	26-600917
TA-26 site	9	26-600918
TA-26 site	10	26-600919
TA-26 site	11	26-600920
TA-26 site	12	26-600921
TA-26 site	13	26-600922
TA-26 site	14	26-600923
TA-26 site	15	26-600924
TA-26 site	16	26-600925
TA-26 site	17	26-600926
TA-26 site	18	26-600927
TA-26 site	19	26-600928
TA-26 site	20	26-600929

* Approved investigation work plan (LANL 2006, 092571.12).

Table 1.3-2
Samples Collected and Analyses Requested

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
AOC 02-003(a)																							
0402-95-0294	02-01042	0.0–1.0	QBT2	—[a]	—	—	58[b]	58	—	—	58	58	—	—	—	—	—	58	—	—	—	—	—
0402-95-0295	02-01042	3.5–4.5	QBT2	—	—	—	58	58	—	—	58	58	—	—	—	—	—	58	—	—	—	—	—
0402-95-0296	02-01042	7.5–8.5	QBT2	—	—	—	58	58	—	—	58	58	—	—	—	—	—	58	—	—	—	—	—
0402-95-0393	02-01042	7.5–8.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	662	—	—	—
0402-95-0297	02-01042	10.0–15.0	QBT2	—	—	—	58	58	—	—	58	58	—	—	—	—	—	58	—	—	—	—	—
CA02-00-0140	02-01241	3.0–4.0	FILL	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0141	02-01241	7.5–8.5	FILL	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0142	02-01241	11.5–12.5	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0143	02-01241	15.0–16.5	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0144	02-01242	0.0–1.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0145	02-01242	2.5–4.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0146	02-01242	6.0–7.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0147	02-01242	10.5–14.5	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0148	02-01242	15.0–16.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
RE02-07-670	02-600118	0.0–0.5	ALLH	07-792	07-792	—	07-792	07-792	—	—	07-792	07-792	07-792	07-792	07-792	—	—	07-792	07-792	—	—	—	07-792
RE02-07-673	02-600118	9.5–12.0	QBO	07-792	07-792	—	07-792	07-792	—	—	07-792	07-792	07-792	07-792	07-792	—	—	07-792	07-792	—	—	07-792	07-792
RE02-07-6820	02-600118	14.5–19.0	QBO	07-1139	07-1139	—	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	07-1137	07-1139	—	—	07-1139	07-1137	—	—	07-1137	07-1139
RE02-07-674	02-600119	0.0–0.5	ALLH	07-593	07-592	—	07-593	07-593	—	—	07-593	07-593	07-592	07-591	07-592	—	—	07-593	07-591	—	—	—	07-592
RE02-07-675	02-600119	4.5–7.3	QAL	07-593	07-592	—	07-593	07-593	—	—	07-593	07-593	07-592	07-591	07-592	—	—	07-593	07-591	—	—	07-591	07-592
RE02-07-676	02-600119	15.0–21.0	QBO	07-607	07-606	—	07-607	07-607	—	—	07-607	07-607	07-606	07-605	07-606	—	—	07-607	07-605	—	—	07-605	07-606
RE02-07-678	02-600120	0.0–0.5	ALLH	07-593	07-592	—	07-593	07-593	—	—	07-593	07-593	07-592	07-591	07-592	—	—	07-593	07-591	—	—	—	07-592
RE02-07-679	02-600120	4.5–7.6	QAL	07-593	07-592	—	07-593	07-593	—	—	07-593	07-593	07-592	07-591	07-592	—	—	07-593	07-591	—	—	07-591	07-592
RE02-07-680	02-600120	14.5–17.8	QBO	07-593	07-592	—	07-593	07-593	—	—	07-593	07-593	07-592	07-591	07-592	—	—	07-593	07-591	—	—	07-591	07-592
RE02-07-682	02-600121	0.0–0.5	ALLH	07-607	07-606	—	07-607	07-607	—	—	07-607	07-607	07-606	07-605	07-606	—	—	07-607	07-605	—	—	—	07-606
RE02-07-683	02-600121	4.5–6.3	QAL	07-662	07-661	—	07-662	07-662	—	—	07-662	07-662	07-661	07-660	07-661	—	—	07-662	07-660	—	—	07-660	07-661
RE02-07-685	02-600121	10.0–12.3	QAL	07-662	07-661	—	07-662	07-662	—	—	07-662	07-662	07-661	07-660	07-661	—	—	07-662	07-660	—	—	07-660	07-661
RE02-07-684	02-600121	15.0–21.0	QBO	07-662	07-661	—	07-662	07-662	—	—	07-662	07-662	07-661	07-660	07-661	—	—	07-662	07-660	—	—	07-660	07-661
RE02-07-686	02-600122	0.0–0.5	ALLH	07-414	07-414	—	07-414	07-414	—	—	07-414	07-414	07-414	07-414	07-414	—	—	07-414	07-414	—	—	—	07-414
RE02-07-687	02-600122	2.0–4.5	QAL	07-570	07-570	—	07-570	07-570	—	—	07-570	07-570	07-570	07-570	07-570	—	—	07-570	07-570	—	—	07-570	07-570
RE02-07-688	02-600122	4.5–7.5	QAL	07-570	07-570	—	07-570	07-570	—	—	07-570	07-570	07-570	07-570	07-570	—	—	07-570	07-570	—	—	07-570	07-570
RE02-07-689	02-600123	0.0–0.5	ALLH	07-607	07-606	—	07-607	07-607	—	—	07-607	07-607	07-606	—	07-606	—	—	07-607	—	—	—	—	07-606
RE02-07-690	02-600123	2.0–2.5	QAL	07-662	07-661	—	07-662	07-662	—	—	07-662	07-662	07-661	07-660	07-661	—	—	07-662	07-660	—	—	07-660	07-661
RE02-07-691	02-600123	4.5–6.7	QAL	07-918	07-918	—	07-918	07-918	—	—	07-918	07-918	07-918	07-918	07-918	—	—	07-918	07-918	—	—	07-918	07-918
RE02-07-692	02-600124	0.0–0.5	ALLH	07-607	07-606	—	07-607	07-607	—	—	07-607	07-607	07-606	07-605	07-606	—	—	07-607	07-605	—	—	—	07-606

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-693	02-600124	2.0–3.7	QAL	07-918	07-918	—	07-918	07-918	—	—	07-918	07-918	07-918	07-918	07-918	—	—	07-918	07-918	—	—	07-918	07-918
RE02-07-694	02-600124	4.5–5.7	QAL	07-918	07-918	—	07-918	07-918	—	—	07-918	07-918	07-918	07-918	07-918	—	—	07-918	07-918	—	—	07-918	07-918
AOC 02-003(b)																							
0402-95-0279	02-01104	9.0–10.0	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	32	—	—	—	—
0402-95-0280	02-01104	13.0–14.0	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	32	—	—	—	—
0402-95-0394	02-01104	13.0–14.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	662	—	—	—
RE02-07-696	02-600125	0.0–0.5	ALLH	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	—	07-679
RE02-07-697	02-600125	4.5–9.0	QAL	07-813	07-812	—	07-813	07-813	—	—	07-813	07-813	07-812	07-811	07-812	—	—	07-813	07-811	—	—	07-811	07-812
RE02-07-698	02-600125	9.0–11.3	QAL	07-813	07-812	—	07-813	07-813	—	—	07-813	07-813	07-812	07-811	07-812	—	—	07-813	07-811	—	—	07-811	07-812
RE02-07-699	02-600125	14.5–16.7	QBO	07-813	07-812	—	07-813	07-813	—	—	07-813	07-813	07-812	07-811	07-812	—	—	07-813	07-811	—	—	07-811	07-812
RE02-07-701	02-600126	0.0–0.5	ALLH	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	—	07-679
RE02-07-702	02-600126	4.5–5.2	QAL	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	07-678	07-679
RE02-07-703	02-600126	9.5–12.7	QAL	07-813	07-812	—	07-813	07-813	—	—	07-813	07-813	07-812	07-811	07-812	—	—	07-813	07-811	—	—	07-811	07-812
RE02-07-704	02-600126	14.5–16.7	QBO	07-813	07-812	—	07-813	07-813	—	—	07-813	07-813	07-812	07-811	07-812	—	—	07-813	07-811	—	—	07-811	07-812
RE02-07-706	02-600127	0.0–0.5	ALLH	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	—	07-679
RE02-07-707	02-600127	4.5–6.4	QAL	07-954	07-954	—	07-954	07-954	—	—	07-954	07-954	07-954	07-954	07-954	—	—	07-954	07-954	—	—	07-954	07-954
RE02-07-708	02-600127	9.5–11.9	QBO	07-925	07-925	—	07-925	07-925	—	—	07-925	07-925	07-925	07-925	07-925	—	—	07-925	07-925	—	—	07-925	07-925
RE02-07-711	02-600128	0.0–0.5	SED	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	—	07-679
RE02-07-716	02-600129	0.0–0.5	ALLH	07-680	07-679	—	07-680	07-680	—	—	07-680	07-680	07-679	07-678	07-679	—	—	07-680	07-678	—	—	—	07-679
AOC 02-003(c)																							
0402-95-0291	02-01043	7.5–8.5	QBT2	—	—	—	53	53	—	—	53	53	—	—	—	—	—	53	—	—	—	—	—
0402-95-0292	02-01043	14.0–15.0	QBT2	—	—	—	53	53	—	—	53	53	—	—	—	—	—	53	—	—	—	—	—
0402-95-0029	02-01144	14.0–15.0	QBT2	—	—	—	48	48	—	—	48	48	—	—	—	—	—	48	—	—	—	—	—
0402-95-0033	02-01145	9.0–10.0	QBT2	—	—	—	53	53	—	—	53	53	—	—	—	—	—	53	—	—	—	—	—
0402-95-0397	02-01145	9.0–10.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	662	—	—	—
0402-95-0034	02-01145	12.5–13.5	QBT2	—	—	—	53	53	—	—	53	53	—	—	—	—	—	53	—	—	—	—	—
CA02-00-0125	02-01237	8.0–8.75	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0128	02-01238	14.0–14.75	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
RE02-07-6177	02-600196	0.0–0.5	ALLH	07-838	07-838	—	07-838	07-838	—	—	07-838	07-838	07-838	07-837	07-838	—	—	07-838	07-837	—	—	—	07-838
RE02-07-806	02-600196	0.0–4.5	ALLH	07-349	07-348	—	07-349	07-349	—	—	07-349	07-349	07-348	07-347	07-348	—	—	07-349	07-347	—	—	—	07-348
RE02-07-807	02-600196	4.5–9.0	QAL	07-349	07-348	—	07-349	07-349	—	—	07-349	07-349	07-348	07-347	07-348	—	—	07-349	07-347	—	—	07-347	07-348
RE02-07-808	02-600196	19.0–22.0	QBO	07-386	07-385	—	07-386	07-386	—	—	07-386	07-386	07-385	07-384	07-385	—	—	07-386	07-384	—	—	07-384	07-385
RE02-07-810	02-600197	0.0–0.5	ALLH	07-1077	07-1077	—	07-1077	07-1077	—	—	07-1077	07-1077	07-1077	—	07-1077	—	—	07-1077	07-1077	—	—	—	07-1077
RE02-07-811	02-600197	4.5–9.5	QAL	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-813	02-600197	9.5–12.0	QAL	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-812	02-600197	14.5–18.5	QBO	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-814	02-600198	0.0–0.5	ALLH	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	—	07-1060

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-815	02-600198	0.5–5.0	QAL	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	07-1059	07-1060
RE02-07-817	02-600198	14.5–19.5	QAL	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	07-1059	07-1060
RE02-07-816	02-600198	19.5–24.5	QBO	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	07-1059	07-1060
RE02-07-818	02-600199	0.0–0.5	ALLH	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	—	07-1060
RE02-07-819	02-600199	4.5–7.3	QAL	07-1061	07-1060	—	07-1061	07-1061	—	—	07-1061	07-1061	07-1060	—	07-1060	—	—	07-1061	07-1059	—	—	07-1059	07-1060
RE02-07-822	02-600200	0.0–0.5	ALLH	07-674	07-674	—	07-674	07-674	—	—	07-674	07-674	07-674	—	07-674	—	—	07-674	—	—	—	—	07-674
RE02-07-823	02-600200	4.5–7.0	QAL	07-1078	07-1078	—	07-1078	07-1078	—	—	07-1078	07-1078	07-1078	—	07-1078	—	—	07-1078	07-1078	—	—	07-1078	07-1078
RE02-07-825	02-600200	9.5–14.5	QBO	07-1078	07-1078	—	07-1078	07-1078	—	—	07-1078	07-1078	07-1078	—	07-1078	—	—	07-1078	07-1078	—	—	07-1078	07-1078
RE02-07-824	02-600200	14.5–19.5	QBO	07-1078	07-1078	—	07-1078	07-1078	—	—	07-1078	07-1078	07-1078	—	07-1078	—	—	07-1078	07-1078	—	—	07-1078	07-1078
RE02-07-826	02-600201	0.0–0.5	ALLH	07-1080	07-1080	—	07-1080	07-1080	—	—	07-1080	07-1080	07-1080	—	07-1080	—	—	07-1080	07-1080	—	—	—	07-1080
RE02-07-827	02-600201	4.5–6.7	QAL	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-829	02-600201	9.5–11.5	QAL	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-828	02-600201	15.9–20.5	QBO	07-1101	07-1101	—	07-1101	07-1101	—	—	07-1101	07-1101	07-1101	—	07-1101	—	—	07-1101	07-1101	—	—	07-1101	07-1101
RE02-07-830	02-600202	0.0–0.5	ALLH	07-1077	07-1077	—	07-1077	07-1077	—	—	07-1077	07-1077	07-1077	—	07-1077	—	—	07-1077	07-1077	—	—	—	07-1077
RE02-07-831	02-600202	4.5–6.2	QAL	07-1080	07-1080	—	07-1080	07-1080	—	—	07-1080	07-1080	07-1080	—	07-1080	—	—	07-1080	—	—	—	07-1080	07-1080
RE02-07-834	02-600203	0.0–0.5	ALLH	07-1077	07-1077	—	07-1077	07-1077	—	—	07-1077	07-1077	07-1077	—	07-1077	—	—	07-1077	07-1077	—	—	—	07-1077
RE02-07-835	02-600203	4.5–6.5	QAL	07-1106	07-1106	—	07-1106	07-1106	—	—	07-1106	07-1106	07-1106	—	07-1106	—	—	07-1106	07-1106	—	—	07-1106	07-1106
RE02-07-837	02-600203	9.0–11.0	QAL	07-1106	07-1106	—	07-1106	07-1106	—	—	07-1106	07-1106	07-1106	—	07-1106	—	—	07-1106	07-1106	—	—	07-1106	07-1106
RE02-07-836	02-600203	14.0–16.5	QBO	07-1106	07-1106	—	07-1106	07-1106	—	—	07-1106	07-1106	07-1106	—	07-1106	—	—	07-1106	07-1106	—	—	07-1106	07-1106
RE02-07-838	02-600204	0.0–0.5	ALLH	07-1077	07-1077	—	07-1077	07-1077	—	—	07-1077	07-1077	07-1077	—	07-1077	—	—	07-1077	07-1077	—	—	—	07-1077
RE02-07-839	02-600204	4.5–9.5	QAL	07-1080	07-1080	—	07-1080	07-1080	—	—	07-1080	07-1080	07-1080	—	07-1080	—	—	07-1080	07-1080	—	—	07-1080	07-1080
RE02-07-841	02-600204	9.5–14.0	QAL	07-1080	07-1080	—	07-1080	07-1080	—	—	07-1080	07-1080	07-1080	—	07-1080	—	—	07-1080	07-1080	—	—	07-1080	07-1080
RE02-07-840	02-600204	19.0–24.0	QBO	07-1085	07-1085	—	07-1085	07-1085	—	—	07-1085	07-1085	07-1085	—	07-1085	—	—	07-1085	07-1085	—	—	07-1085	07-1085
RE02-07-842	02-600205	0.0–0.5	SED	07-1113	07-1113	—	07-1113	07-1113	—	—	07-1113	07-1113	07-1113	—	07-1113	—	—	07-1113	07-1113	—	—	—	07-1113
AOC 02-003(d)																							
CA02-00-0281	02-01254	0.0–0.5	ALLH	—	—	—	7571R	—	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	—	—	—	—	—
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	—	—	—	—	—
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	—	—	—	—	—
CA02-00-0284	02-01255	2.2–2.5	ALLH	—	—	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	—	—	—	—	—
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	7558R	7558R	—	—	7558R	7558R	7556R, 7557R	—	—	—	—	7558R	—	—	—	—	—
CA02-00-0286	02-01256	2.0–2.75	FILL	—	—	—	7558R	7558R	—	—	7558R	7558R	7556R, 7557R	—	—	—	—	7558R	—	—	—	—	—
RE02-07-6885	02-600216	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	07-895	07-895	—	07-895	07-895	—	—	07-895	07-895	07-895	—	07-895	—	—	07-895	—	—	—	—	07-895
RE02-07-6888	02-600217	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	07-994	07-994	—	07-994	07-994	—	—	07-994	07-994	07-994	—	07-994	—	—	07-994	—	—	—	—	07-994
RE02-07-6891	02-600218	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	07-903	07-903	—	07-903	07-903	—	—	07-903	07-903	07-903	—	07-903	—	—	07-903	—	—	—	—	07-903

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-6892	02-600218	2.0–2.5	QCT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-933	02-600218	2.0–4.0	QCT	07-903	07-903	—	07-903	07-903	—	—	07-903	07-903	07-903	—	07-903	—	—	07-903	—	—	—	—	07-903
RE02-07-934	02-600218	4.0–5.25	QCT	07-903	07-903	—	07-903	07-903	—	—	07-903	07-903	07-903	—	07-903	—	—	07-903	—	—	—	—	07-903
RE02-07-6893	02-600218	4.5–5.0	QCT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-935	02-600219	0.0–0.5	ALLH	07-355	07-354	—	07-355	07-355	—	—	07-355	07-355	07-354	07-353	07-354	—	—	07-355	07-353	—	—	—	07-354
RE02-07-936	02-600219	2.0–2.5	QAL	07-355	07-354	—	07-355	07-355	—	—	07-355	07-355	07-354	07-353	07-354	—	—	07-355	07-353	—	—	07-353	07-354
RE02-07-937	02-600219	2.7–3.4	QAL	07-355	07-354	—	07-355	07-355	—	—	07-355	07-355	07-354	07-353	07-354	—	—	07-355	07-353	—	—	07-353	07-354
RE02-07-6894	02-600220	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-938	02-600220	0.0–0.5	ALLH	07-895	07-895	—	07-895	07-895	—	—	07-895	07-895	07-895	—	07-895	—	—	07-895	—	—	—	—	07-895
RE02-07-6897	02-600221	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-941	02-600221	0.0–1.2	ALLH	07-895	07-895	—	07-895	07-895	—	—	07-895	07-895	07-895	—	07-895	—	—	07-895	—	—	—	—	07-895
RE02-07-6900	02-600222	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-944	02-600222	0.0–0.5	ALLH	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6903	02-600223	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-947	02-600223	0.0–0.5	ALLH	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6906	02-600224	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	07-1008	07-1008	—	07-1008	07-1008	—	—	07-1008	07-1008	07-1008	—	07-1008	—	—	07-1008	—	—	—	—	07-1008
RE02-07-6909	02-600225	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6912	02-600226	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-956	02-600226	0.0–0.5	ALLH	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6913	02-600226	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	07-1174	—
RE02-07-957	02-600226	2.0–3.0	QAL	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6915	02-600227	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—
RE02-07-959	02-600227	0.0–0.5	ALLH	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6916	02-600227	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	07-1174	—
RE02-07-960	02-600227	2.0–2.8	QAL	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6917	02-600227	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	07-1174	—
RE02-07-961	02-600227	4.5–5.7	QAL	07-878	07-878	—	07-878	07-878	—	—	07-878	07-878	07-878	—	07-878	—	—	07-878	—	—	—	—	07-878
RE02-07-6918	02-600228	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	07-1174	—	—	—	—	07-1174	—	—	—	—
RE02-07-962	02-600228	0.0–0.5	ALLH	07-1079	07-1079	—	07-1079	07-1079	—	—	07-1079	07-1079	07-1079	—	07-1079	—	—	07-1079	—	—	—	—	07-1079
RE02-07-6919	02-600228	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-963	02-600228	2.0–2.5	QAL	07-1079	07-1079	—	07-1079	07-1079	—	—	07-1079	07-1079	07-1079	—	07-1079	—	—	07-1079	—	—	—	—	07-1079
RE02-07-6920	02-600228	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-964	02-600228	4.5–5.0	QAL	07-1079	07-1079	—	07-1079	07-1079	—	—	07-1079	07-1079	07-1079	—	07-1079	—	—	07-1079	—	—	—	—	07-1079
RE02-07-6921	02-600229	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	—	—
RE02-07-965	02-600229	0.0–0.5	ALLH	07-1112	07-1112	—	07-1112	07-1112	—	—	07-1112	07-1112	07-1112	—	07-1112	—	—	07-1112	—	—	—	—	07-1112

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-6922	02-600229	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-966	02-600229	2.0–3.1	QAL	07-1112	07-1112	—	07-1112	07-1112	—	—	07-1112	07-1112	07-1112	—	07-1112	—	—	07-1112	—	—	—	—	07-1112
RE02-07-6923	02-600229	4.5–5.0	QCT	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-967	02-600229	4.5–5.7	QCT	07-1112	07-1112	—	07-1112	07-1112	—	—	07-1112	07-1112	07-1112	—	07-1112	—	—	07-1112	—	—	—	—	07-1112
RE02-07-6924	02-600230	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	—	—
RE02-07-968	02-600230	0.0–0.5	ALLH	07-1112	07-1112	—	07-1112	07-1112	—	—	07-1112	07-1112	07-1112	—	07-1112	—	—	07-1112	—	—	—	—	07-1112
RE02-07-6925	02-600230	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-969	02-600230	2.0–2.5	QAL	07-1112	07-1112	—	07-1112	07-1112	—	—	07-1112	07-1112	07-1112	—	07-1112	—	—	07-1112	—	—	—	—	07-1112
RE02-07-6927	02-600231	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	—	—
RE02-07-971	02-600231	0.0–1.0	ALLH	07-1132	07-1132	—	07-1132	07-1132	—	—	07-1132	07-1132	07-1132	—	07-1132	—	—	07-1132	—	—	—	—	07-1132
RE02-07-6928	02-600231	2.0–2.5	QBT3	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-972	02-600231	2.0–2.5	QBT3	07-1132	07-1132	—	07-1132	07-1132	—	—	07-1132	07-1132	07-1132	—	07-1132	—	—	07-1132	—	—	—	—	07-1132
RE02-07-6929	02-600231	4.5–5.0	QBT3	—	—	—	—	—	—	—	—	—	—	07-1178	—	—	—	—	07-1178	—	—	07-1178	—
RE02-07-973	02-600231	4.5–5.5	QBT3	07-1132	07-1132	—	07-1132	07-1132	—	—	07-1132	07-1132	07-1132	—	07-1132	—	—	07-1132	—	—	—	—	07-1132
AOC 02-003(e)																							
CA02-00-0132	02-01240	3.0–4.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0133	02-01240	6.0–7.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0138	02-01240	21.5–22.5	QBT3	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
RE02-07-858	02-600206	0.0–0.5	ALLH	07-437	07-437	—	07-437	07-437	—	—	07-437	07-437	07-437	07-437	07-437	—	—	07-437	07-437	—	—	—	07-437
RE02-07-859	02-600206	4.5–7.5	QAL	07-424	07-424	—	07-424	07-424	—	—	07-424	07-424	07-424	07-424	07-424	—	—	07-424	07-424	—	—	07-424	07-424
RE02-07-860	02-600206	9.5–12.1	QAL	07-580	07-579	—	07-580	07-580	—	—	07-580	07-580	07-579	07-578	07-579	—	—	07-580	07-578	—	—	07-578	07-579
RE02-07-861	02-600206	19.5–23.4	QBO	07-580	07-579	—	07-580	07-580	—	—	07-580	07-580	07-579	07-578	07-579	—	—	07-580	07-578	—	—	07-578	07-579
RE02-07-863	02-600207	0.0–0.5	ALLH	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	—	07-654
RE02-07-864	02-600207	4.5–8.1	QAL	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654
RE02-07-865	02-600207	9.5–11.4	QAL	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654
RE02-07-866	02-600207	13.5–16.6	QBO	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654
RE02-07-868	02-600208	0.0–0.5	ALLH	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	—	07-654
RE02-07-869	02-600208	4.5–6.7	QAL	07-863	07-863	—	07-863	07-863	—	—	07-863	07-863	07-863	07-863	07-863	—	—	07-863	07-863	—	—	07-863	07-863
RE02-07-870	02-600208	9.5–11.6	QAL	07-863	07-863	—	07-863	07-863	—	—	07-863	07-863	07-863	07-863	07-863	—	—	07-863	07-863	—	—	07-863	07-863
RE02-07-871	02-600208	14.5–16.5	QBO	07-863	07-863	—	07-863	07-863	—	—	07-863	07-863	07-863	07-863	07-863	—	—	07-863	07-863	—	—	07-863	07-863
RE02-07-873	02-600209	0.0–0.5	ALLH	07-608	07-608	—	07-608	07-608	—	—	07-608	07-608	07-608	07-608	07-608	—	—	07-608	07-608	—	—	—	07-608
RE02-07-874	02-600209	4.5–6.5	QAL	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-875	02-600209	9.5–11.9	QAL	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654
RE02-07-876	02-600209	14.5–17.1	QBO	07-655	07-654	—	07-655	07-655	—	—	07-655	07-655	07-654	07-653	07-654	—	—	07-655	07-653	—	—	07-653	07-654
AOC 02-004(a)																							
RE02-03-51840	02-22359	9.0–9.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-07-1528	02-600378	0.0–0.5	ALLH	07-748	07-747	—	07-748	07-748	—	—	07-748	07-748	07-747	07-746	07-747	—	—	07-748	—	—	—	—	07-747
RE02-07-6840	02-600378	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6841	02-600378	9.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1529	02-600378	9.5–12.0	QBO	07-920	07-920	—	07-920	07-920	—	—	07-920	07-920	07-920	07-920	07-920	—	—	07-920	—	—	—	—	07-920
RE02-07-1530	02-600378	12.0–15.0	QBO	07-920	07-920	—	07-920	07-920	—	—	07-920	07-920	07-920	07-920	07-920	—	—	07-920	—	—	—	—	07-920
RE02-07-6843	02-600378	13.0–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1532	02-600379	0.0–0.5	ALLH	07-748	07-747	—	07-748	07-748	—	—	07-748	07-748	07-747	07-746	07-747	—	—	07-748	—	—	—	—	07-747
RE02-07-6844	02-600379	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6845	02-600379	9.5–10.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1533	02-600379	9.5–14.0	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-6847	02-600379	10.5–11.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	07-748	07-747	—	07-748	07-748	—	—	07-748	07-748	07-747	07-746	07-747	—	—	07-748	—	—	—	—	07-747
RE02-07-6848	02-600380	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6849	02-600380	9.5–10.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1537	02-600380	9.5–12.0	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-6851	02-600380	11.0–12.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	07-340	07-339	—	07-340	07-340	—	—	07-340	07-340	07-339	07-338	07-339	—	—	07-340	07-338	—	—	—	07-339
RE02-07-1541	02-600381	7.0–10.0	QAL	07-340	07-339	—	07-340	07-340	—	—	07-340	07-340	07-339	07-338	07-339	—	—	07-340	07-338	—	—	07-338	07-339
RE02-07-1542	02-600381	16.5–20.0	QBO	07-340	07-339	—	07-340	07-340	—	—	07-340	07-340	07-339	07-338	07-339	—	—	07-340	07-338	—	—	07-338	07-339
RE02-07-1544	02-600382	0.0–0.5	ALLH	07-748	07-747	—	07-748	07-748	—	—	07-748	07-748	07-747	07-746	07-747	—	—	07-748	—	—	—	—	07-747
RE02-07-6856	02-600382	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6857	02-600382	9.5–10.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1545	02-600382	9.5–12.0	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-6859	02-600382	12.0–13.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1546	02-600382	12.5–16.0	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-1548	02-600383	0.0–0.5	ALLH	07-748	07-747	—	07-748	—	—	—	07-748	07-748	07-747	07-748	07-747	—	—	07-748	—	—	—	—	07-747

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-6860	02-600383	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6861	02-600383	9.5–10.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1549	02-600383	9.5–12.0	QAL	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-1550	02-600383	13.0–18.5	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-6863	02-600383	15.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1552	02-600384	0.0–0.5	ALLH	07-748	07-747	—	07-748	—	—	—	07-748	07-748	07-747	07-748	07-747	—	—	07-748	—	—	—	—	07-747
RE02-07-6864	02-600384	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	—	—
RE02-07-6865	02-600384	9.5–10.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1553	02-600384	9.5–13.0	QAL	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-1554	02-600384	13.5–17.0	QBO	07-939	07-938	—	07-939	07-939	—	—	07-939	07-939	07-938	07-937	07-938	—	—	07-939	—	—	—	—	07-938
RE02-07-6867	02-600384	15.0–17.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1152	—	—	07-1152	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	07-445	07-444	07-442	07-445	07-445	—	—	07-445	07-445	07-444	07-443	07-444	—	—	07-445	07-443	—	07-443	—	07-444
RE02-07-1656	02-600409	4.5–9.5	QAL	—	07-754	07-773	—	—	—	—	—	—	07-754	07-753	07-754	—	—	—	07-753	—	07-753	07-753	07-754
RE02-07-1657	02-600409	9.5–14.5	QAL	07-755	07-754	07-773	07-755	07-755	—	—	07-755	07-755	07-754	07-753	07-754	—	—	07-755	07-753	—	07-753	07-753	07-754
RE02-07-1659	02-600409	14.5–24.5	QBO	07-755	07-754	07-773	07-755	07-755	—	—	07-755	07-755	07-754	07-753	07-754	—	—	07-755	07-753	—	07-753	07-753	07-754
RE02-07-1661	02-600410	0.0–0.5	ALLH	07-466	07-465	07-463	07-466	07-466	—	—	07-466	07-466	07-465	07-464	07-465	—	—	07-466	07-464	—	07-464	—	07-465
RE02-07-1662	02-600410	4.5–9.5	QAL	07-732	07-731	07-729	07-732	07-732	—	—	07-732	07-732	07-731	07-730	07-731	—	—	07-732	07-730	—	07-730	07-730	07-731
RE02-07-1667	02-600411	0.0–0.5	ALLH	07-466	07-465	07-463	07-466	07-466	—	—	07-466	07-466	07-465	07-464	07-465	—	—	07-466	07-464	—	07-464	—	07-465
RE02-07-1668	02-600411	4.5–7.0	QAL	07-732	07-731	07-729	07-732	07-732	—	—	07-732	07-732	07-731	07-730	07-731	—	—	07-732	07-730	—	07-730	07-730	07-731
RE02-07-1669	02-600411	9.5–14.5	QAL	07-732	07-731	07-729	07-732	07-732	—	—	07-732	07-732	07-731	07-730	07-731	—	—	07-732	07-730	—	07-730	07-730	07-731
RE02-07-1671	02-600411	14.5–21.0	QBO	07-732	07-731	07-729	07-732	07-732	—	—	07-732	07-732	07-731	07-730	07-731	—	—	07-732	07-730	—	07-730	07-730	07-731
RE02-07-1673	02-600412	0.0–0.5	ALLH	07-466	07-465	07-463	07-466	07-466	—	—	07-466	07-466	07-465	07-464	07-465	—	—	07-466	07-464	—	07-464	—	07-465
RE02-07-1674	02-600412	4.5–9.5	QAL	07-721	07-721	07-720	07-721	07-721	—	—	07-721	07-721	07-721	07-721	07-721	—	—	07-721	07-721	—	07-721	07-721	07-721
RE02-07-1675	02-600412	9.5–12.0	QAL	07-721	07-721	07-720	07-721	07-721	—	—	07-721	07-721	07-721	07-721	07-721	—	—	07-721	07-721	—	07-721	07-721	07-721
RE02-07-1679	02-600413	0.0–0.5	ALLH	07-466	07-465	07-463	07-466	07-466	—	—	07-466	07-466	07-465	07-464	07-465	—	—	07-466	07-464	—	07-464	—	07-465
RE02-07-1680	02-600413	4.5–9.5	QAL	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	07-742	07-742	07-743
RE02-07-1681	02-600413	9.5–14.5	QAL	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	07-742	07-742	07-743
RE02-07-1683	02-600413	14.5–22.5	QBO	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	07-742	07-742	07-743
RE02-07-1685	02-600414	0.0–0.5	ALLH	07-493	07-492	07-491	07-493	07-493	—	—	07-493	07-493	07-492	07-492	07-492	—	—	07-493	07-492	—	—	—	07-492
RE02-07-1686	02-600414	4.5–9.5	QAL	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	—	07-742	07-743
RE02-07-1687	02-600414	9.5–14.5	QAL	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	—	07-742	07-743
RE02-07-1689	02-600414	14.5–20.0	QBO	07-744	07-743	07-774	07-744	07-744	—	—	07-744	07-744	07-743	07-742	07-743	—	—	07-744	07-742	—	—	07-742	07-743
RE02-07-1691	02-600415	0.0–0.5	ALLH	07-379	07-378	07-376	07-379	07-379	—	—	07-379	07-379	07-378	07-377	07-378	—	—	07-379	07-377	—	—	—	07-378
RE02-07-1692	02-600415	4.5–5.1	ALLH	07-379	07-378	07-376	07-379	07-379	—	—	07-379	07-379	07-378	07-377	07-378	—	—	07-379	07-377	—	—	07-377	07-378
RE02-07-1693	02-600415	9.5–14.0	QAL	07-417	07-416	07-431	07-417	07-417	—	—	07-417	07-417	07-416	07-415	07-416	—	—	07-417	07-415	—	—	07-415	07-416
RE02-07-1696	02-600415	14.5–16.6	QAL	07-417	07-416	07-431	07-417	07-417	—	—	07-417	07-417	07-416	07-415	07-416	—	—	07-417	07-415	—	—	07-415	07-416
RE02-07-1695	02-600415	19.5–21.7	QBO	07-417	07-416	07-431	07-417	07-417	—	—	07-417	07-417	07-416	07-415	07-416	—	—	07-417	07-415	—	—	07-415	07-416

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1697	02-600416	0.0–0.5	ALLH	07-493	07-492	07-491	07-493	07-493	—	—	07-493	07-493	07-492	07-492	07-492	—	—	07-493	07-492	—	—	—	07-492
RE02-07-1699	02-600416	9.5–14.5	QAL	07-771	07-770	07-772	07-771	07-771	—	—	07-771	07-771	07-770	07-769	07-770	—	—	07-771	07-769	—	—	07-769	07-770
RE02-07-1701	02-600416	14.5–19.5	QBO	07-771	07-770	07-772	07-771	07-771	—	—	07-771	07-771	07-770	07-769	07-770	—	—	07-771	07-769	—	—	07-769	07-770
RE02-07-1703	02-600417	0.0–0.5	ALLH	07-493	—	07-491	07-493	07-493	—	—	07-493	07-493	07-492	07-492	07-492	—	—	07-493	07-492	—	—	—	07-492
RE02-07-1704	02-600417	4.5–9.5	QAL	07-771	07-770	07-772	07-771	07-771	—	—	07-771	07-771	07-770	07-769	07-770	—	—	07-771	07-769	—	—	07-769	07-770
RE02-07-1707	02-600417	13.0–15.5	QBO	07-771	07-770	07-772	07-771	07-771	—	—	07-771	07-771	07-770	07-769	07-770	—	—	07-771	07-769	—	—	07-769	07-770
RE02-07-1919	02-600456	0.0–0.5	ALLH	07-1073	07-1072	—	07-1073	07-1073	—	—	07-1073	07-1073	07-1072	07-1071	07-1072	—	—	07-1073	07-1071	—	07-1071	—	07-1072
RE02-07-1922	02-600456	10.0–14.0	QAL	07-1073	07-1072	—	07-1073	07-1073	—	—	07-1073	07-1073	07-1072	07-1071	07-1072	—	—	07-1073	07-1071	—	07-1071	07-1071	07-1072
RE02-07-1921	02-600456	14.0–19.0	QBO	07-1073	07-1072	—	07-1073	07-1073	—	—	07-1073	07-1073	07-1072	07-1071	07-1072	—	—	07-1073	07-1071	—	07-1071	07-1071	07-1072
RE02-07-1923	02-600457	0.0–0.5	ALLH	07-1062	07-1062	—	07-1062	07-1062	—	—	07-1062	07-1062	07-1062	07-1062	07-1062	—	—	07-1062	07-1062	—	07-1062	—	07-1062
RE02-07-1926	02-600457	9.5–14.0	QAL	07-1073	07-1072	—	07-1073	07-1073	—	—	07-1073	07-1073	07-1072	07-1071	07-1072	—	—	07-1073	07-1071	—	07-1071	07-1071	07-1072
RE02-07-1925	02-600457	14.0–19.0	QBO	07-1073	07-1072	—	07-1073	07-1073	—	—	07-1073	07-1073	07-1072	07-1071	07-1072	—	—	07-1073	07-1071	—	07-1071	07-1071	07-1072
RE02-07-1927	02-600458	0.0–0.5	ALLH	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	—	07-1046
RE02-07-1930	02-600458	9.5–14.5	QAL	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	07-1045	07-1046
RE02-07-1929	02-600458	15.5–19.5	QBO	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1931	02-600459	0.0–0.5	ALLH	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	—	07-1046
RE02-07-1934	02-600459	9.5–14.0	QAL	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	07-1045	07-1046
RE02-07-1933	02-600459	15.0–19.0	QBO	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	07-1045	07-1046
RE02-07-1935	02-600460	0.0–2.3	ALLH	07-334	07-333	—	07-334	07-334	—	—	07-334	07-334	07-333	07-332	07-333	—	—	07-334	07-332	—	07-333	—	07-333
RE02-07-1937	02-600460	15.5–20.0	QBO	07-334	07-333	—	07-334	07-334	—	—	07-334	07-334	07-333	07-332	07-333	—	—	07-334	07-332	—	07-333	07-332	07-333
RE02-07-1939	02-600461	0.0–0.5	ALLH	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	—	07-1051
RE02-07-1941	02-600461	9.5–14.0	QBO	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1943	02-600462	0.0–0.5	ALLH	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	—	07-1051
RE02-07-1946	02-600462	9.5–14.0	QAL	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1945	02-600462	15.0–20.0	QBO	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1947	02-600463	0.0–0.5	ALLH	07-1062	07-1062	—	07-1062	07-1062	—	—	07-1062	07-1062	07-1062	07-1062	07-1062	—	—	07-1062	07-1062	—	07-1062	—	07-1062
RE02-07-1951	02-600464	0.0–0.5	ALLH	07-1047	07-1046	—	07-1047	07-1047	—	—	07-1047	07-1047	07-1046	07-1045	07-1046	—	—	07-1047	07-1045	—	07-1045	—	07-1046
RE02-07-1955	02-600465	0.0–0.5	ALLH	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	—	07-1051
RE02-07-1957	02-600465	9.5–17.0	QBO	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1959	02-600466	0.0–0.5	ALLH	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	—	07-1051
RE02-07-1961	02-600466	10.0–15.0	QBO	07-1052	07-1051	—	07-1052	07-1052	—	—	07-1052	07-1052	07-1051	07-1050	07-1051	—	—	07-1052	07-1050	—	07-1050	07-1050	07-1051
RE02-07-1963	02-600467	0.0–0.8	ALLH	07-334	07-333	—	07-334	07-334	—	—	07-334	07-334	07-333	07-332	07-333	—	—	07-334	07-332	—	07-333	—	07-333
RE02-07-1964	02-600467	9.5–10.0	QAL	07-334	07-333	—	07-334	07-334	—	—	07-334	07-334	07-333	07-332	07-333	—	—	07-334	07-332	—	07-333	07-332	07-333
RE02-07-1965	02-600467	10.0–12.5	QBO	07-358	07-357	—	07-358	07-358	—	—	07-358	07-358	07-357	07-356	07-357	—	—	07-358	07-356	—	07-357	07-356	07-357
RE02-07-1967	02-600468	0.0–1.9	ALLH	07-1105	07-1105	—	07-1105	07-1105	—	—	07-1105	07-1105	07-1105	07-1105	07-1105	—	—	07-1105	07-1105	—	07-1105	—	07-1105
RE02-07-2584	02-600580	0.0–0.5	ALLH	07-1081	07-1081	—	07-1081	07-1081	—	—	07-1081	07-1081	07-1081	—	07-1081	—	—	07-1081	07-1081	—	—	—	07-1081
RE02-07-2586	02-600580	11.0–16.0	QBO	07-1081	07-1081	—	07-1081	07-1081	—	—	07-1081	07-1081	07-1081	—	07-1081	—	—	07-1081	07-1081	—	—	—	07-1081

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2589	02-600581	0.0–0.5	ALLH	07-1081	07-1081	—	07-1081	07-1081	—	—	07-1081	07-1081	07-1081	—	07-1081	—	—	07-1081	07-1081	—	—	—	07-1081
RE02-07-6930	02-600581	9.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—
RE02-07-2592	02-600581	9.5–13.0	QAL	07-1089	07-1089	—	07-1089	07-1089	—	—	07-1089	07-1089	07-1089	—	07-1089	—	—	07-1089	07-1089	—	—	—	07-1089
RE02-07-6931	02-600581	13.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—
RE02-07-2591	02-600581	14.0–16.0	QBO	07-1089	07-1089	—	07-1089	07-1089	—	—	07-1089	07-1089	07-1089	—	07-1089	—	—	07-1089	07-1089	—	—	—	07-1089
RE02-07-2594	02-600582	0.0–0.5	ALLH	07-1136	07-1136	—	07-1136	07-1136	—	—	07-1136	07-1136	07-1136	—	07-1136	—	—	07-1136	07-1136	—	—	—	07-1136
RE02-07-2599	02-600583	0.0–1.5	ALLH	07-372	07-371	—	07-372	07-372	—	—	07-372	07-372	07-371	—	07-371	—	—	07-372	07-370	—	—	—	07-371
RE02-07-2601	02-600583	8.5–10.0	ALLH	07-372	07-371	—	07-372	07-372	—	—	07-372	07-372	07-371	—	07-371	—	—	07-372	07-370	—	—	07-370	07-371
RE02-07-2602	02-600583	15.5–20.0	QBO	07-375	07-374	—	07-375	07-375	—	—	07-375	07-375	07-374	—	07-374	—	—	07-375	07-373	—	—	07-373	07-374
RE02-07-6932	02-600584	1.5–2.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	07-1049	07-1049	—	07-1049	07-1049	—	—	07-1049	07-1049	07-1049	—	07-1049	—	—	07-1049	07-1049	—	—	—	07-1049
RE02-07-6933	02-600584	9.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—
RE02-07-2605	02-600584	9.5–11.7	QAL	07-1049	07-1049	—	07-1049	07-1049	—	—	07-1049	07-1049	07-1049	—	07-1049	—	—	07-1049	07-1049	—	—	—	07-1049
RE02-07-6934	02-600584	16.5–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	07-1174	—
RE02-07-2606	02-600584	16.5–21.0	QBO	07-1049	07-1049	—	07-1049	07-1049	—	—	07-1049	07-1049	07-1049	—	07-1049	—	—	07-1049	07-1049	—	—	—	07-1049
AOCs 02-004(b,c,d)																							
RE02-07-2222	02-600508	0.0–0.5	ALLH	07-483	07-482	07-481	07-483	07-483	—	—	07-483	07-483	07-482	07-482	07-482	—	—	07-483	07-482	—	—	—	07-482
RE02-07-2224	02-600508	13.0–15.0	QBO	07-713	07-713	07-712	07-713	07-713	—	—	07-713	07-713	07-713	07-713	07-713	—	—	07-713	07-713	—	—	07-713	07-713
RE02-07-2226	02-600509	0.0–0.5	ALLH	07-483	07-482	07-481	07-483	07-483	—	—	07-483	07-483	07-482	07-482	07-482	—	—	07-483	07-482	—	—	—	07-482
RE02-07-2228	02-600509	9.5–15.0	QBO	07-718	07-718	07-717	07-718	07-718	—	—	07-718	07-718	07-718	07-718	07-718	—	—	07-718	07-718	—	—	07-718	07-718
RE02-07-2230	02-600510	0.0–0.5	ALLH	07-483	07-482	07-481	07-483	07-483	—	—	07-483	07-483	07-482	07-482	07-482	—	—	07-483	07-482	—	—	—	07-482
RE02-07-2234	02-600511	0.0–0.5	ALLH	07-483	07-482	07-481	07-483	07-483	—	—	07-483	07-483	07-482	07-482	07-482	—	—	07-483	07-482	—	—	—	07-482
RE02-07-2237	02-600511	14.0–19.0	QBO	07-703	07-703	07-702	07-703	07-703	—	—	07-703	07-703	07-703	07-703	07-703	—	—	07-703	07-703	—	—	07-703	07-703
RE02-07-2320	02-600526	0.0–0.5	ALLH	07-490	07-489	07-488	07-490	07-490	—	—	07-490	07-490	07-489	07-489	07-489	—	—	07-490	07-489	—	—	—	07-489
RE02-07-2321	02-600526	9.5–12.0	QAL	07-659	07-658	07-656	07-659	07-659	—	—	07-659	07-659	07-658	07-657	07-658	—	—	07-659	07-657	—	—	07-657	07-658
RE02-07-2324	02-600527	0.0–0.5	ALLH	07-490	07-489	07-488	07-490	07-490	—	—	07-490	07-490	07-489	07-489	07-489	—	—	07-490	07-489	—	—	—	07-489
RE02-07-2325	02-600527	9.5–14.0	QAL	—	07-658	07-656	—	—	—	—	—	—	07-658	07-657	07-658	—	—	—	07-657	—	—	07-657	07-658
RE02-07-2328	02-600528	0.0–0.5	ALLH	07-490	07-489	07-488	07-490	07-490	—	—	07-490	07-490	07-489	07-489	07-489	—	—	07-490	07-489	—	—	—	07-489
RE02-07-2329	02-600528	9.5–17.3	QAL	07-659	07-658	07-656	07-659	07-659	—	—	07-659	07-659	07-658	07-657	07-658	—	—	07-659	07-657	—	—	07-657	07-658
RE02-07-2330	02-600528	17.4–23.0	QBO	07-659	07-658	07-656	07-659	07-659	—	—	07-659	07-659	07-658	07-657	07-658	—	—	07-659	07-657	—	—	07-657	07-658
RE02-07-2434	02-600545	0.0–0.5	ALLH	07-504	07-504	07-503	07-504	07-504	—	—	07-504	07-504	07-504	07-504	07-504	—	—	07-504	07-504	—	—	—	07-504
RE02-07-2435	02-600545	9.5–14.3	QAL	—	07-672	07-670	—	—	—	—	—	—	07-672	07-671	07-672	—	—	—	07-671	—	—	07-671	07-672
RE02-07-2437	02-600545	14.3–18.5	QBO	07-673	07-672	07-670	07-673	07-673	—	—	07-673	07-673	07-672	07-671	07-672	—	—	07-673	07-671	—	—	07-671	07-672
RE02-07-2438	02-600546	0.0–0.5	ALLH	07-504	07-504	07-503	07-504	07-504	—	—	07-504	07-504	07-504	07-504	07-504	—	—	07-504	07-504	—	—	—	07-504
RE02-07-2439	02-600546	9.5–11.0	QAL	—	07-706	07-705	—	07-706	—	—	—	—	07-706	07-706	07-706	—	—	—	07-706	—	—	07-706	07-706

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
AOC 02-004(e)																							
RE02-07-2390	02-600537	0.0–0.5	ALLH	07-560	07-560	07-595	07-560	07-560	—	—	07-560	07-560	07-560	07-560	07-560	—	—	07-560	07-560	—	—	—	07-560
RE02-07-2391	02-600537	9.5–14.5	QAL	07-803	07-802	07-800	07-803	07-803	—	—	07-803	07-803	07-802	07-801	07-802	—	—	07-803	07-801	—	—	07-801	07-802
RE02-07-2392	02-600537	15.0–19.5	QBO	07-803	07-802	07-800	07-803	07-803	—	—	07-803	07-803	07-802	07-801	07-802	—	—	07-803	07-801	—	—	07-801	07-802
RE02-07-2394	02-600538	0.0–0.5	ALLH	07-560	07-560	07-595	07-560	07-560	—	—	07-560	07-560	07-560	07-560	07-560	—	—	07-560	07-560	—	—	—	07-560
RE02-07-2396	02-600538	14.5–16.0	QBO	07-816	07-816	07-815	07-816	07-816	—	—	07-816	07-816	07-816	07-816	07-816	—	—	07-816	07-816	—	—	07-816	07-816
RE02-07-2398	02-600539	0.0–0.5	ALLH	07-816	07-816	07-815	07-816	07-816	—	—	07-816	07-816	07-816	07-816	07-816	—	—	07-816	07-816	—	—	—	07-816
RE02-07-2399	02-600539	9.5–12.8	QAL	07-816	07-816	07-815	07-816	07-816	—	—	07-816	07-816	07-816	07-816	07-816	—	—	07-816	07-816	—	—	07-816	07-816
RE02-07-2400	02-600539	12.8–17.5	QBO	07-825	07-825	07-824	07-825	07-825	—	—	07-825	07-825	07-825	07-825	07-825	—	—	07-825	07-825	—	—	07-825	07-825
AOC 02-004(f)																							
RE02-03-51874	02-22376	0.0–0.5	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51879	02-22378	1.5–2.0	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	1796S	1796S	—	1795S	1796S	1796S	1795S	—	—	—	—	1796S	—	1796S	—	—	—
RE02-07-1989	02-600469	0.0–0.5	ALLH	07-427	07-426	07-432	07-427	07-427	—	—	07-427	07-427	07-426	07-425	07-426	—	—	07-427	07-425	—	—	—	07-426
RE02-07-1990	02-600469	4.5–9.5	QAL	07-780	07-780	07-779	07-780	07-780	—	—	07-780	07-780	07-780	07-780	07-780	—	—	07-780	07-780	—	—	07-780	07-780
RE02-07-1992	02-600469	17.0–19.5	QBO	07-785	07-785	07-784	07-785	07-785	—	—	07-785	07-785	07-785	07-785	07-785	—	—	07-785	07-785	—	—	07-785	07-785
RE02-07-1993	02-600470	0.0–0.5	ALLH	07-427	07-426	07-432	07-427	07-427	—	—	07-427	07-427	07-426	07-425	07-426	—	—	07-427	07-425	—	—	—	07-426
RE02-07-1994	02-600470	4.5–7.5	QAL	07-571	07-571	07-600	07-571	07-571	—	—	07-571	07-571	07-571	07-571	07-571	—	—	07-571	07-571	—	—	07-571	07-571
RE02-07-1997	02-600471	0.0–0.5	ALLH	07-427	07-426	07-432	07-427	07-427	—	—	07-427	07-427	07-426	07-425	07-426	—	—	07-427	07-425	—	—	—	07-426
RE02-07-1998	02-600471	4.5–10.0	ALLH	07-613	07-612	07-610	07-613	07-613	—	—	07-613	07-613	07-612	07-611	07-612	—	—	07-613	07-611	—	—	07-611	07-612
RE02-07-1999	02-600471	18.0–25.0	QBO	07-613	07-612	07-610	07-613	07-613	—	—	07-613	07-613	07-612	07-611	07-612	—	—	07-613	07-611	—	—	07-611	07-612
RE02-07-2001	02-600472	0.0–0.5	ALLH	07-427	07-426	07-432	07-427	07-427	—	—	07-427	07-427	07-426	07-425	07-426	—	—	07-427	07-425	—	—	—	07-426
RE02-07-2002	02-600472	4.5–9.0	ALLH	07-590	07-590	07-602	07-590	07-590	—	—	07-590	07-590	07-590	07-590	07-590	—	—	07-590	07-590	—	—	07-590	07-590
RE02-07-2003	02-600472	21.0–23.0	QBO	07-613	07-612	07-610	07-613	07-613	—	—	07-613	07-613	07-612	07-611	07-612	—	—	07-613	07-611	—	—	07-611	07-612
RE02-07-2005	02-600473	0.0–0.5	ALLH	07-427	07-426	07-432	07-427	07-427	—	—	07-427	07-427	07-426	07-425	07-426	—	—	07-427	07-425	—	—	—	07-426
RE02-07-2006	02-600473	4.5–13.0	QAL	07-643	07-643	07-642	07-643	07-643	—	—	07-643	07-643	07-643	07-643	07-643	—	—	07-643	07-643	—	—	07-643	07-643
RE02-07-2007	02-600473	13.0–18.0	QBO	07-652	07-651	07-649	07-652	07-652	—	—	07-652	07-652	07-651	07-650	07-651	—	—	07-652	07-650	—	—	07-650	07-651
RE02-07-2008	02-600473	18.0–23.0	QBO	07-652	07-651	07-649	07-652	07-652	—	—	07-652	07-652	07-651	07-650	07-651	—	—	07-652	07-650	—	—	07-650	07-651
RE02-07-2009	02-600474	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2010	02-600474	4.5–10.0	QAL	07-549	07-548	07-531	07-549	07-549	—	—	07-549	07-549	07-548	07-547	07-548	—	—	07-549	07-547	—	—	07-547	07-548
RE02-07-2011	02-600474	16.5–19.0	QBO	07-549	07-548	07-531	07-549	07-549	—	—	07-549	07-549	07-548	07-547	07-548	—	—	07-549	07-547	—	—	07-547	07-548
RE02-07-2013	02-600475	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2014	02-600475	4.0–5.0	QAL	07-549	07-548	07-531	07-549	07-549	—	—	07-549	07-549	07-548	07-547	07-548	—	—	07-549	07-547	—	—	07-547	07-548
RE02-07-2015	02-600475	16.0–18.5	QBO	07-562	07-562	07-597	07-562	07-562	—	—	07-562	07-562	07-562	07-562	07-562	—	—	07-562	07-562	—	—	07-562	07-562
RE02-07-2017	02-600476	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2018	02-600476	4.5–9.0	QAL	07-550	07-550	07-594	07-550	07-550	—	—	07-550	07-550	07-550	07-550	07-550	—	—	07-550	07-550	—	—	07-550	07-550
RE02-07-2019	02-600476	20.0–25.0	QBO	07-533	07-533	07-527	07-533	07-533	—	—	07-533	07-533	07-533	07-533	07-533	—	—	07-533	07-533	—	—	07-533	07-533
RE02-07-2021	02-600477	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2022	02-600477	4.5–9.0	QAL	07-502	07-502	07-501	07-502	07-502	—	—	07-502	07-502	07-502	07-502	07-502	—	—	07-502	07-502	—	—	07-502	07-502
RE02-07-2023	02-600477	23.0–25.0	QBO	07-550	07-550	07-594	07-550	07-550	—	—	07-550	07-550	07-550	07-550	07-550	—	—	07-550	07-550	—	—	07-550	07-550
RE02-07-2025	02-600478	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2026	02-600478	4.5–9.5	QAL	07-487	07-486	07-484	07-487	07-487	—	—	07-487	07-487	07-486	07-485	07-486	—	—	07-487	07-485	—	—	07-485	07-486
RE02-07-2028	02-600478	14.0–18.8	QAL	07-487	07-486	07-484	07-487	07-487	—	—	07-487	07-487	07-486	07-485	07-486	—	—	07-487	07-485	—	—	07-485	07-486
RE02-07-2027	02-600478	18.8–20.5	QBO	07-487	07-486	07-484	07-487	07-487	—	—	07-487	07-487	07-486	07-485	07-486	—	—	07-487	07-485	—	—	07-485	07-486
RE02-07-2029	02-600479	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2030	02-600479	5.0–10.0	QAL	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	07-439	07-440
RE02-07-2031	02-600479	12.6–16.5	QBO	07-459	07-458	07-456	07-459	07-459	—	—	07-459	07-459	07-458	07-457	07-458	—	—	07-459	07-457	—	—	07-457	07-458
RE02-07-2033	02-600480	0.0–0.5	ALLH	07-441	07-440	07-438	07-441	07-441	—	—	07-441	07-441	07-440	07-439	07-440	—	—	07-441	07-439	—	—	—	07-440
RE02-07-2034	02-600480	4.5–10.0	QAL	07-459	07-458	07-456	07-459	07-459	—	—	07-459	07-459	07-458	07-457	07-458	—	—	07-459	07-457	—	—	07-457	07-458
RE02-07-2035	02-600480	12.5–15.0	QBO	07-487	07-486	07-484	07-487	07-487	—	—	07-487	07-487	07-486	07-485	07-486	—	—	07-487	07-485	—	—	07-485	07-486
RE02-07-2515	02-600564	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2516	02-600564	9.5–14.5	QAL	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2517	02-600564	14.5–22.0	QBO	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2519	02-600565	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2520	02-600565	9.5–15.0	QAL	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2521	02-600565	16.0–21.0	QBO	07-796	07-795	07-793	07-796	07-796	—	—	07-796	07-796	07-795	07-794	07-795	—	—	07-796	07-794	—	—	07-794	07-795
RE02-07-2523	02-600566	0.0–0.5	ALLH	07-796	07-795	07-793	07-796	07-796	—	—	07-796	07-796	07-795	07-794	07-795	—	—	07-796	07-794	—	—	—	07-795
RE02-07-2525	02-600566	14.5–20.0	QBO	07-796	07-795	07-793	07-796	07-796	—	—	07-796	07-796	07-795	07-794	07-795	—	—	07-796	07-794	—	—	07-794	07-795
RE02-07-2527	02-600567	0.0–0.5	ALLH	07-808	07-808	07-807	07-808	07-808	—	—	07-808	07-808	07-808	07-808	07-808	—	—	07-808	07-808	—	—	—	07-808
RE02-07-2531	02-600568	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2532	02-600568	9.5–10.9	QAL	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2533	02-600568	15.0–18.3	QBO	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2535	02-600569	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2536	02-600569	9.5–12.7	QAL	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	07-791	07-788
RE02-07-2539	02-600570	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2540	02-600570	9.5–11.9	QAL	07-888	07-888	07-887	07-888	07-888	—	—	07-888	07-888	07-888	07-888	07-888	—	—	07-888	07-888	—	—	07-888	07-888
RE02-07-2541	02-600570	14.5–16.7	QBO	07-888	07-888	07-887	07-888	07-888	—	—	07-888	07-888	07-888	07-888	07-888	—	—	07-888	07-888	—	—	07-888	07-888
RE02-07-2543	02-600571	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2544	02-600571	9.5–11.7	QAL	07-894	07-894	07-911	07-894	07-894	—	—	07-894	07-894	07-894	07-894	07-894	—	—	07-894	07-894	—	—	07-894	07-894

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2545	02-600571	11.7–15.5	QBO	07-894	07-894	07-911	07-894	07-894	—	—	07-894	07-894	07-894	07-894	07-894	—	—	07-894	07-894	—	—	07-894	07-894
RE02-07-2547	02-600572	0.0–0.5	ALLH	07-789	07-788	07-790	07-789	07-789	—	—	07-789	07-789	07-788	07-791	07-788	—	—	07-789	07-791	—	—	—	07-788
RE02-07-2548	02-600572	9.5–11.7	QAL	07-894	07-894	07-911	07-894	07-894	—	—	07-894	07-894	07-894	07-894	07-894	—	—	07-894	07-894	—	—	07-894	07-894
RE02-07-2549	02-600572	19.5–21.7	QBO	07-902	07-902	07-914	07-902	07-902	—	—	07-902	07-902	07-902	07-902	07-902	—	—	07-902	07-902	—	—	07-902	07-902
AOC 02-004(g)																							
RE02-03-51888	02-22383	1.0–1.5	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51892	02-22385	1.0–1.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51896	02-22387	0.0–0.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-07-2101	02-600489	0.0–0.5	ALLH	07-561	07-561	07-596	07-561	07-561	—	—	07-561	07-561	07-561	07-561	07-561	—	—	07-561	07-561	—	—	—	07-561
RE02-07-6824	02-600490	0.8–1.8	FILL	07-1139	07-1139	07-1138	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	07-1137	07-1139	—	—	07-1139	07-1137	—	—	—	07-1139
RE02-07-2106	02-600490	4.5–9.0	QAL	07-865	07-865	07-864	07-865	07-865	—	—	07-865	07-865	07-865	07-865	07-865	—	—	07-865	07-865	—	—	07-865	07-865
RE02-07-2107	02-600490	14.5–19.5	QBO	07-865	07-865	07-864	07-865	—	—	—	07-865	07-865	07-865	07-865	07-865	—	—	07-865	07-865	—	—	07-865	07-865
RE02-07-2109	02-600491	0.0–0.5	ALLH	07-539	07-539	07-529	07-539	07-539	—	—	07-539	07-539	07-539	07-539	07-539	—	—	07-539	07-539	—	—	—	07-539
RE02-07-2110	02-600491	4.5–9.0	QAL	07-854	07-854	07-853	07-854	07-854	—	—	07-854	07-854	07-854	07-854	07-854	—	—	07-854	07-854	—	—	07-854	07-854
RE02-07-2111	02-600491	15.5–19.5	QBO	07-854	07-854	07-853	07-854	07-854	—	—	07-854	07-854	07-854	07-854	07-854	—	—	07-854	07-854	—	—	07-854	07-854
RE02-07-6825	02-600492	0.0–0.5	ALLH	07-1151	07-1151	07-1150	07-1151	07-1151	—	—	07-1151	07-1151	07-1151	07-1151	07-1151	—	—	07-1151	07-1151	—	—	—	07-1151
RE02-07-2114	02-600492	4.5–9.5	QAL	07-835	07-834	07-832	07-835	07-835	—	—	07-835	07-835	07-834	07-833	07-834	—	—	07-835	07-833	—	—	07-833	07-834
RE02-07-2115	02-600492	14.5–19.5	QBO	07-840	07-840	07-839	07-840	07-840	—	—	07-840	07-840	07-840	07-840	07-840	—	—	07-840	07-840	—	—	07-840	07-840
RE02-07-6826	02-600493	0.9–1.4	QAL	07-1160	07-1160	07-1161	07-1160	07-1160	—	—	07-1160	07-1160	07-1160	07-1160	07-1160	—	—	07-1160	07-1160	—	—	—	07-1160
RE02-07-2118	02-600493	4.5–9.5	QAL	07-840	07-840	07-839	07-840	07-840	—	—	07-840	07-840	07-840	07-840	07-840	—	—	07-840	07-840	—	—	07-840	07-840
RE02-07-2119	02-600493	19.0–22.0	QBO	07-854	07-854	07-853	07-854	07-854	—	—	07-854	07-854	07-854	07-854	07-854	—	—	07-854	07-854	—	—	07-854	07-854
RE02-07-6827	02-600494	0.0–0.5	ALLH	07-1151	07-1151	07-1150	07-1151	07-1151	—	—	07-1151	07-1151	07-1151	07-1151	07-1151	—	—	07-1151	07-1151	—	—	—	07-1151
RE02-07-2122	02-600494	4.5–14.5	QAL	07-835	07-834	07-832	07-835	07-835	—	—	07-835	07-835	07-834	07-833	07-834	—	—	07-835	07-833	—	—	07-833	07-834
RE02-07-2123	02-600494	14.5–22.0	QBO	07-835	07-834	07-832	07-835	07-835	—	—	07-835	07-835	07-834	07-833	07-834	—	—	07-835	07-833	—	—	07-833	07-834
RE02-07-2125	02-600495	0.0–0.5	ALLH	07-561	07-561	07-596	07-561	07-561	—	—	07-561	07-561	07-561	07-561	07-561	—	—	07-561	07-561	—	—	—	07-561
RE02-07-2129	02-600496	0.0–0.5	SED	07-561	07-561	07-596	07-561	07-561	—	—	07-561	07-561	07-561	07-561	07-561	—	—	07-561	07-561	—	—	—	07-561
RE02-07-2133	02-600497	0.0–0.5	ALLH	07-539	07-539	07-529	07-539	07-539	—	—	07-539	07-539	07-539	07-539	07-539	—	—	07-539	07-539	—	—	—	07-539
RE02-07-2134	02-600497	4.5–7.5	QAL	07-859	07-859	07-860	07-859	07-859	—	—	07-859	07-859	07-859	07-859	07-859	—	—	07-859	07-859	—	—	07-859	07-859
RE02-07-2135	02-600497	15.0–18.5	QBO	07-859	07-859	07-860	07-859	07-859	—	—	07-859	07-859	07-859	07-859	07-859	—	—	07-859	07-859	—	—	07-859	07-859
SWMU 02-005																							
RE02-07-2445	02-600547	0.0–0.5	ALLH	07-328	07-328	—	07-328	07-328	—	07-328	07-328	07-328	07-328	—	07-328	—	—	07-328	07-327	—	—	—	07-328
RE02-07-2446	02-600547	2.0–2.5	QAL	07-369	07-368	—	07-369	07-369	—	07-368	07-369	07-369	07-368	—	07-368	—	—	07-369	07-367	—	—	07-367	07-368

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2448	02-600548	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2451	02-600549	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2454	02-600550	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2457	02-600551	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2460	02-600552	0.0–0.5	ALLH	07-1030	07-1030	—	07-1030	07-1030	—	07-1030	07-1030	07-1030	07-1030	07-1030	07-1030	—	—	07-1030	—	—	—	—	07-1030
RE02-07-2463	02-600553	0.0–0.5	ALLH	07-1030	07-1030	—	07-1030	07-1030	—	07-1030	07-1030	07-1030	07-1030	07-1030	07-1030	—	—	07-1030	—	—	—	—	07-1030
RE02-07-2464	02-600553	2.0–4.5	QAL	07-1104	07-1104	—	07-1104	07-1104	—	07-1104	07-1104	07-1104	07-1104	07-1104	07-1104	—	—	07-1104	—	—	—	—	07-1104
RE02-07-2465	02-600553	4.5–7.0	QAL	07-1104	07-1104	—	07-1104	07-1104	—	07-1104	07-1104	07-1104	07-1104	07-1104	07-1104	—	—	07-1104	—	—	—	—	07-1104
RE02-07-2466	02-600554	0.0–1.1	ALLH	07-1036	07-1036	—	07-1036	07-1036	—	07-1036	07-1036	07-1036	07-1036	07-1036	07-1036	—	—	07-1036	—	—	—	—	07-1036
RE02-07-2467	02-600554	2.0–3.0	QAL	07-1036	07-1036	—	07-1036	07-1036	—	07-1036	07-1036	07-1036	07-1036	07-1036	07-1036	—	—	07-1036	—	—	—	—	07-1036
RE02-07-2468	02-600554	4.5–5.0	QCT	07-1036	07-1036	—	07-1036	07-1036	—	07-1036	07-1036	07-1036	07-1036	07-1036	07-1036	—	—	07-1036	—	—	—	—	07-1036
RE02-07-2469	02-600555	0.0–1.1	ALLH	07-1114	07-1114	—	07-1114	07-1114	—	07-1114	07-1114	07-1114	07-1114	07-1114	07-1114	—	—	07-1114	—	—	—	—	07-1114
RE02-07-2470	02-600555	2.0–2.5	QAL	07-1114	07-1114	—	07-1114	07-1114	—	07-1114	07-1114	07-1114	07-1114	07-1114	07-1114	—	—	07-1114	—	—	—	—	07-1114
RE02-07-2472	02-600556	0.0–0.5	ALLH	07-1114	07-1114	—	07-1114	07-1114	—	07-1114	07-1114	07-1114	07-1114	07-1114	07-1114	—	—	07-1114	—	—	—	—	07-1114
RE02-07-2473	02-600556	2.0–3.0	QAL	07-1114	07-1114	—	07-1114	07-1114	—	07-1114	07-1114	07-1114	07-1114	07-1114	07-1114	—	—	07-1114	—	—	—	—	07-1114
RE02-07-2475	02-600557	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2478	02-600558	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2479	02-600558	2.0–2.5	QAL	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2480	02-600558	4.5–5.0	QAL	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2481	02-600559	0.0–0.5	ALLH	07-369	07-368	—	07-369	07-369	—	07-368	07-369	07-369	07-368	07-368	07-368	—	—	07-369	—	—	—	—	07-368
RE02-07-2482	02-600559	2.0–2.5	QAL	07-369	07-368	—	07-369	07-369	—	07-368	07-369	07-369	07-368	07-368	07-368	—	—	07-369	—	—	—	—	07-368
RE02-07-2484	02-600560	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2485	02-600560	2.0–3.0	QAL	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2486	02-600560	4.5–5.0	QAL	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2487	02-600561	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
RE02-07-2490	02-600562	0.0–0.5	ALLH	07-1126	07-1125	—	07-1126	07-1126	—	07-1125	07-1126	07-1126	07-1125	07-1125	07-1125	—	—	07-1126	—	—	—	—	07-1125
SWMU 02-006(a)																							
RE02-03-51142	02-22052	1.0–1.5	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51143	02-22052	1.0–1.5	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51168	02-22052	2.5–3.0	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51169	02-22052	2.5–3.0	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51144	02-22053	1.0–1.5	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51145	02-22053	1.0–1.5	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51170	02-22053	2.5–3.0	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51171	02-22053	2.5–3.0	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51146	02-22054	1.0–1.5	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51147	02-22054	1.0–1.5	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-03-51172	02-22054	2.5–3.0	ALLH	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51173	02-22054	2.5–3.0	ALLH	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51148	02-22055	10.0–10.5	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51149	02-22055	10.0–10.5	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51174	02-22055	11.5–12.0	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51175	02-22055	11.5–12.0	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51150	02-22056	10.0–10.5	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51151	02-22056	10.0–10.5	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51176	02-22056	11.5–12.0	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51177	02-22056	11.5–12.0	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51152	02-22057	10.0–10.5	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51153	02-22057	10.0–10.5	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51178	02-22057	11.5–12.0	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51179	02-22057	11.5–12.0	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51154	02-22058	10.0–10.5	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51155	02-22058	10.0–10.5	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51180	02-22058	11.5–12.0	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51181	02-22058	11.5–12.0	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51156	02-22059	6.0–6.5	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51157	02-22059	6.0–6.5	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-03-51182	02-22059	7.5–8.0	QBT3	—	—	—	1710S	1710S	—	—	1710S	1710S	1709S	—	—	—	—	1710S	—	1710S	—	—	—
RE02-03-51183	02-22059	7.5–8.0	QBT3	—	—	—	—	—	—	1709S	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1025	02-600247	0.0–0.5	ALLH	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	—	07-1134
RE02-07-1030	02-600247	0.8–1.6	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1026	02-600247	4.5–6.6	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1027	02-600247	9.5–11.6	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1028	02-600247	14.5–17.0	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1029	02-600247	19.5–22.0	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1031	02-600248	0.0–0.5	ALLH	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	—	07-1148
RE02-07-1036	02-600248	1.0–1.9	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1032	02-600248	4.5–6.5	QBT3	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	07-1156	07-1157
RE02-07-1033	02-600248	9.5–11.7	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1034	02-600248	14.5–16.5	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1035	02-600248	19.5–21.7	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1037	02-600249	0.0–0.5	ALLH	07-330	07-330	—	07-330	07-330	—	07-330	07-330	07-330	07-330	07-329	07-330	—	—	07-330	07-329	—	—	—	07-330
RE02-07-1042	02-600249	1.4–3.1	QBT3	07-330	07-330	—	07-330	07-330	—	07-330	07-330	07-330	07-330	07-329	07-330	—	—	07-330	07-329	—	—	07-329	07-330
RE02-07-6673	02-600249	4.5–6.7	QBT3	08-10	08-9	—	08-10	08-10	—	08-9	08-10	08-10	08-9	08-8	08-9	—	—	08-10	08-8	—	—	08-8	08-9

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-6672	02-600249	9.5–11.7	QBT3	08-10	08-9	—	08-10	08-10	—	08-9	08-10	08-10	08-9	08-8	08-9	—	—	08-10	08-8	—	—	08-8	08-9
RE02-07-6671	02-600249	14.5–16.7	QBT3	08-10	08-9	—	08-10	08-10	—	08-9	08-10	08-10	08-9	08-8	08-9	—	—	08-10	08-8	—	—	08-8	08-9
RE02-07-6674	02-600249	19.5–21.7	QBT3	08-10	08-9	—	08-10	08-10	—	08-9	08-10	08-10	08-9	08-8	08-9	—	—	08-10	08-8	—	—	08-8	08-9
RE02-07-1043	02-600250	0.0–0.5	ALLH	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	—	07-1148
RE02-07-1048	02-600250	0.5–1.2	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1044	02-600250	4.5–6.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1045	02-600250	9.5–13.4	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1046	02-600250	14.5–17.0	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1047	02-600250	19.5–21.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1049	02-600251	0.0–0.6	ALLH	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	—	07-1134
RE02-07-1054	02-600251	0.6–1.4	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1050	02-600251	4.5–8.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1051	02-600251	9.5–14.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1052	02-600251	14.5–18.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1053	02-600251	19.5–23.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1055	02-600252	0.0–0.8	ALLH	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	—	07-1148
RE02-07-1060	02-600252	0.8–1.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1056	02-600252	4.5–6.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1057	02-600252	9.5–11.7	QBT3	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	07-1156	07-1157
RE02-07-1058	02-600252	14.5–18.2	QBT3	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	07-1156	07-1157
RE02-07-1059	02-600252	19.5–21.5	QBT3	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	07-1156	07-1157
RE02-07-1061	02-600253	0.0–0.5	ALLH	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	—	07-1163
RE02-07-1066	02-600253	2.0–3.0	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1062	02-600253	4.5–6.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1063	02-600253	9.5–11.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1064	02-600253	14.5–16.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1065	02-600253	19.5–21.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1067	02-600254	0.0–0.5	ALLH	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	—	07-1157
RE02-07-1072	02-600254	1.6–2.5	QBT3	07-1158	07-1157	—	07-1158	07-1158	—	07-1157	07-1158	07-1158	07-1157	07-1156	07-1157	—	—	07-1158	07-1156	—	—	07-1156	07-1157
RE02-07-1068	02-600254	4.5–7.5	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1069	02-600254	9.5–11.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1070	02-600254	14.5–16.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1071	02-600254	19.5–21.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1073	02-600255	0.0–0.5	ALLH	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	—	07-1134
RE02-07-1078	02-600255	0.5–1.5	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1074	02-600255	4.5–9.5	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1135	07-1133	07-1133	07-1135	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1075	02-600255	9.5–14.0	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1076	02-600255	14.5–19.0	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1077	02-600255	19.5–23.5	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1079	02-600256	0.0–0.5	ALLH	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	—	07-1134
RE02-07-1084	02-600256	0.5–1.9	QBT3	07-1133	07-1134	—	07-1133	07-1133	—	07-1134	07-1133	07-1133	07-1134	07-1135	07-1134	—	—	07-1133	07-1135	—	—	07-1135	07-1134
RE02-07-1080	02-600256	4.5–8.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1081	02-600256	9.5–13.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1082	02-600256	14.5–18.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1083	02-600256	19.5–23.5	QBT3	07-1149	07-1148	—	07-1149	07-1149	—	07-1148	07-1149	07-1149	07-1148	07-1147	07-1148	—	—	07-1149	07-1147	—	—	07-1147	07-1148
RE02-07-1085	02-600257	0.0–0.8	ALLH	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	—	07-1163
RE02-07-1090	02-600257	0.8–2.1	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1086	02-600257	4.5–6.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1087	02-600257	9.5–11.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1088	02-600257	14.5–16.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1089	02-600257	19.5–21.7	QBT3	08-13	08-12	—	08-13	08-13	—	08-12	08-13	08-13	08-12	08-11	08-12	—	—	08-13	08-11	—	—	08-11	08-12
RE02-07-1091	02-600258	0.0–0.5	ALLH	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	—	07-1163
RE02-07-1096	02-600258	0.8–2.0	QBT3	07-1164	07-1163	—	07-1164	07-1164	—	07-1163	07-1164	07-1164	07-1163	07-1162	07-1163	—	—	07-1164	07-1162	—	—	07-1162	07-1163
RE02-07-1092	02-600258	4.5–7.5	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1093	02-600258	9.5–11.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1094	02-600258	14.5–16.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
RE02-07-1095	02-600258	19.5–21.7	QBT3	07-1177	07-1176	—	07-1177	07-1177	—	07-1176	07-1177	07-1177	07-1176	07-1175	07-1176	—	—	07-1177	07-1175	—	—	07-1175	07-1176
SWMU 02-006(b)																							
CA02-00-0157	02-01094	0.0–0.5	SED	—	7548R	—	7550R	7550R	—	—	7550R	7550R	7547R, 7549R	7546R	—	—	—	7550R	7546R	—	—	7546R	—
CA02-00-0161	02-01251	0.0–0.5	SED	—	7569R	—	7571R	7571R	—	—	7571R	—	7568R, 7570R	7567R	—	—	—	7571R	7567R	—	—	7567R	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	1816S	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	1817S	1818S	—	—	—
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	1816S	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	1817S	1818S	—	—	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	07-401	07-400	—	07-401	07-401	—	—	07-401	07-401	07-400	07-399	07-400	—	—	07-401	07-399	—	—	—	07-400
RE02-07-1408	02-600351	4.5–6.9	QAL	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1410	02-600351	9.5–14.5	QAL	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1409	02-600351	17.0–22.5	QBO	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1412	02-600352	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	07-614	—	07-615
RE02-07-1413	02-600352	4.5–9.0	QAL	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	07-1005	07-1005	07-1006
RE02-07-1415	02-600352	9.0–15.0	QAL	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	07-1005	07-1005	07-1006
RE02-07-1414	02-600352	18.5–21.0	QBO	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	07-1005	07-1005	07-1006
RE02-07-1417	02-600353	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	—	—	07-615
RE02-07-1418	02-600353	4.5–9.0	QAL	07-991	07-991	—	07-991	07-991	—	—	07-991	07-991	07-991	07-991	07-991	—	—	07-991	07-991	—	—	07-991	07-991
RE02-07-1420	02-600353	9.0–14.0	QAL	07-991	07-991	—	07-991	07-991	—	—	07-991	07-991	07-991	07-991	07-991	—	—	07-991	07-991	—	—	07-991	07-991
RE02-07-1419	02-600353	19.0–22.0	QBO	07-1109	07-1109	—	07-1109	07-1109	—	—	07-1109	07-1109	07-1109	07-1109	07-1109	—	—	07-1109	07-1109	—	—	07-1109	07-1109

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1422	02-600354	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	—	—	07-615
RE02-07-1423	02-600354	4.5–9.0	QAL	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	—	07-965	07-966
RE02-07-1425	02-600354	9.0–14.0	QAL	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	—	07-965	07-966
RE02-07-1424	02-600354	14.0–19.0	QBO	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	—	07-965	07-966
RE02-07-1427	02-600355	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	07-614	—	07-615
RE02-07-1428	02-600355	4.5–9.0	QAL	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	07-965	07-965	07-966
RE02-07-1429	02-600355	9.0–15.0	QBO	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	07-965	07-965	07-966
RE02-07-1432	02-600356	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	07-614	—	07-615
RE02-07-1433	02-600356	4.5–9.0	QAL	07-967	07-966	—	07-967	07-967	—	—	07-967	07-967	07-966	07-965	07-966	—	—	07-967	07-965	—	07-965	07-965	07-966
RE02-07-1437	02-600357	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	07-614	—	07-615
RE02-07-1438	02-600357	4.5–9.0	QAL	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	07-973	07-973	07-974
RE02-07-1440	02-600357	14.0–17.0	QAL	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	07-973	07-973	07-974
RE02-07-1439	02-600357	17.0–19.0	QBO	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	07-973	07-973	07-974
RE02-07-1442	02-600358	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	—	—	07-615
RE02-07-1443	02-600358	4.5–9.0	QAL	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	—	07-973	07-974
RE02-07-1445	02-600358	9.0–14.0	QAL	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	—	07-973	07-974
RE02-07-1444	02-600358	14.0–19.0	QBO	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	—	07-973	07-974
RE02-07-1447	02-600359	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	—	—	07-615
RE02-07-1448	02-600359	4.5–9.0	QAL	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1450	02-600359	9.0–14.0	QAL	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1449	02-600359	20.0–22.0	QBO	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1452	02-600360	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	07-614	—	07-615
RE02-07-1453	02-600360	4.5–9.0	QAL	07-943	07-942	—	07-943	07-943	—	—	07-943	07-943	07-942	07-941	07-942	—	—	07-943	07-941	—	07-941	07-941	07-942
RE02-07-1454	02-600360	9.0–14.0	QBO	07-943	07-942	—	07-943	07-943	—	—	07-943	07-943	07-942	07-941	07-942	—	—	07-943	07-941	—	07-941	07-941	07-942
RE02-07-1457	02-600361	0.0–0.5	ALLH	07-641	07-641	—	07-641	07-641	—	—	07-641	07-641	07-641	07-641	07-641	—	—	07-641	07-641	—	—	—	07-641
RE02-07-1458	02-600361	4.5–7.5	QAL	07-943	07-942	—	07-943	07-943	—	—	07-943	07-943	07-942	07-941	07-942	—	—	07-943	07-941	—	—	07-941	07-942
RE02-07-1460	02-600361	8.5–13.5	QAL	07-943	07-942	—	07-943	07-943	—	—	07-943	07-943	07-942	07-941	07-942	—	—	07-943	07-941	—	—	07-941	07-942
RE02-07-1459	02-600361	18.5–21.0	QBO	07-943	07-942	—	07-943	07-943	—	—	07-943	07-943	07-942	07-941	07-942	—	—	07-943	07-941	—	—	07-941	07-942
RE02-07-1462	02-600362	0.0–0.5	ALLH	07-641	07-641	—	07-641	07-641	—	—	07-641	07-641	07-641	07-641	07-641	—	—	07-641	07-641	—	—	—	07-641
RE02-07-1463	02-600362	4.5–9.0	QAL	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1465	02-600362	9.0–14.0	QAL	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1464	02-600362	14.0–19.0	QBO	07-1024	07-1023	—	07-1024	07-1024	—	—	07-1024	07-1024	07-1023	07-1022	07-1023	—	—	07-1024	07-1022	—	—	07-1022	07-1023
RE02-07-1467	02-600363	0.0–0.5	ALLH	07-641	07-641	—	07-641	07-641	—	—	07-641	07-641	07-641	07-641	07-641	—	—	07-641	07-641	—	—	—	07-641
RE02-07-1468	02-600363	4.5–8.5	QAL	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	—	07-1005	07-1006
RE02-07-1470	02-600363	8.5–18.0	QAL	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	—	07-1005	07-1006
RE02-07-1469	02-600363	18.5–20.5	QBO	07-1007	07-1006	—	07-1007	07-1007	—	—	07-1007	07-1007	07-1006	07-1005	07-1006	—	—	07-1007	07-1005	—	—	07-1005	07-1006
RE02-07-1472	02-600364	0.0–0.5	ALLH	07-401	07-400	—	07-401	07-401	—	—	07-401	07-401	07-400	07-399	07-400	—	—	07-401	07-399	—	—	—	07-400

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1473	02-600364	4.5–6.5	QAL	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1475	02-600364	9.5–15.0	QAL	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1474	02-600364	15.0–20.0	QBO	07-559	07-558	—	07-559	07-559	—	—	07-559	07-559	07-558	07-557	07-558	—	—	07-559	07-557	—	—	07-557	07-558
RE02-07-1477	02-600365	0.0–0.5	ALLH	07-401	07-400	—	07-401	07-401	—	—	07-401	07-401	07-400	07-399	07-400	—	—	07-401	07-399	—	—	—	07-400
RE02-07-1478	02-600365	4.5–7.0	QAL	07-540	07-540	—	07-540	07-540	—	—	07-540	07-540	07-540	07-540	07-540	—	—	07-540	07-540	—	—	07-540	07-540
RE02-07-1480	02-600365	9.5–11.4	QAL	07-534	07-534	—	07-534	07-534	—	—	07-534	07-534	07-534	07-534	07-534	—	—	07-534	07-534	—	—	07-534	07-534
RE02-07-1479	02-600365	17.5–20.0	QBO	07-534	07-534	—	07-534	07-534	—	—	07-534	07-534	07-534	07-534	07-534	—	—	07-534	07-534	—	—	07-534	07-534
RE02-07-1482	02-600366	0.0–0.5	ALLH	07-616	07-615	—	07-616	07-616	—	—	07-616	07-616	07-615	07-614	07-615	—	—	07-616	07-614	—	—	—	07-615
RE02-07-1483	02-600366	4.5–9.0	QAL	07-963	07-963	—	07-963	07-963	—	—	07-963	07-963	07-963	07-963	07-963	—	—	07-963	07-963	—	—	07-963	07-963
RE02-07-1485	02-600366	9.0–14.0	QAL	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	—	07-973	07-974
RE02-07-1484	02-600366	14.0–19.0	QBO	07-975	07-974	—	07-975	07-975	—	—	07-975	07-975	07-974	07-973	07-974	—	—	07-975	07-973	—	—	07-973	07-974
RE02-07-1486	02-600367	0.0–0.5	SED	07-401	07-400	—	07-401	07-401	—	—	07-401	07-401	07-400	07-399	07-400	—	—	07-401	07-399	—	—	—	07-400
AOC 02-006(c)																							
RE02-07-2618	02-600585	0.0–0.5	ALLH	07-976	07-976	—	07-976	07-976	—	—	07-976	07-976	07-976	07-976	07-976	—	—	07-976	07-976	—	—	—	07-976
RE02-07-2619	02-600585	4.5–9.0	QAL	07-985	07-984	—	07-985	07-985	—	—	07-985	07-985	07-984	07-983	07-984	—	—	07-985	07-983	—	—	07-983	07-984
RE02-07-2621	02-600585	9.0–14.0	QAL	07-985	07-984	—	07-985	07-985	—	—	07-985	07-985	07-984	07-983	07-984	—	—	07-985	07-983	—	—	07-983	07-984
RE02-07-2622	02-600586	0.0–0.5	ALLH	07-976	07-976	—	07-976	07-976	—	—	07-976	07-976	07-976	07-976	07-976	—	—	07-976	07-976	—	—	—	07-976
RE02-07-2623	02-600586	4.5–9.0	QAL	07-985	07-984	—	07-985	07-985	—	—	07-985	07-985	07-984	07-983	07-984	—	—	07-985	07-983	—	—	07-983	07-984
RE02-07-2625	02-600586	9.0–14.0	QAL	07-985	07-984	—	07-985	07-985	—	—	07-985	07-985	07-984	07-983	07-984	—	—	07-985	07-983	—	—	07-983	07-984
RE02-07-2624	02-600586	14.0–19.0	QBO	07-996	07-996	—	07-996	07-996	—	07-996	07-996	07-996	07-996	07-996	07-996	—	—	07-996	07-996	—	—	07-996	07-996
RE02-07-2626	02-600587	0.0–0.5	ALLH	07-776	07-776	—	07-776	07-776	—	07-776	07-776	07-776	07-776	07-776	07-776	—	—	07-776	07-776	—	—	—	07-776
RE02-07-2628	02-600587	12.5–18.0	QBO	07-950	07-949	—	07-950	07-950	—	07-949	07-950	07-950	07-949	07-948	07-949	—	—	07-950	07-948	—	—	07-948	07-949
RE02-07-2630	02-600588	0.0–0.5	ALLH	07-360	07-360	—	07-360	07-360	—	07-360	07-360	07-360	07-360	07-360	07-360	—	—	07-360	07-360	—	07-360	—	07-360
RE02-07-2631	02-600588	4.5–10.0	QAL	07-950	07-949	—	07-950	07-950	—	07-949	07-950	07-950	07-949	07-948	07-949	—	—	07-950	07-948	—	07-948	07-948	07-949
RE02-07-2633	02-600588	11.5–13.0	QAL	07-950	07-949	—	07-950	07-950	—	07-949	07-950	07-950	07-949	07-948	07-949	—	—	07-950	07-948	—	07-948	07-948	07-949
RE02-07-2634	02-600589	0.0–0.5	ALLH	07-383	07-383	—	07-383	07-383	—	07-383	07-383	07-383	07-383	07-383	07-383	—	—	07-383	07-383	—	07-383	—	07-383
RE02-07-2635	02-600589	4.5–9.5	QAL	07-950	07-949	—	07-950	07-950	—	07-949	07-950	07-950	07-949	07-948	07-949	—	—	07-950	07-948	—	07-948	07-948	07-949
RE02-07-2637	02-600589	9.5–13.0	QAL	07-950	07-949	—	07-950	07-950	—	07-949	07-950	07-950	07-949	07-948	07-949	—	—	07-950	07-948	—	07-948	07-948	07-949
RE02-07-2638	02-600590	0.0–0.5	ALLH	07-604	07-604	—	07-604	07-604	—	07-604	07-604	07-604	07-604	07-604	07-604	—	—	07-604	07-604	—	—	—	07-604
RE02-07-2639	02-600590	4.5–7.2	QAL	07-645	07-645	—	07-645	07-645	—	—	07-645	07-645	07-645	07-644	07-645	—	—	07-645	07-644	—	—	07-644	07-645
RE02-07-2641	02-600590	9.5–11.7	QAL	07-645	07-645	—	07-645	07-645	—	—	07-645	07-645	07-645	07-644	07-645	—	—	07-645	07-644	—	—	07-644	07-645
RE02-07-2640	02-600590	14.5–16.9	QBO	07-645	07-645	—	07-645	07-645	—	—	07-645	07-645	07-645	07-644	07-645	—	—	07-645	07-644	—	—	07-644	07-645
RE02-07-2642	02-600591	0.0–0.5	ALLH	07-776	07-776	—	07-776	07-776	—	07-776	07-776	07-776	07-776	07-776	07-776	—	—	07-776	07-776	—	—	—	07-776
RE02-07-2643	02-600591	4.5–9.0	QAL	07-856	07-856	—	07-856	07-856	—	07-856	07-856	07-856	07-856	07-856	07-856	—	—	07-856	07-856	—	—	07-856	07-856
RE02-07-2644	02-600591	14.0–19.0	QBO	07-856	07-856	—	07-856	07-856	—	07-856	07-856	07-856	07-856	07-856	07-856	—	—	07-856	07-856	—	—	07-856	07-856

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
AOC 02-006(e)																							
CA02-00-0155	02-01095	0.0–0.5	SED	—	7548R	—	7550R	7550R	—	—	7550R	7550R	7547R, 7549R	7546R	—	—	—	7550R	7546R	—	—	7546R	—
CA02-00-0156	02-01095	1.9–2.2	SED	—	7548R	—	7550R	7550R	—	—	7550R	7550R	7547R, 7549R	7546R	—	—	—	7550R	7546R	—	—	7546R	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	7569R	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	7567R	—	—	—	—
RE02-03-51834	02-22356	9.0–9.5	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51835	02-22356	10.5–11.0	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-03-51839	02-22358	6.5–7.0	ALLH	—	—	—	1818S	1818S	—	1816S	1818S	1818S	1816S	—	—	—	—	1818S	—	1818S	—	—	—
RE02-07-1218	02-600282	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
RE02-07-1219	02-600282	4.5–7.0	ALLH	07-500	07-499	—	07-500	07-500	—	07-499	07-500	07-500	07-499	07-498	07-499	—	—	07-500	07-498	—	—	07-498	07-499
RE02-07-1222	02-600282	9.5–11.7	ALLH	07-500	07-499	—	07-500	07-500	—	07-499	07-500	07-500	07-499	07-498	07-499	—	—	07-500	07-498	—	—	07-498	07-499
RE02-07-1221	02-600282	13.0–18.0	QBO	07-500	07-499	—	07-500	07-500	—	07-499	07-500	07-500	07-499	07-498	07-499	—	—	07-500	07-498	—	—	07-498	07-499
RE02-07-1223	02-600283	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
RE02-07-1224	02-600283	4.5–6.5	ALLH	07-430	07-429	—	07-430	07-430	—	07-429	07-430	07-430	07-429	07-428	07-429	—	—	07-430	07-428	—	—	07-428	07-429
RE02-07-1226	02-600283	9.0–10.2	ALLH	07-455	07-454	—	07-455	07-455	—	07-454	07-455	07-455	07-454	07-453	07-454	—	—	07-455	07-453	—	—	07-453	07-454
RE02-07-1225	02-600283	11.8–15.5	QBO	07-455	07-454	—	07-455	07-455	—	07-454	07-455	07-455	07-454	07-453	07-454	—	—	07-455	07-453	—	—	07-453	07-454
RE02-07-1228	02-600284	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
RE02-07-1229	02-600284	4.5–9.0	ALLH	07-462	07-461	—	07-462	07-462	—	07-461	07-462	07-462	07-461	07-460	07-461	—	—	07-462	07-460	—	—	07-460	07-461
RE02-07-1232	02-600284	9.5–12.0	ALLH	07-462	07-461	—	07-462	07-462	—	07-461	07-462	07-462	07-461	07-460	07-461	—	—	07-462	07-460	—	—	07-460	07-461
RE02-07-1231	02-600284	14.3–16.5	QBO	07-462	07-461	—	07-462	07-462	—	07-461	07-462	07-462	07-461	07-460	07-461	—	—	07-462	07-460	—	—	07-460	07-461
RE02-07-1233	02-600285	0.0–0.5	ALLH	07-382	07-381	—	07-382	07-382	—	07-381	07-382	07-382	07-381	07-380	07-381	—	—	07-382	07-380	—	—	—	07-381
RE02-07-1234	02-600285	4.5–5.0	QAL	07-406	07-405	—	07-406	07-406	—	07-405	07-406	07-406	07-405	07-404	07-405	—	—	07-406	07-404	—	—	07-404	07-405
RE02-07-1236	02-600285	14.0–17.0	QBO	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	07-396	07-397
RE02-07-1235	02-600285	21.0–25.0	QBO	07-406	07-405	—	07-406	07-406	—	07-405	07-406	07-406	07-405	07-404	07-405	—	—	07-406	07-404	—	—	07-404	07-405
RE02-07-1238	02-600286	0.0–0.5	ALLH	07-382	07-381	—	07-382	07-382	—	07-381	07-382	07-382	07-381	07-380	07-381	—	—	07-382	07-380	—	—	—	07-381
RE02-07-1239	02-600286	3.0–5.0	ALLH	07-406	07-405	—	07-406	07-406	—	07-405	07-406	07-406	07-405	07-404	07-405	—	—	07-406	07-404	—	—	07-404	07-405
RE02-07-1240	02-600286	9.5–10.0	QAL	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	07-396	07-397
RE02-07-1242	02-600286	12.5–16.5	QAL	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	07-396	07-397
RE02-07-1241	02-600286	18.8–19.5	QBO	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	07-396	07-397
RE02-07-1243	02-600287	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
RE02-07-1244	02-600287	4.5–7.0	ALLH	07-496	07-495	—	07-496	07-496	—	07-495	07-496	07-496	07-495	07-494	07-495	—	—	07-496	07-494	—	—	07-494	07-495
RE02-07-1246	02-600287	10.0–14.2	ALLH	07-496	07-495	—	07-496	07-496	—	07-495	07-496	07-496	07-495	07-494	07-495	—	—	07-496	07-494	—	—	07-494	07-495
RE02-07-1245	02-600287	14.2–17.0	QBO	07-496	07-495	—	07-496	07-496	—	07-495	07-496	07-496	07-495	07-494	07-495	—	—	07-496	07-494	—	—	07-494	07-495
RE02-07-1248	02-600288	0.0–0.5	ALLH	07-389	07-388	—	07-389	07-389	—	07-388	07-389	07-389	07-388	07-387	07-388	—	—	07-389	07-387	—	—	—	07-388
RE02-07-1249	02-600288	4.5–7.0	ALLH	07-430	07-429	—	07-430	07-430	—	07-429	07-430	07-430	07-429	07-428	07-429	—	—	07-430	07-428	—	—	07-428	07-429

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1251	02-600288	8.0–11.0	QAL	07-430	07-429	—	07-430	07-430	—	07-429	07-430	07-430	07-429	07-428	07-429	—	—	07-430	07-428	—	—	07-428	07-429
RE02-07-1250	02-600288	13.0–15.0	QBO	07-430	07-429	—	07-430	07-430	—	07-429	07-430	07-430	07-429	07-428	07-429	—	—	07-430	07-428	—	—	07-428	07-429
RE02-07-1253	02-600289	0.0–0.5	ALLH	07-389	07-388	—	07-389	07-389	—	07-388	07-389	07-389	07-388	07-387	07-388	—	—	07-389	07-387	—	—	—	07-388
RE02-07-1254	02-600289	4.5–6.3	QAL	07-413	07-412	—	07-413	07-413	—	07-412	07-413	07-413	07-412	07-411	07-412	—	—	07-413	07-411	—	—	07-411	07-412
RE02-07-1255	02-600289	10.0–14.5	QBO	07-413	07-412	—	07-413	07-413	—	07-412	07-413	07-413	07-412	07-411	07-412	—	—	07-413	07-411	—	—	07-411	07-412
RE02-07-1258	02-600290	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
RE02-07-1259	02-600290	4.5–6.7	ALLH	07-496	07-495	—	07-496	07-496	—	07-495	07-496	07-496	07-495	07-494	07-495	—	—	07-496	07-494	—	—	07-494	07-495
RE02-07-1261	02-600290	9.5–13.0	ALLH	07-496	07-495	—	07-496	07-496	—	07-495	07-496	07-496	07-495	07-494	07-495	—	—	07-496	07-494	—	—	07-494	07-495
RE02-07-1260	02-600290	13.2–18.0	QBO	07-500	07-499	—	07-500	07-500	—	07-499	07-500	07-500	07-499	07-498	07-499	—	—	07-500	07-498	—	—	07-498	07-499
RE02-07-1263	02-600291	0.0–0.5	ALLH	07-382	07-381	—	07-382	07-382	—	07-381	07-382	07-382	07-381	07-380	07-381	—	—	07-382	07-380	—	—	—	07-381
RE02-07-1264	02-600291	4.0–8.0	QAL	07-389	07-388	—	07-389	07-389	—	07-388	07-389	07-389	07-388	07-387	07-388	—	—	07-389	07-387	—	—	07-387	07-388
RE02-07-1266	02-600291	9.0–11.0	QBO	07-389	07-388	—	07-389	07-389	—	07-388	07-389	07-389	07-388	07-387	07-388	—	—	07-389	07-387	—	—	07-387	07-388
RE02-07-1265	02-600291	11.0–16.0	QBO	07-389	07-388	—	07-389	07-389	—	07-388	07-389	07-389	07-388	07-387	07-388	—	—	07-389	07-387	—	—	07-387	07-388
RE02-07-1268	02-600292	0.0–0.5	ALLH	07-398	07-397	—	07-398	07-398	—	07-397	07-398	07-398	07-397	07-396	07-397	—	—	07-398	07-396	—	—	—	07-397
Consolidated Unit 02-007-00																							
SWMU 02-007																							
RE02-07-2661	02-600592	0.0–0.5	ALLH	07-698	07-697	—	07-698	07-698	—	—	07-698	07-698	07-697	07-696	07-697	—	—	07-698	07-696	—	—	—	07-697
RE02-07-2662	02-600592	4.5–8.5	QAL	07-799	07-798	—	07-799	07-799	—	—	07-799	07-799	07-798	07-797	07-798	—	—	07-799	07-797	—	—	07-797	07-798
RE02-07-2664	02-600592	16.0–21.0	QBO	07-799	07-798	—	07-799	07-799	—	—	07-799	07-799	07-798	07-797	07-798	—	—	07-799	07-797	—	—	07-797	07-798
RE02-07-2666	02-600593	0.0–0.5	ALLH	07-698	07-697	—	07-698	07-698	—	—	07-698	07-698	07-697	07-696	07-697	—	—	07-698	07-696	—	—	—	07-697
RE02-07-2667	02-600593	4.5–7.0	QAL	07-799	07-798	—	07-799	07-799	—	—	07-799	07-799	07-798	07-797	07-798	—	—	07-799	07-797	—	—	07-797	07-798
RE02-07-2668	02-600593	9.5–14.5	QAL	07-799	07-798	—	07-799	07-799	—	—	07-799	07-799	07-798	07-797	07-798	—	—	07-799	07-797	—	—	07-797	07-798
RE02-07-2669	02-600593	14.5–16.7	QBO	07-799	07-798	—	07-799	07-799	—	—	07-799	07-799	07-798	07-797	07-798	—	—	07-799	07-797	—	—	07-797	07-798
RE02-07-2671	02-600594	0.0–0.5	ALLH	07-698	07-697	—	07-698	07-698	—	—	07-698	07-698	07-697	07-696	07-697	—	—	07-698	07-696	—	—	—	07-697
RE02-08-7077	02-600594	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	08-93	—
RE02-07-2672	02-600594	4.5–6.9	QAL	07-809	07-809	—	07-809	07-809	—	—	07-809	07-809	07-809	07-809	07-809	—	—	07-809	07-809	—	—	—	07-809
RE02-07-2673	02-600594	9.5–11.6	QAL	07-809	07-809	—	07-809	07-809	—	—	07-809	07-809	07-809	07-809	07-809	—	—	07-809	07-809	—	—	—	07-809
RE02-07-2674	02-600594	14.5–16.7	QBO	07-809	07-809	—	07-809	07-809	—	—	07-809	07-809	07-809	07-809	07-809	—	—	07-809	07-809	—	—	—	07-809
RE02-07-2676	02-600595	0.0–0.5	ALLH	07-698	07-697	—	07-698	07-698	—	—	07-698	07-698	07-697	07-696	07-697	—	—	07-698	07-696	—	—	—	07-697
RE02-07-2677	02-600595	4.5–6.0	QAL	07-822	07-822	—	07-822	07-822	—	—	07-822	07-822	07-822	07-822	07-822	—	—	07-822	07-822	—	—	07-822	07-822
RE02-07-2678	02-600595	9.5–11.9	QAL	07-822	07-822	—	07-822	07-822	—	—	07-822	07-822	07-822	07-822	07-822	—	—	07-822	07-822	—	—	07-822	07-822
RE02-07-2679	02-600595	14.5–20.5	QBO	07-822	07-822	—	07-822	07-822	—	—	07-822	07-822	07-822	07-822	07-822	—	—	07-822	07-822	—	—	07-822	07-822
RE02-07-2681	02-600596	0.0–0.5	ALLH	07-669	07-668	—	07-669	07-669	—	—	07-669	07-669	07-668	07-667	07-668	—	—	07-669	07-667	—	—	—	07-668
RE02-07-2682	02-600596	4.5–6.7	QAL	07-869	07-869	—	07-869	07-869	—	—	07-869	07-869	07-869	07-869	07-869	—	—	07-869	07-869	—	—	07-869	07-869
RE02-07-2683	02-600596	9.5–11.7	QAL	07-869	07-869	—	07-869	07-869	—	—	07-869	07-869	07-869	07-869	07-869	—	—	07-869	07-869	—	—	07-869	07-869
RE02-07-2684	02-600596	14.5–16.7	QBO	07-869	07-869	—	07-869	07-869	—	—	07-869	07-869	07-869	07-869	07-869	—	—	07-869	07-869	—	—	07-869	07-869

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2686	02-600597	0.0–0.5	ALLH	07-669	07-668	—	07-669	07-669	—	—	07-669	07-669	07-668	07-667	07-668	—	—	07-669	07-667	—	—	—	07-668
RE02-07-2687	02-600597	4.5–5.3	QAL	07-669	07-668	—	07-669	07-669	—	—	07-669	07-669	07-668	07-667	07-668	—	—	07-669	07-667	—	—	07-667	07-668
SWMU 02-009(a)																							
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	—	—	7873R	7873R	—	—	7873R	7873R	7871R, 7872R	—	—	—	—	7873R	—	—	—	—	—
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	—	—	7873R	7873R	—	—	7873R	7873R	7871R, 7872R	—	—	—	—	7873R	—	—	—	—	—
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	—	—	7873R	7873R	—	—	7873R	7873R	7871R, 7872R	—	—	—	—	7873R	—	—	—	—	—
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	—	—	7873R	7873R	—	—	7873R	7873R	7871R, 7872R	—	—	—	—	7873R	—	—	—	—	—
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0215	02-01264	5.0–5.5	ALLH	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
RE02-07-1128	02-600259	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1129	02-600259	2.0–3.0	QAL	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1130	02-600259	4.5–5.1	QAL	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1131	02-600260	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1132	02-600260	2.0–4.4	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1133	02-600260	4.5–7.2	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1134	02-600261	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1135	02-600261	2.0–2.5	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1136	02-600261	4.5–5.0	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1137	02-600262	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1138	02-600262	2.0–2.5	QAL	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1139	02-600262	4.5–5.0	QAL	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1146	02-600263	0.0–0.5	ALLH	07-1084	07-1083	—	07-1084	07-1084	—	—	07-1084	07-1084	07-1083	07-1082	07-1083	—	—	07-1084	07-1082	—	—	—	07-1083
RE02-07-1141	02-600263	2.0–2.5	ALLH	07-1084	07-1083	—	07-1084	07-1084	—	—	07-1084	07-1084	07-1083	07-1082	07-1083	—	—	07-1084	07-1082	—	—	07-1082	07-1083
RE02-07-1142	02-600263	4.5–5.0	QAL	07-1084	07-1083	—	07-1084	07-1084	—	—	07-1084	07-1084	07-1083	07-1082	07-1083	—	—	07-1084	07-1082	—	—	07-1082	07-1083
RE02-07-1143	02-600264	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1144	02-600264	2.0–2.5	ALLH	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1145	02-600264	4.5–5.0	ALLH	07-1076	07-1075	—	07-1076	07-1076	—	—	07-1076	07-1076	07-1075	07-1074	07-1075	—	—	07-1076	07-1074	—	—	07-1074	07-1075
RE02-07-1140	02-600265	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1147	02-600265	2.0–2.5	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1148	02-600265	4.5–5.0	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1149	02-600266	0.0–0.5	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	—	07-1091
RE02-07-1150	02-600266	2.0–2.5	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1151	02-600266	4.5–5.0	ALLH	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	07-1102	07-1103

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1152	02-600267	0.0–0.5	ALLH	07-346	07-345	—	07-346	07-346	—	—	07-346	07-346	07-345	07-344	07-345	—	—	07-346	07-344	—	—	—	07-345
RE02-07-1153	02-600267	2.0–3.5	ALLH	07-346	07-345	—	07-346	07-346	—	—	07-346	07-346	07-345	07-344	07-345	—	—	07-346	07-344	—	—	07-344	07-345
RE02-07-1154	02-600267	4.5–5.5	QAL	07-346	07-345	—	07-346	07-346	—	—	07-346	07-346	07-345	07-344	07-345	—	—	07-346	07-344	—	—	07-344	07-345
RE02-07-1155	02-600268	0.0–0.5	ALLH	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	—	07-1103
RE02-07-1156	02-600268	2.0–2.5	QAL	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	07-1102	07-1103
RE02-07-1157	02-600268	4.5–5.0	QAL	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	07-1102	07-1103
RE02-07-1158	02-600269	0.0–0.5	ALLH	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	—	07-1087
RE02-07-1159	02-600269	2.0–2.5	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1160	02-600269	4.5–5.0	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1161	02-600270	0.0–1.1	ALLH	07-1084	07-1083	—	07-1084	07-1084	—	—	07-1084	07-1084	07-1083	07-1082	07-1083	—	—	07-1084	07-1082	—	—	—	07-1083
RE02-07-1162	02-600270	2.0–2.8	QAL	07-1084	07-1083	—	07-1084	07-1084	—	—	07-1084	07-1084	07-1083	07-1082	07-1083	—	—	07-1084	07-1082	—	—	07-1082	07-1083
RE02-07-1163	02-600270	4.5–5.0	QAL	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	07-1090	07-1091
RE02-07-1164	02-600271	0.0–0.5	ALLH	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	—	07-1103
RE02-07-1165	02-600271	2.0–2.5	QAL	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	07-1102	07-1103
RE02-07-1166	02-600271	4.5–5.0	QAL	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	07-1102	07-1103
RE02-07-1167	02-600272	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1168	02-600272	2.0–4.0	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1169	02-600272	4.5–14.0	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1170	02-600273	0.0–0.5	ALLH	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	—	07-1087
RE02-07-1171	02-600273	2.0–2.5	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1172	02-600273	4.5–5.0	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1173	02-600274	0.0–0.5	ALLH	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	—	07-1057
RE02-07-1174	02-600274	2.0–4.5	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1175	02-600274	4.5–10.0	QAL	07-1058	07-1057	—	07-1058	07-1058	—	—	07-1058	07-1058	07-1057	07-1056	07-1057	—	—	07-1058	07-1056	—	—	07-1056	07-1057
RE02-07-1176	02-600275	0.0–0.5	ALLH	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	—	07-1087
RE02-07-1177	02-600275	2.0–3.0	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1178	02-600275	4.5–5.5	QAL	07-1088	07-1087	—	07-1088	07-1088	—	—	07-1088	07-1088	07-1087	07-1086	07-1087	—	—	07-1088	07-1086	—	—	07-1086	07-1087
RE02-07-1179	02-600276	0.0–0.5	ALLH	07-1103	07-1103	—	07-1103	07-1103	—	—	07-1103	07-1103	07-1103	07-1102	07-1103	—	—	07-1103	07-1102	—	—	—	07-1103
RE02-07-1180	02-600276	2.0–2.5	QAL	07-1108	07-1108	—	07-1108	07-1108	—	—	07-1108	07-1108	07-1107	07-1107	07-1108	—	—	07-1108	07-1107	—	—	07-1107	07-1108
RE02-07-1181	02-600276	4.5–5.0	QAL	07-1108	07-1108	—	07-1108	07-1108	—	—	07-1108	07-1108	07-1107	07-1107	07-1108	—	—	07-1108	07-1107	—	—	07-1107	07-1108
RE02-07-1182	02-600277	0.0–0.5	ALLH	07-352	07-351	—	07-352	07-352	—	—	07-352	07-352	07-351	07-350	07-351	—	—	07-352	07-350	—	—	—	07-351
RE02-07-1183	02-600277	2.0–3.0	QAL	07-352	07-351	—	07-352	07-352	—	—	07-352	07-352	07-351	07-350	07-351	—	—	07-352	07-350	—	—	07-350	07-351
RE02-07-1184	02-600277	4.5–5.0	QAL	07-352	07-351	—	07-352	07-352	—	—	07-352	07-352	07-351	07-350	07-351	—	—	07-352	07-350	—	—	07-350	07-351
RE02-07-1185	02-600278	0.0–0.5	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	—	07-1091
RE02-07-1188	02-600279	0.0–0.8	ALLH	07-1092	07-1091	—	07-1092	07-1092	—	—	07-1092	07-1092	07-1091	07-1090	07-1091	—	—	07-1092	07-1090	—	—	—	07-1091
RE02-07-1189	02-600279	2.0–2.5	QAL	07-1111	07-1110	—	07-1111	07-1111	—	—	07-1111	07-1111	07-1111	07-1110	07-1110	—	—	07-1111	07-1110	—	—	07-1110	07-1110
RE02-07-1190	02-600279	4.5–5.0	QAL	07-1111	07-1110	—	07-1111	07-1111	—	—	07-1111	07-1111	07-1111	07-1110	07-1110	—	—	07-1111	07-1110	—	—	07-1110	07-1110

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1191	02-600280	0.0–0.5	ALLH	07-1111	07-1110	—	07-1111	07-1111	—	—	07-1111	07-1111	07-1111	07-1110	07-1110	—	—	07-1111	07-1110	—	—	—	07-1110
RE02-07-1192	02-600280	2.0–2.5	QAL	07-1111	07-1110	—	07-1111	07-1111	—	—	07-1111	07-1111	07-1111	07-1110	07-1110	—	—	07-1111	07-1110	—	—	07-1110	07-1110
RE02-07-1193	02-600280	4.5–5.0	QAL	07-1111	07-1110	—	07-1111	07-1111	—	—	07-1111	07-1111	07-1111	07-1110	07-1110	—	—	07-1111	07-1110	—	—	07-1110	07-1110
RE02-07-1194	02-600281	0.0–0.5	ALLH	07-1108	07-1108	—	07-1108	07-1108	—	—	07-1108	07-1108	07-1107	07-1107	07-1108	—	—	07-1108	07-1107	—	—	—	07-1108
RE02-07-1195	02-600281	2.0–2.5	QAL	07-1108	07-1108	—	07-1108	07-1108	—	—	07-1108	07-1108	07-1107	07-1107	07-1108	—	—	07-1108	07-1107	—	—	07-1107	07-1108
RE02-07-1196	02-600281	4.5–5.0	QAL	07-1108	07-1108	—	07-1108	07-1108	—	—	07-1108	07-1108	07-1107	07-1107	07-1108	—	—	07-1108	07-1107	—	—	07-1107	07-1108
SWMU 02-009(b)																							
CA02-00-0176	02-01243	5.0–7.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0177	02-01243	11.5–12.5	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0178	02-01243	13.0–14.0	QBT3	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0181	02-01244	6.0–7.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	—	—	—	—	—
CA02-00-0182	02-01244	12.5–13.5	QBT3	—	—	—	7490R	7490R	—	—	7490R	7490R	7488R, 7489R	—	—	—	—	7490R	—	—	—	—	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	—	07-647
RE02-07-2748	02-600605	1.5–3.0	QAL	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	07-646	07-647
RE02-07-2751	02-600606	0.0–0.5	ALLH	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	—	07-647
RE02-07-2752	02-600606	1.5–1.9	QAL	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2753	02-600606	17.1–20.0	QBO	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2755	02-600607	0.0–0.5	ALLH	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	—	07-682
RE02-07-2756	02-600607	1.5–3.5	QAL	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2757	02-600607	15.0–21.0	QBO	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2759	02-600608	0.0–0.5	ALLH	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	—	07-647
RE02-07-2760	02-600608	1.5–2.3	QAL	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	07-646	07-647
RE02-07-2761	02-600608	11.5–13.7	QAL	07-728	07-728	—	07-728	07-728	—	—	07-728	07-728	07-728	07-728	07-728	—	—	07-728	07-728	—	—	07-728	07-728
RE02-07-2762	02-600609	0.0–0.5	ALLH	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	—	07-647
RE02-07-2763	02-600609	1.5–2.3	QAL	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2764	02-600609	11.5–14.5	QAL	07-719	07-719	—	07-719	07-719	—	—	07-719	07-719	07-719	07-719	07-719	—	—	07-719	07-719	—	—	07-719	07-719
RE02-07-3982	02-600609	21.5–23.5	QBO	07-728	07-728	—	07-728	07-728	—	—	07-728	07-728	07-728	07-728	07-728	—	—	07-728	07-728	—	—	07-728	07-728
RE02-07-2765	02-600610	0.0–0.5	ALLH	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	—	07-647
RE02-07-2766	02-600610	1.5–2.5	QAL	07-648	07-647	—	07-648	07-648	—	—	07-648	07-648	07-647	07-646	07-647	—	—	07-648	07-646	—	—	07-646	07-647
RE02-07-2767	02-600610	11.5–13.5	QAL	07-701	07-700	—	07-701	07-701	—	—	07-701	07-701	07-700	07-699	07-700	—	—	07-701	07-699	—	—	07-699	07-700
RE02-07-3983	02-600610	21.5–24.5	QBO	07-701	07-700	—	07-701	07-701	—	—	07-701	07-701	07-700	07-699	07-700	—	—	07-701	07-699	—	—	07-699	07-700
RE02-07-2768	02-600611	0.0–0.5	ALLH	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	—	07-682
RE02-07-2769	02-600611	1.5–2.4	QAL	07-683	07-682	—	07-683	07-683	—	—	07-683	07-683	07-682	07-681	07-682	—	—	07-683	07-681	—	—	07-681	07-682
RE02-07-2771	02-600612	0.0–1.2	ALLH	07-1009	07-1009	—	07-1009	07-1009	—	—	07-1009	07-1009	07-1009	07-1009	07-1009	—	—	07-1009	07-1009	—	—	—	07-1009
RE02-07-2774	02-600613	0.0–1.5	ALLH	07-1009	07-1009	—	07-1009	07-1009	—	—	07-1009	07-1009	07-1009	07-1009	07-1009	—	—	07-1009	07-1009	—	—	—	07-1009
RE02-07-2775	02-600613	1.5–2.5	QAL	07-1009	07-1009	—	07-1009	07-1009	—	—	07-1009	07-1009	07-1009	07-1009	07-1009	—	—	07-1009	07-1009	—	—	07-1009	07-1009

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
SWMU 02-009(c)																							
0402-95-0005	02-01140	8.5–9.5	QBT2	—	—	—	24	24	—	—	24	24	—	—	—	—	—	24	—	—	—	—	—
0402-95-0006	02-01140	12.5–13.5	QBT2	—	—	—	24	24	—	—	24	24	—	—	—	—	—	24	—	—	—	—	—
0402-95-0011	02-01141	7.5–8.5	QBT2	—	—	—	—	28	—	—	28	28	—	—	—	—	—	28	—	—	—	—	—
0402-95-0015	02-01142	4.0–5.0	QBT2	—	—	—	28	28	—	—	28	28	—	—	—	—	—	28	—	—	—	—	—
0402-95-0016	02-01142	9.0–10.0	QBT2	—	—	—	—	28	—	—	28	28	—	—	—	—	—	28	—	—	—	—	—
0402-95-0017	02-01142	16.5–17.5	QBT2	—	—	—	28	28	—	—	28	28	—	—	—	—	—	28	—	—	—	—	—
0402-95-0021	02-01143	3.0–5.0	QBT2	—	—	—	37	37	—	—	37	37	—	—	—	—	—	37	—	—	—	—	—
0402-95-0022	02-01143	9.0–10.0	QBT2	—	—	—	37	37	—	—	37	37	—	—	—	—	—	37	—	—	—	—	—
0402-95-0023	02-01143	14.0–15.0	QBT2	—	—	—	37	37	—	—	37	37	—	—	—	—	—	37	—	—	—	—	—
0402-95-0038	02-01146	7.5–8.5	ALLH	—	—	—	19	19	—	—	19	19	—	—	—	—	—	19	10	—	—	—	—
0402-95-0396	02-01146	7.5–8.5	SED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	662	—	—	—
0402-95-0039	02-01146	11.5–12.5	ALLH	—	—	—	19	19	—	—	19	19	—	—	—	—	—	19	10	—	—	—	—
0402-95-0044	02-01147	7.5–8.5	FILL	—	—	—	19	19	—	—	19	19	—	—	—	—	—	19	10	—	—	—	—
0402-95-0045	02-01147	12.5–14.0	ALLH	—	—	—	19	19	—	—	19	19	—	—	—	—	—	19	10	—	—	—	—
0402-95-0049	02-01148	8.0–9.0	QBT2	—	—	—	24	24	—	—	24	24	—	—	—	—	—	24	8	—	—	—	—
0402-95-0050	02-01148	12.5–13.5	QBT2	—	—	—	24	24	—	—	24	24	—	—	—	—	—	24	8	—	—	—	—
CA02-00-0021	02-01225	5.0–7.0	FILL	—	—	—	7446R	7446R	—	—	7446R	7446R	7444R, 7445R	—	—	—	—	7446R	7432R	—	—	—	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	—	—	7446R	7446R	—	—	7446R	7446R	7444R, 7445R	—	—	—	—	7446R	7432R	—	—	—	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	—	—	7446R	7446R	—	—	7446R	7446R	7444R, 7445R	—	—	—	—	7446R	7432R	—	—	—	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	—	—	—	7446R	7446R	—	—	7446R	7446R	7444R, 7445R	—	—	—	—	7446R	7432R	—	—	—	—
CA02-00-0026	02-01226	5.0–6.5	QBT2	—	—	—	7446R	7446R	—	—	7446R	7446R	7444R, 7445R	—	—	—	—	7446R	7432R	—	—	—	—
CA02-00-0027	02-01226	10.0–12.0	QBT2	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0028	02-01226	12.5–14.0	QBT2	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0031	02-01227	5.0–7.5	FILL	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0032	02-01227	7.5–9.0	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0033	02-01227	10.0–12.0	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0034	02-01227	12.5–14.0	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0216	02-01228	0.0–0.5	SED	—	—	—	7869R	7869R	—	—	7869R	7869R	7867R, 7868R	—	—	—	—	7869R	—	—	—	—	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0036	02-01228	2.5–4.5	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0037	02-01228	5.5–7.5	FILL	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0038	02-01228	7.5–10.0	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0039	02-01228	10.0–12.3	ALLH	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	—	—	—	7443R	7443R	—	—	7443R	7443R	7441R, 7442R	—	—	—	—	7443R	7431R	—	—	—	—
CA02-00-0043	02-01229	5.0–7.5	FILL	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0046	02-01229	12.5–15.0	QBT2	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0049	02-01230	5.0–7.0	FILL	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0056	02-01231	5.0–6.5	FILL	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	—	—	—	7450R	7450R	—	—	7450R	7450R	7448R, 7449R	—	—	—	—	7450R	7447R	—	—	—	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	—	—	7457R	7457R	—	—	7457R	7457R	7455R, 7456R	—	—	—	—	7457R	7454R	—	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2702	02-600598	9.5–11.5	QAL	07-1034	07-1034	—	07-1034	07-1034	—	07-1034	07-1034	07-1034	07-1034	—	07-1034	—	—	07-1034	07-1034	—	—	07-1034	07-1034
RE02-07-2703	02-600598	14.5–16.7	QBO	07-1034	07-1034	—	07-1034	07-1034	—	07-1034	07-1034	07-1034	07-1034	—	07-1034	—	—	07-1034	07-1034	—	—	07-1034	07-1034
RE02-07-2705	02-600599	0.0–0.5	ALLH	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2706	02-600599	4.5–7.3	QAL	07-995	07-995	—	07-995	07-995	—	07-995	07-995	07-995	07-995	—	07-995	—	—	07-995	07-995	—	—	07-995	07-995
RE02-07-2707	02-600599	9.5–12.5	QAL	07-1034	07-1034	—	07-1034	07-1034	—	07-1034	07-1034	07-1034	07-1034	—	07-1034	—	—	07-1034	07-1034	—	—	07-1034	07-1034
RE02-07-2708	02-600599	13.5–20.5	QBO	07-1034	07-1034	—	07-1034	07-1034	—	07-1034	07-1034	07-1034	07-1034	—	07-1034	—	—	07-1034	07-1034	—	—	07-1034	07-1034
RE02-07-2710	02-600600	0.0–0.5	ALLH	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2711	02-600600	4.5–6.5	QAL	07-1048	07-1048	—	07-1048	07-1048	—	07-1048	07-1048	07-1048	07-1048	—	07-1048	—	—	07-1048	07-1048	—	—	07-1048	07-1048
RE02-07-2712	02-600600	9.5–11.8	QAL	07-1048	07-1048	—	07-1048	07-1048	—	07-1048	07-1048	07-1048	07-1048	—	07-1048	—	—	07-1048	07-1048	—	—	07-1048	07-1048
RE02-07-2713	02-600600	14.5–17.0	QBO	07-1048	07-1048	—	07-1048	07-1048	—	07-1048	07-1048	07-1048	07-1048	—	07-1048	—	—	07-1048	07-1048	—	—	07-1048	07-1048
RE02-07-2715	02-600601	0.0–0.5	ALLH	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2716	02-600601	4.5–6.7	QAL	07-1055	07-1054	—	07-1055	07-1055	—	07-1054	07-1055	07-1055	07-1054	—	07-1054	—	—	07-1055	07-1053	—	—	07-1053	07-1054
RE02-07-2717	02-600601	9.5–11.3	QAL	07-1055	07-1054	—	07-1055	07-1055	—	07-1054	07-1055	07-1055	07-1054	—	07-1054	—	—	07-1055	07-1053	—	—	07-1053	07-1054
RE02-07-2718	02-600601	14.5–16.8	QBO	07-1055	07-1054	—	07-1055	07-1055	—	07-1054	07-1055	07-1055	07-1054	—	07-1054	—	—	07-1055	07-1053	—	—	07-1053	07-1054
RE02-07-2720	02-600602	0.0–0.5	ALLH	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2721	02-600602	4.5–9.5	QAL	07-1055	07-1054	—	07-1055	07-1055	—	07-1054	07-1055	07-1055	07-1054	—	07-1054	—	—	07-1055	07-1053	—	—	07-1053	07-1054
RE02-07-2723	02-600602	14.5–19.5	QBO	07-1055	07-1054	—	07-1055	07-1055	—	07-1054	07-1055	07-1055	07-1054	—	07-1054	—	—	07-1055	07-1053	—	—	07-1053	07-1054
RE02-07-2725	02-600603	0.0–0.5	SED	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2730	02-600604	0.0–0.5	SED	07-692	07-691	—	07-692	07-692	—	07-691	07-692	07-692	07-691	—	07-691	—	—	07-692	07-690	—	—	—	07-691
RE02-07-2948	02-600643	0.0–0.5	ALLH	07-704	07-704	—	07-704	07-704	—	07-704	07-704	07-704	07-704	07-704	07-704	—	—	07-704	07-704	—	—	—	07-704
RE02-07-2949	02-600643	4.5–5.5	QAL	07-704	07-704	—	07-704	07-704	—	07-704	07-704	07-704	07-704	07-704	07-704	—	—	07-704	07-704	—	—	07-704	07-704
RE02-07-2950	02-600643	9.5–12.4	QAL	07-814	07-814	—	07-814	07-814	—	07-814	07-814	07-814	07-814	07-814	07-814	—	—	07-814	07-814	—	—	07-814	07-814
RE02-07-2951	02-600643	14.5–16.9	QBO	07-814	07-814	—	07-814	07-814	—	07-814	07-814	07-814	07-814	07-814	07-814	—	—	07-814	07-814	—	—	07-814	07-814
RE02-07-2953	02-600644	0.0–0.5	ALLH	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	—	07-710
RE02-07-2954	02-600644	4.5–5.2	QAL	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	07-709	07-710
RE02-07-2955	02-600644	9.5–11.7	QAL	07-821	07-821	—	07-821	07-821	—	07-821	07-821	07-821	07-821	07-821	07-821	—	—	07-821	07-821	—	—	07-821	07-821
RE02-07-2956	02-600644	14.5–19.5	QBO	07-821	07-821	—	07-821	07-821	—	07-821	07-821	07-821	07-821	07-821	07-821	—	—	07-821	07-821	—	—	07-821	07-821
RE02-07-2958	02-600645	0.0–0.5	ALLH	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	—	07-710
RE02-07-2959	02-600645	4.5–5.25	QAL	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	07-709	07-710
RE02-07-2960	02-600645	9.5–12.2	QAL	07-846	07-845	—	07-846	07-846	—	07-845	07-846	07-846	07-845	07-844	07-845	—	—	07-846	07-844	—	—	07-844	07-845
RE02-07-2961	02-600645	14.5–20.5	QBO	07-846	07-845	—	07-846	07-846	—	07-845	07-846	07-846	07-845	07-844	07-845	—	—	07-846	07-844	—	—	07-844	07-845
RE02-07-2963	02-600646	0.0–0.5	ALLH	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	—	07-710
RE02-07-2964	02-600646	4.5–8.3	QAL	07-846	07-845	—	07-846	07-846	—	07-845	07-846	07-846	07-845	07-844	07-845	—	—	07-846	07-844	—	—	07-844	07-845
RE02-07-2965	02-600646	9.5–11.7	QAL	07-846	07-845	—	07-846	07-846	—	07-845	07-846	07-846	07-845	07-844	07-845	—	—	07-846	07-844	—	—	07-844	07-845
RE02-07-2966	02-600646	14.5–16.8	QBO	07-846	07-845	—	07-846	07-846	—	07-845	07-846	07-846	07-845	07-844	07-845	—	—	07-846	07-844	—	—	07-844	07-845
RE02-07-2968	02-600647	0.0–0.5	ALLH	07-724	07-723	—	07-724	07-724	—	07-723	07-724	07-724	07-723	07-722	07-723	—	—	07-724	07-722	—	—	—	07-723
RE02-07-2969	02-600647	4.5–4.9	QAL	07-1027	07-1027	—	07-1027	07-1027	—	07-1027	07-1027	07-1027	07-1027	07-1027	07-1027	—	—	07-1027	07-1027	—	—	07-1027	07-1027
RE02-07-2973	02-600648	0.0–0.5	ALLH	07-724	07-723	—	07-724	07-724	—	07-723	07-724	07-724	07-723	07-722	07-723	—	—	07-724	07-722	—	—	—	07-723
RE02-07-2974	02-600648	4.5–7.0	QAL	07-944	07-944	—	07-944	07-944	—	07-944	07-944	07-944	07-944	07-944	07-944	—	—	07-944	07-944	—	—	07-944	07-944
RE02-07-2976	02-600648	13.5–14.5	QBO	07-944	07-944	—	07-944	07-944	—	07-944	07-944	07-944	07-944	07-944	07-944	—	—	07-944	07-944	—	—	07-944	07-944
RE02-07-2977	02-600648	14.5–19.5	QBO	07-944	07-944	—	07-944	07-944	—	07-944	07-944	07-944	07-944	07-944	07-944	—	—	07-944	07-944	—	—	07-944	07-944
RE02-07-2978	02-600649	0.0–0.5	ALLH	07-724	07-723	—	07-724	07-724	—	07-723	07-724	07-724	07-723	07-722	07-723	—	—	07-724	07-722	—	—	—	07-723
RE02-07-2983	02-600650	0.0–0.5	ALLH	07-724	07-723	—	07-724	07-724	—	07-723	07-724	07-724	07-723	07-722	07-723	—	—	07-724	07-722	—	—	—	07-723
RE02-07-2984	02-600650	4.5–6.3	QAL	07-977	07-977	—	07-977	07-977	—	07-977	07-977	07-977	07-977	07-977	07-977	—	—	07-977	07-977	—	—	07-977	07-977
RE02-07-2985	02-600650	9.5–11.3	QAL	07-977	07-977	—	07-977	07-977	—	07-977	07-977	07-977	07-977	07-977	07-977	—	—	07-977	07-977	—	—	07-977	07-977
RE02-07-2988	02-600651	0.0–0.5	ALLH	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	—	07-710
RE02-07-2989	02-600651	4.5–5.0	QAL	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	07-709	07-710
RE02-07-2990	02-600651	9.5–12.7	QAL	07-836	07-836	—	07-836	07-836	—	07-836	07-836	07-836	07-836	07-836	07-836	—	—	07-836	07-836	—	—	07-836	07-836

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2992	02-600651	14.5–16.9	QBO	07-836	07-836	—	07-836	07-836	—	07-836	07-836	07-836	07-836	07-836	07-836	—	—	07-836	07-836	—	—	07-836	07-836
RE02-07-2991	02-600651	19.5–21.6	QBO	07-836	07-836	—	07-836	07-836	—	07-836	07-836	07-836	07-836	07-836	07-836	—	—	07-836	07-836	—	—	07-836	07-836
RE02-07-2993	02-600652	0.0–0.5	ALLH	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	—	07-710
RE02-07-2994	02-600652	4.5–5.3	QAL	07-711	07-710	—	07-711	07-711	—	07-710	07-711	07-711	07-710	07-709	07-710	—	—	07-711	07-709	—	—	07-709	07-710
RE02-07-2995	02-600652	9.5–11.7	QAL	07-858	07-858	—	07-858	07-858	—	07-858	07-858	07-858	07-858	07-858	07-858	—	—	07-858	07-858	—	—	07-858	07-858
RE02-07-2997	02-600652	14.5–16.6	QAL	07-858	07-858	—	07-858	07-858	—	07-858	07-858	07-858	07-858	07-858	07-858	—	—	07-858	07-858	—	—	07-858	07-858
RE02-07-2996	02-600652	16.6–18.4	QBO	07-858	07-858	—	07-858	07-858	—	07-858	07-858	07-858	07-858	07-858	07-858	—	—	07-858	07-858	—	—	07-858	07-858
RE02-07-3200	02-600698	0.0–0.5	ALLH	07-695	07-694	—	07-695	07-695	—	07-694	07-695	07-695	07-694	07-693	07-694	—	—	07-695	07-693	—	—	—	07-694
RE02-07-3201	02-600698	4.5–7.3	QAL	07-852	07-851	—	07-852	07-852	—	07-851	07-852	07-852	07-851	07-850	07-851	—	—	07-852	07-850	—	—	07-850	07-851
RE02-07-3202	02-600698	9.5–12.2	QAL	07-852	07-851	—	07-852	07-852	—	07-851	07-852	07-852	07-851	07-850	07-851	—	—	07-852	07-850	—	—	07-850	07-851
RE02-07-3205	02-600699	0.0–0.5	ALLH	07-695	07-694	—	07-695	07-695	—	07-694	07-695	07-695	07-694	07-693	07-694	—	—	07-695	07-693	—	—	—	07-694
RE02-07-3206	02-600699	4.5–7.0	QAL	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3208	02-600699	14.5–19.5	QBO	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3209	02-600699	19.5–21.7	QBO	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3210	02-600700	0.0–0.5	ALLH	07-666	07-665	—	07-666	07-666	—	07-665	07-666	07-666	07-665	07-664	07-665	—	—	07-666	07-664	—	—	—	07-665
RE02-07-3211	02-600700	4.5–6.7	QAL	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3212	02-600700	9.5–11.1	QAL	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3213	02-600700	14.5–16.7	QBO	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3215	02-600701	0.0–0.5	ALLH	07-695	07-694	—	07-695	07-695	—	07-694	07-695	07-695	07-694	07-693	07-694	—	—	07-695	07-693	—	—	—	07-694
RE02-07-3216	02-600701	4.5–6.2	QAL	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3217	02-600701	9.5–11.7	QBO	07-936	07-935	—	07-936	07-936	—	07-935	07-936	07-936	07-935	07-934	07-935	—	—	07-936	07-934	—	—	07-934	07-935
RE02-07-3220	02-600702	0.0–0.5	ALLH	07-695	07-694	—	07-695	07-695	—	07-694	07-695	07-695	07-694	07-693	07-694	—	—	07-695	07-693	—	—	—	07-694
RE02-07-3221	02-600702	4.5–6.7	QAL	07-852	07-851	—	07-852	07-852	—	07-851	07-852	07-852	07-851	07-850	07-851	—	—	07-852	07-850	—	—	07-850	07-851
RE02-07-3222	02-600702	9.5–12.7	QBO	07-852	07-851	—	07-852	07-852	—	07-851	07-852	07-852	07-851	07-850	07-851	—	—	07-852	07-850	—	—	07-850	07-851
RE02-07-3225	02-600703	0.0–0.5	SED	07-666	07-665	—	07-666	07-666	—	07-665	07-666	07-666	07-665	07-664	07-665	—	—	07-666	07-664	—	—	—	07-665
RE02-07-3230	02-600704	0.0–0.5	SED	07-666	07-665	—	07-666	07-666	—	07-665	07-666	07-666	07-665	07-664	07-665	—	—	07-666	07-664	—	—	—	07-665
RE02-07-3233	02-600704	14.5–16.7	QBO	07-964	07-964	—	07-964	07-964	—	07-964	07-964	07-964	07-964	07-964	07-964	—	—	07-964	07-964	—	—	07-964	07-964
RE02-07-3235	02-600705	0.0–0.5	SED	07-666	07-665	—	07-666	07-666	—	07-665	07-666	07-666	07-665	07-664	07-665	—	—	07-666	07-664	—	—	—	07-665
RE02-07-3236	02-600705	4.5–6.3	QAL	07-986	07-986	—	07-986	07-986	—	07-986	07-986	07-986	07-986	07-986	07-986	—	—	07-986	07-986	—	—	07-986	07-986
RE02-07-3237	02-600705	9.5–11.7	QBO	07-986	07-986	—	07-986	07-986	—	07-986	07-986	07-986	07-986	07-986	07-986	—	—	07-986	07-986	—	—	07-986	07-986
RE02-07-3240	02-600706	0.0–0.5	SED	07-666	07-665	—	07-666	07-666	—	07-665	07-666	07-666	07-665	07-664	07-665	—	—	07-666	07-664	—	—	—	07-665
SWMU 02-008(a)																							
CA02-00-0321	02-01249	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
RE02-07-2052	02-600481	0.0–0.5	ALLH	07-820	07-820	—	07-820	07-820	—	07-820	07-820	07-820	07-820	07-820	07-820	—	—	07-820	07-820	—	—	—	07-820
RE02-07-2053	02-600481	4.5–8.5	QAL	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032
RE02-07-2055	02-600481	8.5–13.5	QAL	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032
RE02-07-2054	02-600481	13.5–16.0	QBO	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-6286	02-600482	0.0–0.5	ALLH	07-886	07-886	—	07-886	07-886	—	07-886	07-886	07-886	07-886	07-886	07-886	—	—	07-886	07-886	—	—	—	07-886
RE02-07-2056	02-600482	0.0–4.5	ALLH	07-403	07-403	—	07-403	07-403	—	07-403	07-403	07-403	07-403	07-402	07-403	—	—	07-403	07-402	—	—	—	07-403
RE02-07-2057	02-600482	4.5–7.0	QAL	07-448	07-447	—	07-448	07-448	—	07-447	07-448	07-448	07-447	07-446	07-447	—	—	07-448	07-446	—	—	07-446	07-447
RE02-07-2059	02-600482	7.0–9.5	QAL	07-448	07-447	—	07-448	07-448	—	07-447	07-448	07-448	07-447	07-446	07-447	—	—	07-448	07-446	—	—	07-446	07-447
RE02-07-2058	02-600482	9.5–14.5	QBO	07-448	07-447	—	07-448	07-448	—	07-447	07-448	07-448	07-447	07-446	07-447	—	—	07-448	07-446	—	—	07-446	07-447
RE02-07-2060	02-600483	0.0–0.5	ALLH	07-820	07-820	—	07-820	07-820	—	07-820	07-820	07-820	07-820	07-820	07-820	—	—	07-820	07-820	—	—	—	07-820
RE02-07-2061	02-600483	4.5–8.5	QAL	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032
RE02-07-2063	02-600483	8.5–13.5	QAL	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032
RE02-07-2062	02-600483	13.5–16.0	QBO	07-1033	07-1032	—	07-1033	07-1033	—	07-1032	07-1033	07-1033	07-1032	07-1031	07-1032	—	—	07-1033	07-1031	—	—	07-1031	07-1032
RE02-07-2064	02-600484	0.0–0.5	ALLH	07-337	07-336	—	07-337	07-337	—	07-336	07-337	07-337	07-336	07-335	07-336	—	—	07-337	07-335	—	—	—	07-336
RE02-07-2065	02-600484	2.0–2.7	QAL	07-337	07-336	—	07-337	07-337	—	07-336	07-337	07-337	07-336	07-335	07-336	—	—	07-337	07-335	—	—	07-335	07-336
AOC 02-008(c)																							
0402-95-0319	02-01154	0.0–1.0	ALLH	—	—	—	—	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
CA02-00-0167	02-01252	0.0–0.5	SED	—	7569R	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	7567R	—	—	—	—
CA02-00-0168	02-01253	0.0–0.5	SED	—	7569R	—	7571R	7571R	—	—	7571R	7571R	7568R, 7570R	—	—	—	—	7571R	7567R	—	—	—	—
RE02-07-884	02-600210	0.0–0.5	ALLH	07-1028	07-1028	—	07-1028	07-1028	—	—	07-1028	07-1028	07-1028	07-1028	07-1028	—	—	07-1028	07-1028	—	—	—	07-1028
RE02-07-2837	02-600625	0.0–0.5	ALLH	07-765	07-764	—	07-765	07-765	—	—	07-765	07-765	07-764	07-763	07-764	—	—	07-765	07-763	—	—	—	07-764
RE02-07-2838	02-600625	4.5–8.5	QAL	07-1029	07-1029	—	07-1029	07-1029	—	—	07-1029	07-1029	07-1029	07-1029	07-1029	—	—	07-1029	07-1029	—	—	07-1029	07-1029
RE02-07-2839	02-600625	16.5–21.0	QBO	07-1029	07-1029	—	07-1029	07-1029	—	—	07-1029	07-1029	07-1029	07-1029	07-1029	—	—	07-1029	07-1029	—	—	07-1029	07-1029
RE02-07-2841	02-600626	0.0–0.5	ALLH	07-765	07-764	—	07-765	07-765	—	—	07-765	07-765	07-764	07-763	07-764	—	—	07-765	07-763	—	—	—	07-764
RE02-07-2842	02-600626	4.5–8.0	QAL	07-893	07-893	—	07-893	07-893	—	—	07-893	07-893	07-893	07-893	07-893	—	—	07-893	07-893	—	—	07-893	07-893
RE02-07-2843	02-600626	8.0–13.5	QAL	07-893	07-893	—	07-893	07-893	—	—	07-893	07-893	07-893	07-893	07-893	—	—	07-893	07-893	—	—	07-893	07-893
RE02-07-2844	02-600626	13.5–18.5	QBO	07-893	07-893	—	07-893	07-893	—	—	07-893	07-893	07-893	07-893	07-893	—	—	07-893	07-893	—	—	07-893	07-893
RE02-07-2845	02-600627	0.0–0.5	ALLH	07-765	07-764	—	07-765	07-765	—	—	07-765	07-765	07-764	07-763	07-764	—	—	07-765	07-763	—	—	—	07-764
AOC 02-009(d)																							
CA02-00-0290	02-01245	4.0–5.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	7480R	—	—	—	—
CA02-00-0291	02-01245	5.0–8.0	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	7480R	—	—	—	—
CA02-00-0292	02-01245	10.0–11.5	ALLH	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	7480R	—	—	—	—
CA02-00-0293	02-01245	14.5–15.5	QBT3	—	—	—	7483R	7483R	—	—	7483R	7483R	7481R, 7482R	—	—	—	—	7483R	7480R	—	—	—	—
RE02-07-2786	02-600614	0.0–0.5	ALLH	07-741	07-740	—	07-741	07-741	—	07-740	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	—	07-740
RE02-07-2787	02-600614	1.5–3.7	QAL	07-778	07-778	—	07-778	07-778	—	07-778	07-778	07-778	07-778	07-778	07-778	—	—	07-778	07-778	—	—	07-778	07-778
RE02-07-2788	02-600614	11.5–13.5	QAL	07-778	07-778	—	07-778	07-778	—	07-778	07-778	07-778	07-778	07-778	07-778	—	—	07-778	07-778	—	—	07-778	07-778
RE02-07-2790	02-600614	13.0–15.5	QAL	07-810	07-810	—	07-810	07-810	—	07-810	07-810	07-810	07-810	07-810	07-810	—	—	07-810	07-810	—	—	07-810	07-810
RE02-07-2789	02-600614	15.0–19.2	QBO	07-810	07-810	—	07-810	07-810	—	07-810	07-810	07-810	07-810	07-810	07-810	—	—	07-810	07-810	—	—	07-810	07-810
RE02-07-2791	02-600615	0.0–0.5	ALLH	07-727	07-726	—	07-727	07-727	—	07-726	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	—	07-726
RE02-07-2792	02-600615	1.5–3.5	QAL	07-741	07-740	—	07-741	07-741	—	07-740	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	07-739	07-740
RE02-07-2794	02-600615	16.5–18.7	QBO	07-741	07-740	—	07-741	07-741	—	07-740	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	07-739	07-740

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2796	02-600616	0.0–0.5	ALLH	07-727	07-726	—	07-727	07-727	—	07-726	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	—	07-726
RE02-07-2797	02-600616	1.5–3.6	QAL	07-751	07-750	—	07-751	07-751	—	07-750	07-751	07-751	07-750	07-749	07-750	—	—	07-751	07-749	—	—	07-749	07-750
RE02-07-2798	02-600616	11.5–13.7	QAL	07-751	07-750	—	07-751	07-751	—	07-750	07-751	07-751	07-750	07-749	07-750	—	—	07-751	07-749	—	—	07-749	07-750
RE02-07-2801	02-600617	0.0–0.5	ALLH	07-727	07-726	—	07-727	07-727	—	—	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	—	07-726
RE02-07-2802	02-600617	1.5–5.0	QAL	07-1011	07-1011	—	07-1011	07-1011	—	—	07-1011	07-1011	07-1011	07-1011	07-1011	—	—	07-1011	07-1011	—	—	07-1011	07-1011
RE02-07-2803	02-600617	11.5–13.0	QAL	07-1011	07-1011	—	07-1011	07-1011	—	—	07-1011	07-1011	07-1011	07-1011	07-1011	—	—	07-1011	07-1011	—	—	07-1011	07-1011
RE02-07-2804	02-600618	0.0–0.5	ALLH	07-727	07-726	—	07-727	07-727	—	—	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	—	07-726
RE02-07-2805	02-600618	1.5–3.3	QAL	07-778	07-778	—	07-778	07-778	—	—	07-778	07-778	07-778	07-778	07-778	—	—	07-778	07-778	—	—	07-778	07-778
RE02-07-2806	02-600618	11.5–14.1	QAL	07-778	07-778	—	07-778	07-778	—	—	07-778	07-778	07-778	07-778	07-778	—	—	07-778	07-778	—	—	07-778	07-778
RE02-07-2807	02-600619	0.0–0.5	ALLH	07-751	07-750	—	07-751	07-751	—	07-750	07-751	07-751	07-750	07-749	07-750	—	—	07-751	07-749	—	—	—	07-750
RE02-07-2808	02-600619	1.5–5.0	QAL	07-751	07-750	—	07-751	07-751	—	07-750	07-751	07-751	07-750	07-749	07-750	—	—	07-751	07-749	—	—	07-749	07-750
RE02-07-2809	02-600619	11.5–13.6	QAL	07-751	07-750	—	07-751	07-751	—	07-750	07-751	07-751	07-750	07-749	07-750	—	—	07-751	07-749	—	—	07-749	07-750
RE02-07-2810	02-600620	0.0–0.5	ALLH	07-727	07-726	—	07-727	07-727	—	—	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	—	07-726
RE02-07-2811	02-600620	1.5–2.5	QAL	07-727	07-726	—	07-727	07-727	—	—	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	07-725	07-726
RE02-07-2812	02-600620	11.5–13.9	QAL	07-727	07-726	—	07-727	07-727	—	—	07-727	07-727	07-726	07-725	07-726	—	—	07-727	07-725	—	—	07-725	07-726
RE02-07-2813	02-600621	0.0–0.5	ALLH	07-741	07-740	—	07-741	07-741	—	—	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	—	07-740
RE02-07-2814	02-600621	1.5–3.7	QAL	07-768	07-767	—	07-768	07-768	—	—	07-768	07-768	07-767	07-766	07-767	—	—	07-768	07-766	—	—	07-766	07-767
RE02-07-2815	02-600621	11.5–13.4	QAL	07-768	07-767	—	07-768	07-768	—	—	07-768	07-768	07-767	07-766	07-767	—	—	07-768	07-766	—	—	07-766	07-767
RE02-07-2816	02-600622	0.0–0.5	ALLH	07-741	07-740	—	07-741	07-741	—	—	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	—	07-740
RE02-07-2817	02-600622	1.5–2.0	QAL	07-741	07-740	—	07-741	07-741	—	—	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	07-739	07-740
RE02-07-2818	02-600622	11.5–15.0	QAL	07-768	07-767	—	07-768	07-768	—	—	07-768	07-768	07-767	07-766	07-767	—	—	07-768	07-766	—	—	07-766	07-767
RE02-07-2819	02-600623	0.0–0.5	ALLH	07-741	07-740	—	07-741	07-741	—	—	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	—	07-740
RE02-07-2820	02-600623	1.5–3.8	QAL	07-768	07-767	—	07-768	07-768	—	—	07-768	07-768	07-767	07-766	07-767	—	—	07-768	07-766	—	—	07-766	07-767
RE02-07-2821	02-600623	11.5–13.9	QAL	07-768	07-767	—	07-768	07-768	—	—	07-768	07-768	07-767	07-766	07-767	—	—	07-768	07-766	—	—	07-766	07-767
RE02-07-2822	02-600624	0.0–0.5	ALLH	07-741	07-740	—	07-741	07-741	—	—	07-741	07-741	07-740	07-739	07-740	—	—	07-741	07-739	—	—	—	07-740
RE02-07-2823	02-600624	1.5–1.9	QAL	07-1011	07-1011	—	07-1011	07-1011	—	—	07-1011	07-1011	07-1011	07-1011	07-1011	—	—	07-1011	07-1011	—	—	07-1011	07-1011
AOC 02-010																							
CA02-00-0300	02-01246	0.0–1.0	ALLH	—	7493R	—	7495R	7495R	—	—	7495R	7495R	7492R, 7494R	—	—	—	—	7495R	7491R	—	—	—	—
CA02-00-0301	02-01246	7.5–9.5	ALLH	—	7493R	—	7495R	7495R	—	—	7495R	7495R	7492R, 7494R	—	—	—	—	7495R	7491R	—	—	—	—
CA02-00-0302	02-01246	17.5–18.5	ALLH	—	7493R	—	7495R	7495R	—	—	7495R	7495R	7492R, 7494R	—	—	—	—	7495R	7491R	—	—	—	—
CA02-00-0303	02-01246	34.5–36.5	ALLH	—	7493R	—	7495R	7495R	—	—	7495R	7495R	7492R, 7494R	—	—	—	—	7495R	7491R	—	—	—	—
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	7493R	—	7495R	7495R	—	—	7495R	7495R	7492R, 7494R	—	—	—	—	7495R	7491R	—	—	—	—
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	1827S	—	1827S	1827S	—	1827S	1827S	1827S	1827S	—	—	—	—	1827S	1827S	1827S	—	—	—
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	1827S	—	1827S	1827S	—	1827S	1827S	1827S	1827S	—	—	—	—	1827S	1827S	1827S	—	—	—
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	1827S	—	1827S	1827S	—	1827S	1827S	1827S	1827S	—	—	—	—	1827S	1827S	1827S	—	—	—
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	1827S	—	1827S	1827S	—	1827S	1827S	1827S	1827S	—	—	—	—	1827S	1827S	1827S	—	—	—
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	1830S	—	1831S	1831S	—	1830S	1831S	1831S	1830S	—	—	—	—	1831S	1829S	1831S	—	—	—

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-03-51903	02-22390	4.5–5.0	ALLH	—	1830S	—	1831S	1831S	—	1830S	1831S	1831S	1830S	—	—	—	—	1831S	1829S	1831S	—	—	—
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	1830S	—	1831S	1831S	—	1830S	1831S	1831S	1830S	—	—	—	—	1831S	1829S	1831S	—	—	—
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	1830S	—	1831S	1831S	—	1830S	1831S	1831S	1830S	—	—	—	—	1831S	1829S	1831S	—	—	—
RE02-07-2856	02-600628	0.0–0.5	ALLH	07-556	07-555	—	07-556	07-556	—	—	07-556	07-556	07-555	07-554	07-555	—	—	07-556	07-554	—	—	—	07-555
RE02-07-2857	02-600628	4.5–7.5	QAL	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2859	02-600628	13.0–18.0	QBO	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-6829	02-600628	19.5–22.0	QBO	07-1151	07-1151	—	07-1151	07-1151	—	—	07-1151	07-1151	07-1151	07-1151	07-1151	—	—	07-1151	07-1151	—	—	07-1151	07-1151
RE02-07-2861	02-600629	0.0–2.5	ALLH	07-1035	07-1035	—	07-1035	07-1035	—	—	07-1035	07-1035	07-1035	07-1035	07-1035	—	—	07-1035	07-1035	—	—	—	07-1035
RE02-07-2862	02-600629	4.5–6.2	QAL	07-1035	07-1035	—	07-1035	07-1035	—	—	07-1035	07-1035	07-1035	07-1035	07-1035	—	—	07-1035	07-1035	—	—	07-1035	07-1035
RE02-07-2865	02-600629	9.5–12.0	QAL	07-1035	07-1035	—	07-1035	07-1035	—	—	07-1035	07-1035	07-1035	07-1035	07-1035	—	—	07-1035	07-1035	—	—	07-1035	07-1035
RE02-07-2864	02-600629	14.5–19.5	QBO	07-1035	07-1035	—	07-1035	07-1035	—	—	07-1035	07-1035	07-1035	07-1035	07-1035	—	—	07-1035	07-1035	—	—	07-1035	07-1035
RE02-07-6830	02-600629	19.5–22.0	QBO	07-1131	07-1131	—	07-1131	07-1131	—	—	07-1131	07-1131	07-1131	07-1131	07-1131	—	—	07-1131	07-1131	—	—	07-1131	07-1131
RE02-07-2866	02-600630	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2867	02-600630	4.5–7.0	QAL	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2870	02-600630	13.0–18.0	QAL	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2871	02-600631	0.0–0.5	ALLH	07-900	07-900	—	07-900	07-900	—	—	07-900	07-900	07-900	07-900	07-900	—	—	07-900	07-900	—	—	—	07-900
RE02-07-2872	02-600631	4.5–8.5	QAL	07-900	07-900	—	07-900	07-900	—	—	07-900	07-900	07-900	07-900	07-900	—	—	07-900	07-900	—	—	07-900	07-900
RE02-07-2875	02-600631	13.5–18.5	QBO	07-900	07-900	—	07-900	07-900	—	—	07-900	07-900	07-900	07-900	07-900	—	—	07-900	07-900	—	—	07-900	07-900
RE02-07-6831	02-600631	24.0–26.5	QBO	07-1131	07-1131	—	07-1131	07-1131	—	—	07-1131	07-1131	07-1131	07-1131	07-1131	—	—	07-1131	07-1131	—	—	07-1131	07-1131
RE02-07-2876	02-600632	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2877	02-600632	4.5–9.0	QAL	07-904	07-904	—	07-904	07-904	—	—	07-904	07-904	07-904	07-904	07-904	—	—	07-904	07-904	—	—	07-904	07-904
RE02-07-2879	02-600632	16.0–20.0	QBO	07-904	07-904	—	07-904	07-904	—	—	07-904	07-904	07-904	07-904	07-904	—	—	07-904	07-904	—	—	07-904	07-904
RE02-07-2880	02-600632	26.0–29.0	QBO	07-904	07-904	—	07-904	07-904	—	—	07-904	07-904	07-904	07-904	07-904	—	—	07-904	07-904	—	—	07-904	07-904
RE02-07-2881	02-600633	0.0–0.5	ALLH	07-420	07-419	—	07-420	07-420	—	—	07-420	07-420	07-419	07-418	07-419	—	—	07-420	07-418	—	—	—	07-419
RE02-07-2882	02-600633	4.5–6.8	QAL	07-577	07-576	—	07-577	07-577	—	—	07-577	07-577	07-576	07-575	07-576	—	—	07-577	07-575	—	—	07-575	07-576
RE02-07-2885	02-600633	10.5–13.2	QAL	07-577	07-576	—	07-577	07-577	—	—	07-577	07-577	07-576	07-575	07-576	—	—	07-577	07-575	—	—	07-575	07-576
RE02-07-2884	02-600633	15.0–17.9	QBO	07-577	07-576	—	07-577	07-577	—	—	07-577	07-577	07-576	07-575	07-576	—	—	07-577	07-575	—	—	07-575	07-576
RE02-07-2883	02-600633	19.5–24.5	QBO	07-577	07-576	—	07-577	07-577	—	—	07-577	07-577	07-576	07-575	07-576	—	—	07-577	07-575	—	—	07-575	07-576
RE02-07-2886	02-600634	0.0–0.5	ALLH	07-905	07-905	—	07-905	07-905	—	—	07-905	07-905	07-905	07-905	07-905	—	—	07-905	07-905	—	—	—	07-905
RE02-07-2887	02-600634	4.5–9.0	QAL	07-905	07-905	—	07-905	07-905	—	—	07-905	07-905	07-905	07-905	07-905	—	—	07-905	07-905	—	—	07-905	07-905
RE02-07-2889	02-600634	14.0–19.0	QBO	07-905	07-905	—	07-905	07-905	—	—	07-905	07-905	07-905	07-905	07-905	—	—	07-905	07-905	—	—	07-905	07-905
RE02-07-6832	02-600634	19.5–22.0	QBO	07-1139	07-1139	—	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	07-1137	07-1139	—	—	07-1139	07-1137	—	—	07-1137	07-1139
RE02-07-2891	02-600635	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2892	02-600635	4.5–9.0	QAL	07-917	07-917	—	07-917	07-917	—	—	07-917	07-917	07-917	07-917	07-917	—	—	07-917	07-917	—	—	07-917	07-917
RE02-07-2894	02-600635	14.0–20.0	QBO	07-917	07-917	—	07-917	07-917	—	—	07-917	07-917	07-917	07-917	07-917	—	—	07-917	07-917	—	—	07-917	07-917
RE02-07-2896	02-600636	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2897	02-600636	4.5–9.5	QAL	07-1025	07-1025	—	07-1025	07-1025	—	—	07-1025	07-1025	07-1025	07-1025	07-1025	—	—	07-1025	07-1025	—	—	07-1025	07-1025

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2899	02-600636	15.0–19.5	QBO	07-1025	07-1025	—	07-1025	07-1025	—	—	07-1025	07-1025	07-1025	07-1025	07-1025	—	—	07-1025	07-1025	—	—	07-1025	07-1025
RE02-07-6833	02-600636	19.5–24.0	QBO	07-1139	07-1139	—	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	07-1137	07-1139	—	—	07-1139	07-1137	—	—	07-1137	07-1139
RE02-07-2901	02-600637	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2902	02-600637	4.5–7.5	QAL	07-619	07-618	—	07-619	07-619	—	—	07-619	07-619	07-618	07-617	07-618	—	—	07-619	07-617	—	—	07-617	07-618
RE02-07-2905	02-600637	13.0–18.0	QAL	07-619	07-618	—	07-619	07-619	—	—	07-619	07-619	07-618	07-617	07-618	—	—	07-619	07-617	—	—	07-617	07-618
RE02-07-2904	02-600637	18.3–21.0	QBO	07-619	07-618	—	07-619	07-619	—	—	07-619	07-619	07-618	07-617	07-618	—	—	07-619	07-617	—	—	07-617	07-618
RE02-07-2906	02-600638	0.0–0.5	ALLH	07-537	07-536	—	07-537	07-537	—	—	07-537	07-537	07-536	07-535	07-536	—	—	07-537	07-535	—	—	—	07-536
RE02-07-2907	02-600638	4.5–9.5	QAL	07-987	07-987	—	07-987	07-987	—	—	07-987	07-987	07-987	07-987	07-987	—	—	07-987	07-987	—	—	07-987	07-987
RE02-07-2910	02-600638	9.5–15.0	QAL	07-987	07-987	—	07-987	07-987	—	—	07-987	07-987	07-987	07-987	07-987	—	—	07-987	07-987	—	—	07-987	07-987
RE02-07-2909	02-600638	18.0–20.0	QBO	07-993	07-993	—	07-993	07-993	—	—	07-993	07-993	07-993	07-993	07-993	—	—	07-993	07-993	—	—	07-993	07-993
RE02-07-2908	02-600638	29.0–32.0	QBO	07-1123	07-1123	—	07-1123	07-1123	—	—	07-1123	07-1123	07-1123	07-1123	07-1123	—	—	07-1123	07-1123	—	—	07-1123	07-1123
RE02-07-2911	02-600639	0.75–2.9	ALLH	07-866	07-866	—	07-866	07-866	—	—	07-866	07-866	07-866	07-866	07-866	—	—	07-866	07-866	—	—	—	07-866
RE02-07-2912	02-600639	4.5–6.4	QAL	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2915	02-600639	9.5–11.9	QAL	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2914	02-600639	14.1–17.5	QBO	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2913	02-600639	19.5–20.7	QBO	07-877	07-876	—	07-877	07-877	—	—	07-877	07-877	07-876	07-875	07-876	—	—	07-877	07-875	—	—	07-875	07-876
RE02-07-2916	02-600640	0.0–0.5	ALLH	07-556	07-555	—	07-556	07-556	—	—	07-556	07-556	07-555	07-554	07-555	—	—	07-556	07-554	—	—	—	07-555
RE02-07-2921	02-600641	0.0–0.5	ALLH	07-556	07-555	—	07-556	07-556	—	—	07-556	07-556	07-555	07-554	07-555	—	—	07-556	07-554	—	—	—	07-555
AOC 02-011(a) (i)																							
0402-95-0314	02-01157	0.0–0.5	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
RE02-07-1566	02-600385	0.0–0.5	ALLH	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	—	07-542
RE02-07-1567	02-600385	2.0–3.0	QAL	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	07-541	07-542
RE02-07-1569	02-600386	0.0–0.5	ALLH	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	—	07-542
RE02-07-1570	02-600386	2.0–2.5	QAL	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	07-541	07-542
RE02-07-1571	02-600386	4.5–5.3	QAL	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	07-541	07-542
RE02-07-1572	02-600387	0.0–0.5	ALLH	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	—	07-542
RE02-07-1573	02-600387	2.0–2.6	QAL	07-543	07-542	07-530	07-543	07-543	—	—	07-543	07-543	07-542	07-541	07-542	—	—	07-543	07-541	—	—	07-541	07-542
AOC 02-011(a)(ii)									—														
RE02-07-1876	02-600449	0.0–0.5	ALLH	07-532	07-532	07-526	07-532	07-532	—	—	07-532	07-532	07-532	07-532	07-532	—	—	07-532	07-532	—	—	—	07-532
RE02-07-1877	02-600449	2.0–4.5	QAL	07-956	07-956	07-955	07-956	07-956	—	—	07-956	07-956	07-956	07-956	07-956	—	—	07-956	07-956	—	—	07-956	07-956
RE02-07-1878	02-600449	4.5–9.5	QAL	07-956	07-956	07-955	07-956	07-956	—	—	07-956	07-956	07-956	07-956	07-956	—	—	07-956	07-956	—	—	07-956	07-956
AOC 02-011(a)(iii)									—														
0402-95-0315	02-01158	0.0–0.5	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
RE02-07-1628	02-600406	0.0–0.5	ALLH	07-553	07-552	07-603	07-553	07-553	—	—	07-553	07-553	07-552	07-551	07-552	—	—	07-553	07-551	—	07-551	—	07-552
RE02-07-1629	02-600406	4.5–13.0	QAL	07-924	07-923	07-922	07-924	07-924	—	—	07-924	07-924	07-923	07-921	07-923	—	—	07-924	07-921	—	07-921	07-921	07-923
RE02-07-1630	02-600406	15.0–19.5	QBO	07-924	07-923	07-922	07-924	07-924	—	—	07-924	07-924	07-923	07-921	07-923	—	—	07-924	07-921	—	07-921	07-921	07-923
RE02-07-1632	02-600407	0.0–0.5	ALLH	07-553	07-552	07-603	07-553	07-553	—	—	07-553	07-553	07-552	07-551	07-552	—	—	07-553	07-551	—	07-551	—	07-552

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1633	02-600407	4.5–10.0	QAL	07-924	07-923	07-922	07-924	07-924	—	—	07-924	07-924	07-923	07-921	07-923	—	—	07-924	07-921	—	07-921	07-921	07-923
RE02-07-1634	02-600407	10.0–15.0	QBO	07-924	07-923	07-922	07-924	07-924	—	—	07-924	07-924	07-923	07-921	07-923	—	—	07-924	07-921	—	07-921	07-921	07-923
RE02-07-1636	02-600408	0.0–0.5	ALLH	07-553	07-552	07-603	07-553	07-553	—	—	07-553	07-553	07-552	07-551	07-552	—	—	07-553	07-551	—	07-551	—	07-552
AOC 02-011(a)(iv)									**—**														
0402-95-0316	02-01159	0.0–0.5	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
RE02-07-2508	02-600563	0.0–0.5	ALLH	07-566	07-566	07-598	07-566	07-566	—	—	07-566	07-566	07-566	07-566	07-566	—	—	07-566	07-566	—	—	—	07-566
RE02-07-2509	02-600563	4.5–10.0	QAL	07-884	07-884	07-883	07-884	07-884	—	—	07-884	07-884	07-884	07-884	07-884	—	—	07-884	07-884	—	—	07-884	07-884
RE02-07-2511	02-600563	10.0–15.0	QAL	07-884	07-884	07-883	07-884	07-884	—	—	07-884	07-884	07-884	07-884	07-884	—	—	07-884	07-884	—	—	07-884	07-884
RE02-07-2510	02-600563	15.0–22.5	QBO	07-884	07-884	07-883	07-884	07-884	—	—	07-884	07-884	07-884	07-884	07-884	—	—	07-884	07-884	—	—	07-884	07-884
AOC 02-011(a)(v)									**—**														
RE02-07-1882	02-600450	0.0–0.5	ALLH	07-538	07-538	07-528	07-538	07-538	—	—	07-538	07-538	07-538	07-538	07-538	—	—	07-538	07-538	—	—	—	07-538
RE02-07-1883	02-600450	4.5–10.0	QAL	07-901	07-901	07-913	07-901	07-901	—	—	07-901	07-901	07-901	07-901	07-901	—	—	07-901	07-901	—	—	07-901	07-901
RE02-07-1886	02-600451	0.0–0.5	ALLH	07-538	07-538	—	07-538	07-538	—	—	07-538	07-538	07-538	07-538	07-538	—	—	07-538	07-538	—	—	—	07-538
RE02-07-1887	02-600451	4.5–10.0	QAL	07-896	07-896	07-912	07-896	07-896	—	—	07-896	07-896	07-896	07-896	07-896	—	—	07-896	07-896	—	—	07-896	07-896
RE02-07-1889	02-600451	12.5–15.0	QBO	07-896	07-896	07-912	07-896	07-896	—	—	07-896	07-896	07-896	07-896	07-896	—	—	07-896	07-896	—	—	07-896	07-896
RE02-07-1888	02-600451	17.0–22.0	QBO	07-896	07-896	07-912	07-896	07-896	—	—	07-896	07-896	07-896	07-896	07-896	—	—	07-896	07-896	—	—	07-896	07-896
AOC 02-011(a)(vi)									**—**														
0402-95-0309	02-01149	0.0–1.0	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
RE02-07-2357	02-600532	0.0–0.5	ALLH	07-567	07-567	07-599	07-567	07-567	—	—	07-567	07-567	07-567	07-567	07-567	—	—	07-567	07-567	—	—	—	07-567
RE02-07-2359	02-600532	4.5–9.5	QAL	07-882	07-881	07-879	07-882	07-882	—	—	07-882	07-882	07-881	07-880	07-881	—	—	07-882	07-880	—	—	07-880	07-881
RE02-07-2361	02-600532	9.5–12.5	QAL	07-882	07-881	07-879	07-882	07-882	—	—	07-882	07-882	07-881	07-880	07-881	—	—	07-882	07-880	—	—	07-880	07-881
RE02-07-2362	02-600533	0.0–0.5	ALLH	07-567	07-567	07-599	07-567	07-567	—	—	07-567	07-567	07-567	07-567	07-567	—	—	07-567	07-567	—	—	—	07-567
RE02-07-2363	02-600533	4.5–10.0	QAL	07-882	07-881	07-879	07-882	07-882	—	—	07-882	07-882	07-881	07-880	07-881	—	—	07-882	07-880	—	—	07-880	07-881
RE02-07-2365	02-600533	10.0–15.0	QAL	07-882	07-881	07-879	07-882	07-882	—	—	07-882	07-882	07-881	07-880	07-881	—	—	07-882	07-880	—	—	07-880	07-881
RE02-07-2364	02-600533	15.0–20.0	QBO	07-882	07-881	07-879	07-882	07-882	—	—	07-882	07-882	07-881	07-880	07-881	—	—	07-882	07-880	—	—	07-880	07-881
RE02-07-6828	02-600534	0.0–0.5	ALLH	07-1151	07-1151	07-1150	07-1151	07-1151	—	—	07-1151	07-1151	07-1151	07-1151	07-1151	—	—	07-1151	07-1151	—	—	—	07-1151
RE02-07-2368	02-600534	4.5–14.5	QAL	07-868	07-868	07-867	07-868	07-868	—	—	07-868	07-868	07-868	07-868	07-868	—	—	07-868	07-868	—	—	07-868	07-868
RE02-07-2369	02-600534	14.5–20.0	QBO	07-868	07-868	07-867	07-868	07-868	—	—	07-868	07-868	07-868	07-868	07-868	—	—	07-868	07-868	—	—	07-868	07-868
AOC 02-011(a)(viii)									**—**														
CA02-00-0192	02-01152	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
0402-95-0313	02-01152	0.0–1.0	SED	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51825	02-22351	5.5–6.0	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51826	02-22352	3.0–3.5	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	1822S	1822S	—	1821S	1822S	1822S	1821S	—	—	—	—	1822S	—	1822S	—	—	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	07-394	07-393	07-392	07-394	07-394	—	07-393	07-394	07-394	07-393	07-391	07-393	—	—	07-394	07-391	—	—	—	07-393
RE02-07-2420	02-600542	4.5–6.7	QAL	07-452	07-451	07-449	07-452	07-452	—	07-451	07-452	07-452	07-451	07-450	07-451	—	—	07-452	07-450	—	—	07-450	07-451
RE02-07-2422	02-600542	10.0–12.2	QAL	07-452	07-451	07-449	07-452	07-452	—	07-451	07-452	07-452	07-451	07-450	07-451	—	—	07-452	07-450	—	—	07-450	07-451
RE02-07-2421	02-600542	15.0–17.4	QBO	07-452	07-451	07-449	07-452	07-452	—	07-451	07-452	07-452	07-451	07-450	07-451	—	—	07-452	07-450	—	—	07-450	07-451
RE02-07-2423	02-600543	0.0–5.0	ALLH	07-916	07-916	07-915	07-916	07-916	—	07-916	07-916	07-916	07-916	07-916	07-916	—	—	07-916	07-916	—	—	—	07-916
RE02-07-2425	02-600543	9.5–11.0	QAL	07-958	07-958	07-957	07-958	07-958	—	07-958	07-958	07-958	07-958	07-958	07-958	—	—	07-958	07-958	—	—	07-958	07-958
RE02-07-2426	02-600543	19.5–22.0	QBO	07-958	07-958	07-957	07-958	07-958	—	07-958	07-958	07-958	07-958	07-958	07-958	—	—	07-958	07-958	—	—	07-958	07-958
AOC 02-011(a)(ix)									**—**														
CA02-00-0320	02-01150	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
0402-95-0310	02-01150	0.0–1.0	SED	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51857	02-22367	5.0–5.5	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-07-1763	02-600431	0.0–0.5	ALLH	07-423	07-422	—	07-423	07-423	—	07-422	07-423	07-423	07-422	07-421	07-422	—	—	07-423	07-421	—	—	—	07-422
RE02-07-1764	02-600431	7.5–12.0	QAL	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	—	07-563	07-564
RE02-07-1765	02-600431	15.0–21.0	QBO	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	—	07-563	07-564
RE02-07-1768	02-600432	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	07-586	—	07-587
RE02-07-1769	02-600432	7.5–14.0	QAL	07-831	07-830	—	07-831	07-831	—	07-830	07-831	07-831	07-830	07-829	07-830	—	—	07-831	07-829	—	07-829	07-829	07-830
RE02-07-1770	02-600432	14.0–19.0	QBO	07-831	07-830	—	07-831	07-831	—	07-830	07-831	07-831	07-830	07-829	07-830	—	—	07-831	07-829	—	07-829	07-829	07-830
RE02-07-6823	02-600432	24.5–29.0	QBO	07-1131	07-1131	—	07-1131	07-1131	—	07-1131	07-1131	07-1131	07-1131	07-1131	07-1131	—	—	07-1131	07-1131	—	07-1131	07-1131	07-1131
RE02-07-1773	02-600433	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1775	02-600433	14.0–19.0	QBO	07-831	07-830	—	07-831	07-831	—	07-830	07-831	07-831	07-830	07-829	07-830	—	—	07-831	07-829	—	—	07-829	07-830
RE02-07-1778	02-600434	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1781	02-600434	7.5–16.0	QAL	07-828	07-827	—	07-828	07-828	—	07-827	07-828	07-828	07-827	07-826	07-827	—	—	07-828	07-826	—	—	07-826	07-827
RE02-07-1780	02-600434	16.0–19.0	QBO	07-828	07-827	—	07-828	07-828	—	07-827	07-828	07-828	07-827	07-826	07-827	—	—	07-828	07-826	—	—	07-826	07-827
RE02-07-1783	02-600435	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1784	02-600435	7.5–14.5	QAL	07-828	07-827	—	07-828	07-828	—	07-827	07-828	07-828	07-827	07-826	07-827	—	—	07-828	07-826	—	—	07-826	07-827
RE02-07-1785	02-600435	14.5–19.0	QBO	07-828	07-827	—	07-828	07-828	—	07-827	07-828	07-828	07-827	07-826	07-827	—	—	07-828	07-826	—	—	07-826	07-827
RE02-07-1788	02-600436	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1789	02-600436	7.5–13.5	QAL	07-819	07-818	—	07-819	07-819	—	07-818	07-819	07-819	07-818	07-817	07-818	—	—	07-819	07-817	—	—	07-817	07-818
RE02-07-1790	02-600436	13.5–18.5	QBO	07-819	07-818	—	07-819	07-819	—	07-818	07-819	07-819	07-818	07-817	07-818	—	—	07-819	07-817	—	—	07-817	07-818

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1793	02-600437	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1794	02-600437	7.5–8.8	QAL	07-806	07-805	—	07-806	07-806	—	07-805	07-806	07-806	07-805	07-804	07-805	—	—	07-806	07-804	—	—	07-804	07-805
RE02-07-1798	02-600438	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1799	02-600438	7.5–11.0	QAL	07-806	07-805	—	07-806	07-806	—	07-805	07-806	07-806	07-805	07-804	07-805	—	—	07-806	07-804	—	—	07-804	07-805
RE02-07-1800	02-600438	14.0–16.2	QBO	07-806	07-805	—	07-806	07-806	—	07-805	07-806	07-806	07-805	07-804	07-805	—	—	07-806	07-804	—	—	07-804	07-805
RE02-07-1803	02-600439	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1804	02-600439	7.5–14.0	QAL	07-819	07-818	—	07-819	07-819	—	07-818	07-819	07-819	07-818	07-817	07-818	—	—	07-819	07-817	—	—	07-817	07-818
RE02-07-1805	02-600439	14.0–18.5	QBO	07-819	07-818	—	07-819	07-819	—	07-818	07-819	07-819	07-818	07-817	07-818	—	—	07-819	07-817	—	—	07-817	07-818
RE02-07-1808	02-600440	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1809	02-600440	7.5–14.0	QAL	07-831	07-830	—	07-831	07-831	—	07-830	07-831	07-831	07-830	07-829	07-830	—	—	07-831	07-829	—	—	07-829	07-830
RE02-07-1810	02-600440	14.0–19.0	QBO	07-831	07-830	—	07-831	07-831	—	07-830	07-831	07-831	07-830	07-829	07-830	—	—	07-831	07-829	—	—	07-829	07-830
RE02-07-1813	02-600441	0.0–0.5	ALLH	07-423	07-422	—	07-423	07-423	—	07-422	07-423	07-423	07-422	07-421	07-422	—	—	07-423	07-421	—	07-421	—	07-422
RE02-07-1814	02-600441	7.5–8.0	QAL	07-546	07-545	—	07-546	07-546	—	07-545	07-546	07-546	07-545	07-544	07-545	—	—	07-546	07-544	—	07-544	07-544	07-545
RE02-07-1816	02-600441	10.0–15.0	QAL	07-546	07-545	—	07-546	07-546	—	07-545	07-546	07-546	07-545	07-544	07-545	—	—	07-546	07-544	—	07-544	07-544	07-545
RE02-07-1815	02-600441	15.0–22.0	QBO	07-546	07-545	—	07-546	07-546	—	07-545	07-546	07-546	07-545	07-544	07-545	—	—	07-546	07-544	—	07-544	07-544	07-545
RE02-07-1818	02-600442	0.0–0.5	ALLH	07-968	07-968	—	07-968	07-968	—	07-968	07-968	07-968	07-968	07-968	07-968	—	—	07-968	07-968	—	—	—	07-968
RE02-07-1821	02-600442	8.0–12.0	QAL	07-968	07-968	—	07-968	07-968	—	07-968	07-968	07-968	07-968	07-968	07-968	—	—	07-968	07-968	—	—	07-968	07-968
RE02-07-1820	02-600442	15.0–20.0	QBO	07-968	07-968	—	07-968	07-968	—	07-968	07-968	07-968	07-968	07-968	07-968	—	—	07-968	07-968	—	—	07-968	07-968
RE02-07-1822	02-600443	0.0–0.5	ALLH	07-423	07-422	—	07-423	07-423	—	07-422	07-423	07-423	07-422	07-421	07-422	—	—	07-423	07-421	—	07-421	—	07-422
RE02-07-1823	02-600443	2.0–4.0	QAL	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	07-563	07-563	07-564
RE02-07-1824	02-600443	4.0–8.0	QAL	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	07-563	07-563	07-564
RE02-07-1826	02-600443	10.0–12.5	QBO	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	07-563	07-563	07-564
RE02-07-1825	02-600443	15.0–17.5	QBO	07-565	07-564	—	07-565	07-565	—	07-564	07-565	07-565	07-564	07-563	07-564	—	—	07-565	07-563	—	07-563	07-563	07-564
RE02-07-1828	02-600444	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1829	02-600444	7.5–8.5	QAL	07-857	07-857	—	07-857	07-857	—	07-857	07-857	07-857	07-857	07-857	07-857	—	—	07-857	07-857	—	—	07-857	07-857
RE02-07-1830	02-600444	13.5–20.5	QBO	07-857	07-857	—	07-857	07-857	—	07-857	07-857	07-857	07-857	07-857	07-857	—	—	07-857	07-857	—	—	07-857	07-857
RE02-07-1833	02-600445	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1834	02-600445	7.5–10.5	QAL	07-857	07-857	—	07-857	07-857	—	07-857	07-857	07-857	07-857	07-857	07-857	—	—	07-857	07-857	—	—	07-857	07-857
RE02-07-1835	02-600445	13.0–18.5	QBO	07-857	07-857	—	07-857	07-857	—	07-857	07-857	07-857	07-857	07-857	07-857	—	—	07-857	07-857	—	—	07-857	07-857
RE02-07-1836	02-600445	26.0–28.5	QBO	07-862	07-862	—	07-862	07-862	—	07-862	07-862	07-862	07-862	07-862	07-862	—	—	07-862	07-862	—	—	07-862	07-862
RE02-07-1838	02-600446	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1839	02-600446	7.5–12.0	QAL	07-862	07-862	—	07-862	07-862	—	07-862	07-862	07-862	07-862	07-862	07-862	—	—	07-862	07-862	—	—	07-862	07-862
RE02-07-1840	02-600446	13.0–18.0	QBO	07-871	07-871	—	07-871	07-871	—	07-871	07-871	07-871	07-871	07-871	07-871	—	—	07-871	07-871	—	—	07-871	07-871
RE02-07-1843	02-600447	0.0–0.5	ALLH	07-588	07-587	—	07-588	07-588	—	07-587	07-588	07-588	07-587	07-586	07-587	—	—	07-588	07-586	—	—	—	07-587
RE02-07-1844	02-600447	8.5–13.5	QAL	07-871	07-871	—	07-871	07-871	—	07-871	07-871	07-871	07-871	07-871	07-871	—	—	07-871	07-871	—	—	07-871	07-871
RE02-07-1845	02-600447	14.5–18.5	QBO	07-871	07-871	—	07-871	07-871	—	07-871	07-871	07-871	07-871	07-871	07-871	—	—	07-871	07-871	—	—	07-871	07-871

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-1848	02-600448	0.0–0.5	ALLH	07-574	07-573	—	07-574	07-574	—	07-573	07-574	07-574	07-573	07-572	07-573	—	—	07-574	07-572	—	—	—	07-573
RE02-07-1849	02-600448	7.5–14.0	QAL	07-819	07-818	—	07-819	07-819	—	07-818	07-819	07-819	07-818	07-817	07-818	—	—	07-819	07-817	—	—	07-817	07-818
AOC 02-011(a)(x)									—														
CA02-00-0193	02-01153	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
0402-95-0318	02-01153	0.0–1.0	SED	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
0402-95-0303	02-01162	0.5–0.8333	QBT2	—	—	—	—	—	—	—	—	—	—	1851	—	1851, 21804	—	—	1851, 21804	—	1851	1851, 21804	—
0402-95-0305	02-01162	2.5–3.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	1851	—	1851, 21804	—	1851	1851, 21804	—
0402-95-0304	02-01162	8.0–9.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	1851	—	1851, 21804	—	1851	1851, 21804	—
0402-95-0306	02-01162	12.5–13.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	1851	—	1851, 21804	—	1851	1851, 21804	—
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	1820S	1820S	—	1819S	1820S	1820S	1819S	—	—	—	—	1820S	—	1820S	—	—	—
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-03-51883	02-22380	4.0–4.5	ALLH	—	—	—	1814S	1814S	—	1813S	1814S	1814S	1813S	—	—	—	—	1814S	—	1814S	—	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	07-762	07-761	—	07-762	07-762	—	07-761	07-762	07-762	07-761	07-760	07-761	—	—	07-762	07-760	—	—	—	07-761
RE02-07-3063	02-600660	4.5–8.5	QAL	07-885	07-885	—	07-885	07-885	—	07-885	07-885	07-885	07-885	07-885	07-885	—	—	07-885	07-885	—	—	07-885	07-885
RE02-07-3067	02-600661	0.0–0.5	ALLH	07-762	07-761	—	07-762	07-762	—	07-761	07-762	07-762	07-761	07-760	07-761	—	—	07-762	07-760	—	—	—	07-761
RE02-07-3068	02-600661	4.5–9.5	QAL	07-969	07-969	—	07-969	07-969	—	07-969	07-969	07-969	07-969	07-969	07-969	—	—	07-969	07-969	—	—	07-969	07-969
RE02-07-3071	02-600661	11.0–14.5	QAL	07-969	07-969	—	07-969	07-969	—	07-969	07-969	07-969	07-969	07-969	07-969	—	—	07-969	07-969	—	—	07-969	07-969
RE02-07-3070	02-600661	14.5–19.5	QBO	07-969	07-969	—	07-969	07-969	—	07-969	07-969	07-969	07-969	07-969	07-969	—	—	07-969	07-969	—	—	07-969	07-969
RE02-07-3069	02-600661	25.0–30.0	QBO	07-978	07-978	—	07-978	07-978	—	07-978	07-978	07-978	07-978	07-978	07-978	—	—	07-978	07-978	—	—	07-978	07-978
RE02-07-3072	02-600662	0.0–0.5	ALLH	07-781	07-781	—	07-781	07-781	—	07-781	07-781	07-781	07-781	07-781	07-781	—	—	07-781	07-781	—	—	—	07-781
RE02-07-3073	02-600662	4.5–10.0	QAL	07-919	07-919	—	07-919	07-919	—	07-919	07-919	07-919	07-919	07-919	07-919	—	—	07-919	07-919	—	—	07-919	07-919
RE02-07-3075	02-600662	15.0–20.0	QBO	07-919	07-919	—	07-919	07-919	—	07-919	07-919	07-919	07-919	07-919	07-919	—	—	07-919	07-919	—	—	07-919	07-919
RE02-07-3077	02-600663	0.0–0.5	ALLH	07-781	07-781	—	07-781	07-781	—	07-781	07-781	07-781	07-781	07-781	07-781	—	—	07-781	07-781	—	—	—	07-781
RE02-07-3078	02-600663	4.5–10.0	QAL	07-1010	07-1010	—	07-1010	07-1010	—	07-1010	07-1010	07-1010	07-1010	07-1010	07-1010	—	—	07-1010	07-1010	—	—	07-1010	07-1010
RE02-07-3080	02-600663	14.0–16.0	QBO	07-1010	07-1010	—	07-1010	07-1010	—	07-1010	07-1010	07-1010	07-1010	07-1010	07-1010	—	—	07-1010	07-1010	—	—	07-1010	07-1010
RE02-07-3082	02-600664	0.0–0.5	ALLH	07-762	07-761	—	07-762	07-762	—	07-761	07-762	07-762	07-761	07-760	07-761	—	—	07-762	07-760	—	—	—	07-761
RE02-07-3083	02-600664	4.5–7.0	QAL	07-940	07-940	—	07-940	07-940	—	07-940	07-940	07-940	07-940	07-940	07-940	—	—	07-940	07-940	—	—	07-940	07-940
RE02-07-3085	02-600664	9.5–14.5	QBO	07-940	07-940	—	07-940	07-940	—	07-940	07-940	07-940	07-940	07-940	07-940	—	—	07-940	07-940	—	—	07-940	07-940
RE02-07-6834	02-600664	19.5–24.5	QBO	07-1139	07-1139	—	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	07-1137	07-1139	—	—	07-1139	07-1137	—	—	07-1137	07-1139

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-3087	02-600665	0.0–0.5	ALLH	07-762	07-761	—	07-762	07-762	—	07-761	07-762	07-762	07-761	07-760	07-761	—	—	07-762	07-760	—	07-760	—	07-761
RE02-07-3088	02-600665	4.5–7.5	QAL	07-870	07-870	—	07-870	07-870	—	07-870	07-870	07-870	07-870	07-870	07-870	—	—	07-870	07-870	—	07-870	07-870	07-870
RE02-07-3090	02-600665	13.5–18.5	QBO	07-870	07-870	—	07-870	07-870	—	07-870	07-870	07-870	07-870	07-870	07-870	—	—	07-870	07-870	—	07-870	07-870	07-870
RE02-07-6835	02-600665	19.5–23.5	QBO	07-1131	07-1131	—	07-1131	07-1131	—	—	07-1131	07-1131	07-1131	07-1131	07-1131	—	—	07-1131	07-1131	—	07-1131	07-1131	07-1131
RE02-07-3092	02-600666	0.0–0.5	ALLH	07-762	07-761	—	07-762	07-762	—	07-761	07-762	07-762	07-761	07-760	07-761	—	—	07-762	07-760	—	—	—	07-761
AOC 02-011(b)																							
0402-95-0282	02-01107	0.0–1.0	ALLH	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	—	—	—	—	—
0402-95-0283	02-01110	0.0–1.0	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	—	—	—	—	—
0402-95-0284	02-01110	4.0–5.0	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	—	—	—	—	—
0402-95-0395	02-01110	4.0–5.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	662	—	—	—
0402-95-0285	02-01110	7.5–8.5	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	—	—	—	—	—
0402-95-0286	02-01110	11.0–12.0	QBT2	—	—	—	46	46	—	—	46	46	—	—	—	—	—	46	—	—	—	—	—
CA02-00-0308	02-01239	0.0–1.0	SED	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0309	02-01239	3.0–4.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0310	02-01239	6.0–7.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0311	02-01239	11.5–13.0	ALLH	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
CA02-00-0312	02-01239	14.0–15.0	QBT3	—	—	—	7460R	7460R	—	—	7460R	7460R	7458R, 7459R	—	—	—	—	7460R	—	—	—	—	—
RE02-07-892	02-600211	0.0–0.5	SED	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	—	07-676
RE02-07-897	02-600212	0.0–0.5	SED	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	—	07-676
RE02-07-902	02-600213	0.0–0.5	SED	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	—	07-676
RE02-07-907	02-600214	0.0–0.5	SED	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	—	07-676
RE02-07-912	02-600215	0.0–0.5	ALLH	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	—	07-676
RE02-07-913	02-600215	2.0–2.4	QAL	07-677	07-676	—	07-677	07-677	—	07-676	07-677	07-677	07-676	07-675	07-676	—	—	07-677	07-675	—	—	07-675	07-676
RE02-07-914	02-600215	4.5–6.7	QAL	07-861	07-861	—	07-861	07-861	—	07-861	07-861	07-861	07-861	07-861	07-861	—	—	07-861	07-861	—	—	07-861	07-861
RE02-07-916	02-600215	9.5–11.4	QAL	07-861	07-861	—	07-861	07-861	—	07-861	07-861	07-861	07-861	07-861	07-861	—	—	07-861	07-861	—	—	07-861	07-861
RE02-07-915	02-600215	14.5–16.7	QBO	07-861	07-861	—	07-861	07-861	—	07-861	07-861	07-861	07-861	07-861	07-861	—	—	07-861	07-861	—	—	07-861	07-861
AOC 02-011(c)																							
RE02-07-2563	02-600573	0.0–0.5	ALLH	07-581	07-581	07-601	07-581	07-581	—	—	07-581	07-581	07-581	07-581	07-581	—	—	07-581	07-581	—	—	—	07-581
RE02-07-2564	02-600573	4.5–9.0	QAL	07-787	07-787	07-786	07-787	07-787	—	—	07-787	07-787	07-787	07-787	07-787	—	—	07-787	07-787	—	—	07-787	07-787
RE02-07-2565	02-600573	9.0–16.0	QAL	07-787	07-787	07-786	07-787	07-787	—	—	07-787	07-787	07-787	07-787	07-787	—	—	07-787	07-787	—	—	07-787	07-787
RE02-07-2566	02-600573	16.0–19.5	QBO	07-787	07-787	07-786	07-787	07-787	—	—	07-787	07-787	07-787	07-787	07-787	—	—	07-787	07-787	—	—	07-787	07-787
AOC 02-011(d)																							
0402-95-0311	02-01151	0.0–1.0	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
0402-95-0320	02-01155	0.0–0.5	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
0402-95-0321	02-01155	1.0–2.0	ALLH	—	—	—	115	115	—	—	115	115	—	—	—	—	—	115	—	—	—	—	—
CA02-00-0319	02-01247	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—
CA02-00-0324	02-01248	0.0–0.5	SED	—	—	—	7531R	7531R	—	—	7531R	7531R	7529R, 7530R	—	—	—	—	7531R	—	—	—	—	—

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2571	02-600574	0.0–0.5	ALLH	07-582	07-582	—	07-582	07-582	—	07-582	07-582	07-582	07-582	07-582	07-582	—	—	07-582	07-582	—	—	—	07-582
RE02-07-2572	02-600574	2.0–2.5	QAL	07-1026	07-1026	—	07-1026	07-1026	—	07-1026	07-1026	07-1026	07-1026	07-1026	07-1026	—	—	07-1026	07-1026	—	—	07-1026	07-1026
AOC 02-012																							
CA02-00-0339	02-01257	3.0–3.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
CA02-00-0340	02-01257	5.0–5.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
CA02-00-0341	02-01258	3.0–3.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
CA02-00-0342	02-01258	5.0–5.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
CA02-00-0337	02-01265	3.0–3.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
CA02-00-0338	02-01265	5.0–5.5	FILL	—	—	—	—	—	—	—	—	—	7603R	—	—	—	—	—	—	—	—	—	7604R
RE02-07-1727	02-600418	0.0–0.5	ALLH	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	—	07-952
RE02-07-1728	02-600418	4.5–9.0	QAL	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-1729	02-600418	14.0–19.0	QBO	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-1732	02-600419	0.0–0.5	ALLH	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	—	07-952
RE02-07-1733	02-600419	4.5–9.0	QAL	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-1735	02-600419	9.0–16.0	QBO	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-1737	02-600420	0.0–0.5	ALLH	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	—	07-952
RE02-07-1738	02-600420	4.5–9.0	QAL	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-1740	02-600420	9.0–14.0	QBO	07-953	07-952	—	07-953	07-953	—	—	07-953	07-953	07-952	—	07-952	—	—	07-953	07-951	—	07-951	07-951	07-952
RE02-07-6821	02-600420	14.5–19.0	QBO	07-1139	07-1139	—	07-1139	07-1139	—	—	07-1139	07-1139	07-1137	—	07-1139	—	—	07-1139	07-1137	—	07-1137	07-1137	07-1139
RE02-07-1893	02-600452	0.0–0.5	ALLH	07-783	07-783	—	07-783	07-783	—	—	07-783	—	07-783	—	07-783	—	—	07-783	07-783	—	07-783	—	07-783
RE02-07-1894	02-600452	4.5–10.0	QAL	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1897	02-600452	10.0–15.0	QAL	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1896	02-600452	15.0–20.0	QBO	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1898	02-600453	0.0–0.5	ALLH	07-783	07-783	—	07-783	07-783	—	—	07-783	—	07-783	—	07-783	—	—	07-783	07-783	—	07-783	—	07-783
RE02-07-1899	02-600453	4.5–10.0	QAL	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1901	02-600453	10.0–20.0	QBO	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1903	02-600454	0.0–0.5	ALLH	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	—	07-946
RE02-07-1904	02-600454	4.5–9.5	QAL	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1906	02-600454	9.5–16.0	QBO	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1908	02-600455	0.0–0.5	ALLH	07-783	07-783	—	07-783	07-783	—	—	07-783	—	07-783	—	07-783	—	—	07-783	07-783	—	07-783	—	07-783
RE02-07-1909	02-600455	4.5–10.0	QAL	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-1911	02-600455	10.0–17.0	QBO	07-947	07-946	—	07-947	07-947	—	—	07-947	—	07-946	—	07-946	—	—	07-947	07-945	—	07-945	07-945	07-946
RE02-07-2075	02-600485	0.0–0.5	ALLH	07-777	07-777	—	07-777	07-777	—	—	07-777	07-777	07-777	—	07-777	—	—	07-777	07-777	—	07-777	—	07-777
RE02-07-2076	02-600485	4.5–12.0	QAL	07-843	07-842	—	07-843	07-843	—	—	07-843	07-843	07-842	—	07-842	—	—	07-843	07-841	—	07-841	07-841	07-842
RE02-07-2078	02-600485	14.0–19.0	QBO	07-843	07-842	—	07-843	07-843	—	—	07-843	07-843	07-842	—	07-842	—	—	07-843	07-841	—	07-841	07-841	07-842
RE02-07-2080	02-600486	0.0–0.5	ALLH	07-777	07-777	—	07-777	07-777	—	—	07-777	07-777	07-777	—	07-777	—	—	07-777	07-777	—	07-777	—	07-777
RE02-07-2081	02-600486	4.5–9.0	QAL	07-849	07-848	—	07-849	07-849	—	—	07-849	07-849	07-848	—	07-848	—	—	07-849	07-847	—	07-847	07-847	07-848

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE02-07-2083	02-600486	16.0–21.0	QBO	07-849	07-848	—	07-849	07-849	—	—	07-849	07-849	07-848	—	07-848	—	—	07-849	07-847	—	07-847	07-847	07-848
RE02-07-2085	02-600487	0.0–0.5	ALLH	07-777	07-777	—	07-777	07-777	—	—	07-777	07-777	07-777	—	07-777	—	—	07-777	07-777	—	07-777	—	07-777
RE02-07-2086	02-600487	4.5–7.5	QAL	07-849	07-848	—	07-849	07-849	—	—	07-849	07-849	07-848	—	07-848	—	—	07-849	07-847	—	07-847	07-847	07-848
RE02-07-2088	02-600487	15.0–19.0	QBO	07-849	07-848	—	07-849	07-849	—	—	07-849	07-849	07-848	—	07-848	—	—	07-849	07-847	—	07-847	07-847	07-848
RE02-07-2090	02-600488	0.0–0.5	ALLH	07-777	07-777	—	07-777	07-777	—	—	07-777	07-777	07-777	—	07-777	—	—	07-777	07-777	—	07-777	—	07-777
RE02-07-2091	02-600488	4.5–8.0	QAL	07-843	07-842	—	07-843	07-843	—	—	07-843	07-843	07-842	—	07-842	—	—	07-843	07-841	—	07-841	07-841	07-842
RE02-07-2093	02-600488	14.5–19.0	QBO	07-843	07-842	—	07-843	07-843	—	—	07-843	07-843	07-842	—	07-842	—	—	07-843	07-841	—	07-841	07-841	07-842
Consolidated Unit 21-006(e)-99																							
RE21-07-6466	21-602919	2.0–3.0	ALLH	07-1002	07-1002	—	07-1002	07-1002	—	—	07-1002	07-1002	07-1002	—	07-1002	—	—	07-1002	07-1002	—	—	07-1002	07-1002
RE21-07-6467	21-602919	7.0–8.0	ALLH	07-1002	07-1002	—	07-1002	07-1002	—	—	07-1002	07-1002	07-1002	—	07-1002	—	—	07-1002	07-1002	—	—	07-1002	07-1002
RE21-07-6468	21-602919	12.0–13.0	QBT3	07-1002	07-1002	—	07-1002	07-1002	—	—	07-1002	07-1002	07-1002	—	07-1002	—	—	07-1002	07-1002	—	—	07-1002	07-1002
RE21-07-6884	21-602919	12.0–13.0	QBT3	—	—	08-4	—	—	07-1172	—	—	—	—	07-1172	—	—	—	—	—	—	—	—	—	—
RE21-07-6469	21-602920	2.0–3.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6470	21-602920	7.0–8.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6471	21-602920	12.0–13.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6472	21-602921	2.0–3.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6473	21-602921	7.0–8.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6474	21-602921	12.0–13.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6475	21-602922	2.0–3.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6476	21-602922	7.0–8.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6477	21-602922	12.0–13.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6478	21-602923	2.0–3.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6479	21-602923	7.0–8.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6480	21-602923	12.0–13.0	QBT3	07-1119	07-1118	—	07-1119	07-1119	—	—	07-1119	07-1119	07-1118	—	07-1118	—	—	07-1119	07-1117	—	—	07-1117	07-1118
RE21-07-6481	21-602924	2.0–3.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6482	21-602924	7.0–8.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6483	21-602924	12.0–13.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6484	21-602925	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6485	21-602925	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6486	21-602925	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6487	21-602926	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6488	21-602926	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6489	21-602926	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6490	21-602927	2.0–3.0	ALLH	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6491	21-602927	7.0–8.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6492	21-602927	12.0–13.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6493	21-602928	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE21-07-6494	21-602928	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6495	21-602928	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6496	21-602929	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6497	21-602929	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6498	21-602929	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6499	21-602930	2.0–3.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6500	21-602930	7.0–8.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6501	21-602930	12.0–13.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6502	21-602931	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6503	21-602931	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6504	21-602931	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6505	21-602932	2.0–3.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6506	21-602932	7.0–8.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6507	21-602932	12.0–13.0	QBT3	07-1129	07-1127	—	07-1129	07-1129	—	—	07-1129	07-1129	07-1127	—	07-1127	—	—	07-1129	07-1128	—	—	07-1128	07-1127
RE21-07-6508	21-602933	2.0–3.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6509	21-602933	7.0–8.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
RE21-07-6510	21-602933	12.0–13.0	QBT3	07-1122	07-1121	—	07-1122	07-1122	—	—	07-1122	07-1122	07-1121	—	07-1121	—	—	07-1122	07-1120	—	—	07-1120	07-1121
AOC 21-028(c)																							
RE21-07-5100	21-601066	2.0–3.0	ALLH	07-1001	07-1001	—	07-1001	07-1001	—	—	07-1001	07-1001	07-1001	—	07-1001	—	—	07-1001	07-1001	—	—	07-1001	07-1001
RE21-07-5101	21-601066	7.0–8.0	QBT3	07-1001	07-1001	—	07-1001	07-1001	—	—	07-1001	07-1001	07-1001	—	07-1001	—	—	07-1001	07-1001	—	—	07-1001	07-1001
RE21-07-6384	21-601066	12.0–13.0	QBT3	07-1001	07-1001	—	07-1001	07-1001	—	—	07-1001	07-1001	07-1001	—	07-1001	—	—	07-1001	07-1001	—	—	07-1001	07-1001
RE21-07-5102	21-601067	2.0–3.0	ALLH	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5103	21-601067	7.0–8.0	ALLH	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-6388	21-601067	12.0–13.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5104	21-601068	2.0–3.0	ALLH	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5105	21-601068	7.0–8.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-6377	21-601068	12.0–13.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5106	21-601069	2.0–3.0	ALLH	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5107	21-601069	7.0–8.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-6376	21-601069	12.0–13.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5108	21-601070	2.0–3.0	ALLH	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5146	21-601070	2.0–3.0	ALLH	—	—	08-5	—	—	07-1171	—	—	—	—	07-1171	—	—	—	—	—	—	—	—	—	—
RE21-07-5109	21-601070	7.0–8.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-6394	21-601070	12.0–13.0	QBT3	07-1021	07-1020	—	07-1021	07-1021	—	—	07-1021	07-1021	07-1020	—	07-1020	—	—	07-1021	07-1019	—	—	07-1019	07-1020
RE21-07-5110	21-601071	2.0–3.0	ALLH	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-5111	21-601071	7.0–8.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-6383	21-601071	12.0–13.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE21-07-5112	21-601072	2.0–3.0	ALLH	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-5113	21-601072	7.0–8.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-6378	21-601072	12.0–13.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-5114	21-601073	2.0–3.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-5115	21-601073	7.0–8.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-6393	21-601073	12.0–13.0	QBT3	07-1044	07-1043	—	07-1044	07-1044	—	—	07-1044	07-1044	07-1043	—	07-1043	—	—	07-1044	07-1042	—	—	07-1042	07-1043
RE21-07-5116	21-601074	2.0–3.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5117	21-601074	7.0–8.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-6387	21-601074	12.0–13.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5118	21-601075	2.0–3.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5119	21-601075	7.0–8.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-6390	21-601075	12.0–13.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5120	21-601076	2.0–3.0	ALLH	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5121	21-601076	7.0–8.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-6382	21-601076	12.0–13.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5122	21-601077	2.0–3.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5123	21-601077	7.0–8.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-6395	21-601077	12.0–13.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5124	21-601078	2.0–3.0	ALLH	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5125	21-601078	7.0–8.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-6389	21-601078	12.0–13.0	QBT3	07-1067	07-1066	—	07-1067	07-1067	—	—	07-1067	07-1067	07-1066	—	07-1066	—	—	07-1067	07-1065	—	—	07-1065	07-1066
RE21-07-5126	21-601079	2.0–3.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5127	21-601079	7.0–8.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-6381	21-601079	12.0–13.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5128	21-601080	2.0–3.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5129	21-601080	7.0–8.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-6391	21-601080	12.0–13.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5130	21-601081	2.0–3.0	ALLH	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5131	21-601081	7.0–8.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-6392	21-601081	12.0–13.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5132	21-601082	2.0–3.0	ALLH	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-5133	21-601082	7.0–8.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
RE21-07-6385	21-601082	12.0–13.0	QBT3	07-1095	07-1094	—	07-1095	07-1095	—	—	07-1095	07-1095	07-1094	—	07-1094	—	—	07-1095	07-1093	—	—	07-1093	07-1094
SWMU 26-001																							
RE26-07-3507	26-600773	3.1–5.0	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3508	26-600773	5.1–7.1	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3509	26-600773	7.5–9.0	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE26-07-3510	26-600774	3.1–5.1	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3511	26-600774	5.1–7.0	QBT2	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3512	26-600774	7.6–9.0	QBT2	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3513	26-600775	0.5–1.5	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3514	26-600775	2.5–3.0	QBT2	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3516	26-600776	0.6–1.1	QBT3	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3517	26-600776	2.6–3.1	QBT2	08-37	08-36	—	08-37	08-37	08-35	—	08-37	08-37	08-36	08-35	08-36	—	—	08-37	08-35	—	—	08-35	08-36
RE26-07-3522	26-600777	0.8–1.9	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3523	26-600777	2.8–3.4	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3519	26-600778	2.5–3.1	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3525	26-600779	0.5–1.4	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3526	26-600779	2.5–2.9	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3528	26-600780	0.7–1.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3529	26-600780	3.2–3.9	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3531	26-600781	0.8–1.6	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3532	26-600781	2.8–3.4	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3533	26-600781	4.8–5.8	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3537	26-600783	1.0–2.5	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3538	26-600783	3.5–4.5	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3539	26-600783	5.5–6.1	QBT1V	07-1155	07-1154	—	07-1155	07-1155	07-1153	—	07-1155	07-1155	07-1154	07-1153	07-1154	—	—	07-1155	07-1153	—	—	07-1153	07-1154
RE26-07-3540	26-600784	0.7–1.3	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3541	26-600784	2.7–3.3	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3543	26-600785	0.8–1.3	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	—	08-29
RE26-07-3544	26-600785	2.0–3.3	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3545	26-600785	4.8–5.3	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3546	26-600786	0.5–1.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3549	26-600787	0.7–1.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	—	08-29
RE26-07-3550	26-600787	2.7–3.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3552	26-600788	0.7–1.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3553	26-600788	2.7–3.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3554	26-600788	4.7–5.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3555	26-600789	0.5–1.0	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3556	26-600789	2.5–3.0	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3557	26-600789	4.5–5.0	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3558	26-600790	0.7–1.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3559	26-600790	2.7–3.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3561	26-600791	0.5–1.0	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE26-07-3562	26-600791	2.5–3.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3564	26-600792	0.5–2.0	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-07-3565	26-600792	2.5–3.2	QBT1V	08-30	08-29	—	08-30	08-30	08-28	—	08-30	08-30	08-29	08-28	08-29	—	—	08-30	08-28	—	—	08-28	08-29
RE26-08-7047	26-600910	3.5–5.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7048	26-600910	5.5–8.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7049	26-600910	8.5–11.0	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7044	26-600911	0.5–3.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7045	26-600911	3.5–5.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7046	26-600911	5.5–8.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7041	26-600912	0.8–3.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7042	26-600912	3.5–5.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7043	26-600912	5.5–11.0	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7038	26-600913	0.5–3.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7039	26-600913	3.5–5.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7040	26-600913	5.5–8.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7035	26-600914	0.5–2.7	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7036	26-600914	3.5–6.0	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7037	26-600914	6.0–8.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-07-4215	26-600915	1.5–2.0	QBT3	08-27	08-26	—	08-27	08-27	08-25	—	08-27	08-27	08-26	08-25	08-26	—	—	08-27	08-25	—	—	08-25	08-26
RE26-07-4216	26-600915	3.5–4.5	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4217	26-600915	6.0–7.5	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4218	26-600916	1.0–3.5	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4219	26-600916	3.5–5.5	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4220	26-600916	5.5–9.5	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4221	26-600917	0.0–2.5	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4222	26-600917	2.5–5.0	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4223	26-600917	5.0–9.0	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4224	26-600918	2.1–2.6	QBT3	08-27	08-26	—	08-27	08-27	08-25	—	08-27	08-27	08-26	08-25	08-26	—	—	08-27	08-25	—	—	08-25	08-26
RE26-07-4225	26-600918	4.1–5.6	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4226	26-600918	6.6–13.5	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4227	26-600919	2.6–3.1	QBT3	08-27	08-26	—	08-27	08-27	08-25	—	08-27	08-27	08-26	08-25	08-26	—	—	08-27	08-25	—	—	08-25	08-26
RE26-07-4228	26-600919	4.6–7.0	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4229	26-600919	8.0–10.2	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4230	26-600920	2.5–3.0	QBT3	08-27	08-26	—	08-27	08-27	08-25	—	08-27	08-27	08-26	08-25	08-26	—	—	08-27	08-25	—	—	08-25	08-26
RE26-07-4231	26-600920	3.5–5.0	QBT3	08-27	08-26	—	08-27	08-27	08-25	—	08-27	08-27	08-26	08-25	08-26	—	—	08-27	08-25	—	—	08-25	08-26
RE26-07-4232	26-600920	7.0–9.0	QBT3	08-33	08-32	—	08-33	08-33	08-31	—	08-33	08-33	08-32	08-31	08-32	—	—	08-33	08-31	—	—	08-31	08-32
RE26-07-4233	26-600921	0.9–2.1	QBT3	08-22	08-21	—	08-22	08-22	08-20	—	08-22	08-22	08-21	08-20	08-21	—	—	08-22	08-20	—	—	08-20	08-21

Table 1.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241	Anions	Dioxins/Furans	Gamma Spectroscopy	Tritium	High Explosives	Hexavalent Chromium	Isotopic Plutonium	Isotopic Uranium	Metals	PCB	Perchlorate	Pesticides	Pesticides/PCBs	Strontium-90	SVOCs	Technetium-99	TPH-DRO	VOCs	Wet Chem
RE26-07-4234	26-600921	2.9–3.5	QBT2	08-22	08-21	—	08-22	08-22	08-20	—	08-22	08-22	08-21	08-20	08-21	—	—	08-22	08-20	—	—	08-20	08-21
RE26-07-4236	26-600922	1.0–1.8	QBT3	08-22	08-21	—	08-22	08-22	08-20	—	08-22	08-22	08-21	08-20	08-21	—	—	08-22	08-20	—	—	08-20	08-21
RE26-07-4239	26-600923	1.2–1.7	QBT3	08-22	08-21	—	08-22	08-22	08-20	—	08-22	08-22	08-21	08-20	08-21	—	—	08-22	08-20	—	—	08-20	08-21
RE26-08-7032	26-600924	0.5–3.0	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7033	26-600924	3.5–5.5	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-08-7034	26-600924	5.5–11.0	QBT3	08-54	08-53	—	08-54	08-54	08-52	—	08-54	08-54	08-53	08-52	08-53	—	—	08-54	08-52	—	—	08-52	08-53
RE26-07-4245	26-600925	0.5–3.0	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4246	26-600925	3.0–5.5	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4247	26-600925	5.5–8.0	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4248	26-600926	0.8–1.4	QBT3	08-38	08-38	—	08-38	08-38	08-38	—	08-38	08-38	08-38	08-38	08-38	—	—	08-38	08-38	—	—	08-38	08-38
RE26-07-4249	26-600926	2.8–3.2	QBT2	08-38	08-38	—	08-38	08-38	08-38	—	08-38	08-38	08-38	08-38	08-38	—	—	08-38	08-38	—	—	08-38	08-38
RE26-07-4251	26-600927	2.0–3.0	QBT3	08-38	08-38	—	08-38	08-38	08-38	—	08-38	08-38	08-38	08-38	08-38	—	—	08-38	08-38	—	—	08-38	08-38
RE26-07-4254	26-600928	0.0–2.5	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4255	26-600928	2.5–4.5	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4256	26-600928	4.5–6.9	QBT3	08-49	08-48	—	08-49	08-49	08-47	—	08-49	08-49	08-48	08-47	08-48	—	—	08-49	08-47	—	—	08-47	08-48
RE26-07-4257	26-600929	2.5–4.7	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4258	26-600929	4.5–7.0	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41
RE26-07-4259	26-600929	7.0–10.8	QBT3	08-40	08-41	—	08-40	08-40	08-39	—	08-40	08-40	08-41	08-39	08-41	—	—	08-40	08-39	—	—	08-39	08-41

[a] — = Analysis not requested.
[b] Analytical request number.

Table 1.3-3
Surveyed Coordinates for All Sampled Locations

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-003(a)	02-01042	1628485.879	1774286.59
02-003(a)	02-01241	1628509.663	1774284.784
02-003(a)	02-01242	1628483.663	1774281.495
02-003(a)	02-600118	1628382.447	1774348.377
02-003(a)	02-600119	1628503.148	1774285.236
02-003(a)	02-600120	1628509.601	1774303.377
02-003(a)	02-600121	1628509.427	1774264.306
02-003(a)	02-600122	1628517.625	1774281.573
02-003(a)	02-600123	1628555.649	1774221.398
02-003(a)	02-600124	1628587.045	1774169.594
02-003(b)	02-01104	1628592.412	1774296.539
02-003(b)	02-600125	1628586.348	1774281.573
02-003(b)	02-600126	1628596.115	1774281.573
02-003(b)	02-600127	1628598.732	1774274.248
02-003(b)	02-600128	1628602.22	1774255.236
02-003(b)	02-600129	1628609.372	1774236.398
02-003(c)	02-01043	1628629.404	1774182.75
02-003(c)	02-01144	1628628.05	1774211.738
02-003(c)	02-01145	1628615.481	1774199.694
02-003(c)	02-01237	1628636	1774182
02-003(c)	02-01238	1628629.83	1774177.758
02-003(c)	02-600196	1628636.407	1774184.246
02-003(c)	02-600197	1628650.361	1774185.815
02-003(c)	02-600198	1628645.826	1774168.024
02-003(c)	02-600199	1628627.163	1774168.547
02-003(c)	02-600200	1628610.418	1774181.106
02-003(c)	02-600201	1628589.138	1774181.455
02-003(c)	02-600202	1628604.587	1774198.042
02-003(c)	02-600203	1628631	1774206.92
02-003(c)	02-600204	1628609.546	1774208.316
02-003(c)	02-600205	1628629.953	1774235.875
02-003(d)	02-01254	1628509.075	1774417.515
02-003(d)	02-01255	1628501.607	1774393.117
02-003(d)	02-01256	1628480.653	1774443.779
02-003(d)	02-600216	1628481.582	1774462.46
02-003(d)	02-600217	1628511.462	1774438.284

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-003(d)	02-600218	1628532.378	1774417.64
02-003(d)	02-600219	1628495.979	1774424.159
02-003(d)	02-600220	1628450.616	1774426.604
02-003(d)	02-600221	1628451.16	1774450.508
02-003(d)	02-600222	1628472.619	1774425.246
02-003(d)	02-600223	1628451.703	1774402.972
02-003(d)	02-600224	1628428.614	1774426.604
02-003(d)	02-600225	1628500.325	1774388.575
02-003(d)	02-600226	1628480.496	1774389.119
02-003(d)	02-600227	1628519.883	1774388.304
02-003(d)	02-600228	1628629.657	1774147.466
02-003(d)	02-600229	1628652.592	1773968.798
02-003(d)	02-600230	1628677.433	1773768.133
02-003(d)	02-600231	1628702.97	1773572.153
02-003(e)	02-01240	1628519.556	1774285.697
02-003(e)	02-600206	1628522.509	1774285.934
02-003(e)	02-600207	1628522.541	1774265.653
02-003(e)	02-600208	1628533.263	1774277.957
02-003(e)	02-600209	1628532.102	1774297.272
02-004(a)	02-22359	1628186.61	1774303.65
02-004(a)	02-22369	1628184.37	1774282.99
02-004(a)	02-22370	1628201.77	1774287.49
02-004(a)	02-22371	1628200.39	1774303.47
02-004(a)	02-600378	1628338.986	1774357.935
02-004(a)	02-600379	1628318.085	1774371.017
02-004(a)	02-600380	1628345.702	1774370.276
02-004(a)	02-600381	1628359.736	1774357.635
02-004(a)	02-600382	1628318.687	1774348.012
02-004(a)	02-600383	1628338.835	1774338.087
02-004(a)	02-600384	1628338.535	1774316.585
02-004(a)	02-600409	1628184.413	1774336.283
02-004(a)	02-600410	1628211.328	1774339.441
02-004(a)	02-600411	1628219.297	1774325.307
02-004(a)	02-600412	1628221.402	1774305.609
02-004(a)	02-600413	1628199.599	1774322.901
02-004(a)	02-600414	1628180.202	1774322.299
02-004(a)	02-600415	1628185.916	1774294.933
02-004(a)	02-600416	1628190.127	1774262.154

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-004(a)	02-600417	1628191.781	1774237.345
02-004(a)	02-600456	1628161.634	1774297.34
02-004(a)	02-600457	1628123.868	1774298.965
02-004(a)	02-600458	1628086.345	1774302.039
02-004(a)	02-600459	1628080.946	1774287.273
02-004(a)	02-600460	1628101.447	1774281.928
02-004(a)	02-600461	1628123.044	1774282.392
02-004(a)	02-600462	1628121.559	1774265.615
02-004(a)	02-600463	1628101.232	1774262.411
02-004(a)	02-600464	1628079.341	1774273.645
02-004(a)	02-600465	1628102.557	1774167.766
02-004(a)	02-600466	1628134.655	1774167.07
02-004(a)	02-600467	1628119.649	1774157.629
02-004(a)	02-600468	1628117.761	1774143.319
02-004(a)	02-600580	1628163.36	1774276.324
02-004(a)	02-600581	1628168.762	1774253.367
02-004(a)	02-600582	1628170.787	1774229.059
02-004(a)	02-600583	1628176.864	1774197.324
02-004(a)	02-600584	1628481.388	1774185.17
02-004(b,c,d)	02-600508	1628019.476	1774278.274
02-004(b,c,d)	02-600509	1628024.968	1774272.478
02-004(b,c,d)	02-600510	1628015.968	1774268.665
02-004(b,c,d)	02-600511	1628006.359	1774273.393
02-004(b,c,d)	02-600526	1628030.459	1774300.391
02-004(b,c,d)	02-600527	1628007.274	1774298.255
02-004(b,c,d)	02-600528	1628013.07	1774308.933
02-004(b,c,d)	02-600545	1628025.578	1774288.494
02-004(b,c,d)	02-600546	1628001.783	1774287.426
02-004(e)	02-600537	1628035.187	1774291.239
02-004(e)	02-600538	1628030.916	1774279.342
02-004(e)	02-600539	1628038.238	1774270.953
02-004(f)	02-22376	1628071.69	1774318.7
02-004(f)	02-22377	1628081.79	1774331.74
02-004(f)	02-22378	1628091.93	1774323.85
02-004(f)	02-22379	1628078.58	1774310.38
02-004(f)	02-600469	1628055.473	1774320.982
02-004(f)	02-600470	1628074.235	1774340.811
02-004(f)	02-600471	1628059.287	1774352.098

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-004(f)	02-600472	1628115.339	1774343.577
02-004(f)	02-600473	1628119.688	1774322.203
02-004(f)	02-600474	1628090.25	1774320.982
02-004(f)	02-600475	1628105.808	1774308.78
02-004(f)	02-600476	1628076.522	1774318.389
02-004(f)	02-600477	1628061.574	1774311.678
02-004(f)	02-600478	1628048.152	1774302.831
02-004(f)	02-600479	1628044.339	1774280.562
02-004(f)	02-600480	1628055.626	1774277.817
02-004(f)	02-600564	1628036.56	1774321.44
02-004(f)	02-600565	1628037.17	1774333.947
02-004(f)	02-600566	1628016.578	1774321.44
02-004(f)	02-600567	1628038.445	1774261.469
02-004(f)	02-600568	1628038.085	1774174.707
02-004(f)	02-600569	1628189.018	1774168.289
02-004(f)	02-600570	1628332.342	1774168.272
02-004(f)	02-600571	1628481.388	1774152.759
02-004(f)	02-600572	1628792.663	1774133.178
02-004(g)	02-22383	1628018.09	1774214.94
02-004(g)	02-22384	1628028.5	1774204.45
02-004(g)	02-22385	1628030.27	1774218.19
02-004(g)	02-22386	1628029.57	1774232.97
02-004(g)	02-22387	1628031.06	1774229.66
02-004(g)	02-600489	1628060.049	1774236.786
02-004(g)	02-600490	1628053.948	1774217.415
02-004(g)	02-600491	1628047.694	1774198.044
02-004(g)	02-600492	1628012.308	1774204.145
02-004(g)	02-600493	1628017.799	1774219.093
02-004(g)	02-600494	1627997.512	1774216.652
02-004(g)	02-600495	1628010.782	1774234.346
02-004(g)	02-600496	1628035.645	1774248.836
02-004(g)	02-600497	1628024.752	1774180.323
02-005	02-600547	1628023.59	1774490.368
02-005	02-600548	1628223.454	1774490.368
02-005	02-600549	1628422.644	1774491.043
02-005	02-600550	1628621.833	1774491.043
02-005	02-600551	1628823.723	1774491.719
02-005	02-600552	1628823.723	1774293.88

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-005	02-600553	1628824.398	1774096.716
02-005	02-600554	1628421.968	1774096.041
02-005	02-600555	1628223.454	1774094.691
02-005	02-600556	1628024.94	1774094.691
02-005	02-600557	1627822.375	1774095.366
02-005	02-600558	1627623.861	1774094.691
02-005	02-600559	1627623.861	1774295.23
02-005	02-600560	1627828.452	1774299.957
02-005	02-600561	1627623.186	1774489.018
02-005	02-600562	1627822.375	1774489.018
02-006(a)	02-22052	1628717.3	1773378.03
02-006(a)	02-22053	1628734.055	1773378.404
02-006(a)	02-22054	1628735.122	1773361.457
02-006(a)	02-22055	1628724.099	1773371.462
02-006(a)	02-22056	1628728.741	1773372.04
02-006(a)	02-22057	1628729.323	1773367.193
02-006(a)	02-22058	1628723.068	1773365.591
02-006(a)	02-22059	1628713.209	1773354.171
02-006(a)	02-600247	1628721.466	1773373.198
02-006(a)	02-600248	1628730.201	1773374.835
02-006(a)	02-600249	1628730.201	1773365.828
02-006(a)	02-600250	1628720.92	1773365.009
02-006(a)	02-600251	1628717.099	1773381.659
02-006(a)	02-600252	1628733.203	1773382.478
02-006(a)	02-600253	1628734.568	1773359.004
02-006(a)	02-600254	1628712.732	1773357.64
02-006(a)	02-600255	1628702.087	1773395.034
02-006(a)	02-600256	1628747.124	1773394.761
02-006(a)	02-600257	1628754.22	1773346.994
02-006(a)	02-600258	1628699.903	1773339.625
02-006(b)	02-01094	1628273.825	1774220.321
02-006(b)	02-01251	1628276.409	1774219.157
02-006(b)	02-22345	1628271.75	1774230.65
02-006(b)	02-600351	1628273.127	1774228.323
02-006(b)	02-600352	1628270.571	1774258.546
02-006(b)	02-600353	1628266.36	1774290.122
02-006(b)	02-600354	1628262.902	1774321.247
02-006(b)	02-600355	1628269.368	1774325.006

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-006(b)	02-600356	1628247.715	1774323.202
02-006(b)	02-600357	1628233.882	1774321.698
02-006(b)	02-600358	1628225.913	1774313.127
02-006(b)	02-600359	1628254.482	1774291.776
02-006(b)	02-600360	1628288.765	1774325.457
02-006(b)	02-600361	1628290.118	1774294.482
02-006(b)	02-600362	1628254.808	1774280.768
02-006(b)	02-600363	1628258.842	1774249.824
02-006(b)	02-600364	1628258.692	1774228.774
02-006(b)	02-600365	1628284.254	1774226.819
02-006(b)	02-600366	1628242.002	1774319.743
02-006(b)	02-600367	1628274.63	1774217.948
02-006(c)	02-600585	1628254.299	1774307.357
02-006(c)	02-600586	1628270.542	1774304.013
02-006(c)	02-600587	1628274.602	1774274.873
02-006(c)	02-600588	1628349.603	1774263.885
02-006(c)	02-600589	1628390.686	1774265.796
02-006(c)	02-600590	1628471.181	1774280.128
02-006(c)	02-600591	1628325.717	1774246.688
02-006(e)	02-01095	1628229.541	1774225.561
02-006(e)	02-01250	1628232.402	1774223.662
02-006(e)	02-22356	1628221.45	1774237.79
02-006(e)	02-22357	1628229.09	1774231.89
02-006(e)	02-22358	1628221.4	1774245.73
02-006(e)	02-600282	1628230.368	1774234.4
02-006(e)	02-600283	1628227.567	1774246.516
02-006(e)	02-600284	1628226.815	1774264.41
02-006(e)	02-600285	1628223.206	1774296.287
02-006(e)	02-600286	1628201.855	1774295.685
02-006(e)	02-600287	1628212.982	1774263.207
02-006(e)	02-600288	1628213.433	1774246.516
02-006(e)	02-600289	1628202.156	1774249.073
02-006(e)	02-600290	1628213.379	1774235.808
02-006(e)	02-600291	1628243.806	1774231.179
02-006(e)	02-600292	1628231.476	1774226.067
02-007-00	02-01140	1628659.179	1774255.848
02-007-00	02-01141	1628648.492	1774269.68
02-007-00	02-01142	1628620.905	1774269.431

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-007-00	02-01143	1628635.102	1774259.494
02-007-00	02-01146	1628781.085	1774222.34
02-007-00	02-01147	1628746.303	1774215.577
02-007-00	02-01148	1628741.334	1774235.472
02-007-00	02-01225	1628809.642	1774203.867
02-007-00	02-01226	1628796.966	1774202.075
02-007-00	02-01227	1628798.621	1774227.759
02-007-00	02-01228	1628775.546	1774220.555
02-007-00	02-01229	1628737.229	1774220.514
02-007-00	02-01230	1628712.262	1774248.257
02-007-00	02-01231	1628681.094	1774252.676
02-007-00	02-01232	1628646.496	1774257.294
02-007-00	02-01233	1628670.617	1774257.931
02-007-00	02-01234	1628613.187	1774275.397
02-007-00	02-01243	1628498.78	1774312.684
02-007-00	02-01244	1628505.335	1774330.778
02-007-00	02-01259	1628609.678	1774147.503
02-007-00	02-01260	1628617.398	1774130.997
02-007-00	02-01263	1628664.477	1774113.381
02-007-00	02-01264	1628653.824	1774109.406
02-007-00	02-600259	1628611.252	1774146.9
02-007-00	02-600260	1628609.836	1774161.907
02-007-00	02-600261	1628610.12	1774129.628
02-007-00	02-600262	1628587.751	1774149.731
02-007-00	02-600263	1628588.317	1774110.09
02-007-00	02-600264	1628587.751	1774129.628
02-007-00	02-600265	1628608.704	1774110.94
02-007-00	02-600266	1628588.883	1774089.137
02-007-00	02-600267	1628566.514	1774108.958
02-007-00	02-600268	1628660.804	1774110.374
02-007-00	02-600269	1628661.087	1774130.477
02-007-00	02-600270	1628680.907	1774110.374
02-007-00	02-600271	1628661.087	1774090.27
02-007-00	02-600272	1628640.7	1774110.374
02-007-00	02-600273	1628640.7	1774130.477
02-007-00	02-600274	1628640.7	1774090.27
02-007-00	02-600275	1628680.907	1774090.27
02-007-00	02-600276	1628661.653	1774072.431

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-007-00	02-600277	1628742.351	1774056.009
02-007-00	02-600278	1628742.068	1774076.962
02-007-00	02-600279	1628765.569	1774055.726
02-007-00	02-600280	1628742.068	1774031.658
02-007-00	02-600281	1628718.849	1774055.726
02-007-00	02-600592	1628559.348	1774293.489
02-007-00	02-600593	1628565.726	1774295.216
02-007-00	02-600594	1628571.971	1774292.692
02-007-00	02-600595	1628562.404	1774320.461
02-007-00	02-600596	1628547.655	1774308.902
02-007-00	02-600597	1628583.664	1774314.217
02-007-00	02-600598	1628664.051	1774199.947
02-007-00	02-600599	1628664.051	1774216.822
02-007-00	02-600600	1628680.253	1774191.491
02-007-00	02-600601	1628665.247	1774181.611
02-007-00	02-600602	1628645.582	1774201.409
02-007-00	02-600603	1628663.254	1774233.032
02-007-00	02-600604	1628687.437	1774221.605
02-007-00	02-600605	1628478.463	1774310.877
02-007-00	02-600606	1628490.797	1774313.025
02-007-00	02-600607	1628515.634	1774311.053
02-007-00	02-600608	1628477.759	1774325.851
02-007-00	02-600609	1628504.536	1774333.25
02-007-00	02-600610	1628525.323	1774333.955
02-007-00	02-600611	1628473.354	1774343.82
02-007-00	02-600612	1628471.064	1774354.038
02-007-00	02-600613	1628504.712	1774353.333
02-007-00	02-600643	1628590.042	1774299.866
02-007-00	02-600644	1628602.266	1774305.314
02-007-00	02-600645	1628625.386	1774291.761
02-007-00	02-600646	1628657.408	1774280.068
02-007-00	02-600647	1628687.57	1774269.173
02-007-00	02-600648	1628724.906	1774254.823
02-007-00	02-600649	1628786.958	1774235.689
02-007-00	02-600650	1628827.35	1774220.011
02-007-00	02-600651	1628617.28	1774273.159
02-007-00	02-600652	1628647.177	1774260.536
02-007-00	02-600698	1628676.275	1774252.564

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-007-00	02-600699	1628716.668	1774234.759
02-007-00	02-600700	1628779.65	1774218.682
02-007-00	02-600701	1628639.603	1774244.326
02-007-00	02-600702	1628668.436	1774239.941
02-007-00	02-600703	1628706.969	1774214.828
02-007-00	02-600704	1628771.943	1774203.402
02-007-00	02-600705	1628818.581	1774200.611
02-007-00	02-600706	1628839.973	1774194.499
02-008(a)	02-01249	1628054.625	1774258.997
02-008(a)	02-600481	1628049.356	1774273.756
02-008(a)	02-600482	1628058.219	1774267.75
02-008(a)	02-600483	1628067.848	1774269.191
02-008(a)	02-600484	1628052.728	1774257.072
02-008(c)	02-01154	1628452.199	1774226.611
02-008(c)	02-01252	1628453.778	1774226.694
02-008(c)	02-01253	1628455.5	1774226.299
02-008(c)	02-600210	1628558.614	1774261.341
02-008(c)	02-600625	1628448.691	1774268.598
02-008(c)	02-600626	1628452.919	1774237.064
02-008(c)	02-600627	1628454.153	1774215.043
02-009(d)	02-01245	1628436.142	1774310.448
02-009(d)	02-600614	1628390.557	1774312.991
02-009(d)	02-600615	1628436.712	1774312.463
02-009(d)	02-600616	1628449.749	1774314.225
02-009(d)	02-600617	1628409.935	1774334.483
02-009(d)	02-600618	1628429.666	1774334.131
02-009(d)	02-600619	1628449.396	1774333.603
02-009(d)	02-600620	1628464.194	1774333.779
02-009(d)	02-600621	1628454.681	1774343.997
02-009(d)	02-600622	1628429.489	1774353.685
02-009(d)	02-600623	1628449.044	1774353.509
02-009(d)	02-600624	1628449.044	1774375.178
02-010	02-01246	1628445.01	1774287.018
02-010	02-22350	1628419.2	1774279.61
02-010	02-22389	1628426.4	1774294.33
02-010	02-22390	1628426.4	1774294.33
02-010	02-22391	1628437.84	1774281.13
02-010	02-600628	1628427.728	1774228.608

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-010	02-600629	1628469.916	1774251.841
02-010	02-600630	1628442.173	1774250.805
02-010	02-600631	1628467.365	1774256.795
02-010	02-600632	1628423.148	1774271.24
02-010	02-600633	1628441.469	1774281.634
02-010	02-600634	1628406.94	1774292.38
02-010	02-600635	1628429.666	1774295.727
02-010	02-600636	1628449.396	1774299.251
02-010	02-600637	1628468.774	1774294.494
02-010	02-600638	1628402.184	1774277.758
02-010	02-600639	1628487.448	1774261.375
02-010	02-600640	1628508.411	1774243.406
02-010	02-600641	1628524.09	1774248.339
02-011(a)	02-01149	1628139.162	1774237.465
02-011(a)	02-01150	1628318.25	1774215.106
02-011(a)	02-01152	1628234.52	1774224.919
02-011(a)	02-01153	1628414.403	1774215.982
02-011(a)	02-01157	1628154.926	1774364.059
02-011(a)	02-01158	1628156.452	1774349.11
02-011(a)	02-01159	1628160.938	1774309.63
02-011(a)	02-01162	1628373.619	1774229.438
02-011(a)	02-22346	1628437.44	1774233.58
02-011(a)	02-22347	1628422.55	1774233.91
02-011(a)	02-22348	1628389.58	1774238.63
02-011(a)	02-22349	1628346.31	1774243.85
02-011(a)	02-22351	1628233.54	1774235.05
02-011(a)	02-22352	1628232.83	1774254.43
02-011(a)	02-22367	1628317.94	1774220.3
02-011(a)	02-22368	1628409.85	1774226.4
02-011(a)	02-22372	1628230.08	1774283.27
02-011(a)	02-22373	1628230.82	1774289.39
02-011(a)	02-22374	1628231.69	1774302.52
02-011(a)	02-22380	1628408.57	1774242.21
02-011(a)	02-600385	1628163.211	1774360.936
02-011(a)	02-600386	1628179.751	1774374.776
02-011(a)	02-600387	1628200.953	1774392.368
02-011(a)	02-600406	1628162.46	1774344.403
02-011(a)	02-600407	1628202.005	1774351.921

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-011(a)	02-600408	1628244.257	1774367.108
02-011(a)	02-600431	1628318.537	1774223.511
02-011(a)	02-600432	1628314.627	1774258.696
02-011(a)	02-600433	1628311.92	1774279.897
02-011(a)	02-600434	1628328.46	1774280.649
02-011(a)	02-600435	1628325.002	1774301.85
02-011(a)	02-600436	1628357.48	1774304.857
02-011(a)	02-600437	1628370.562	1774307.564
02-011(a)	02-600438	1628369.209	1774320.495
02-011(a)	02-600439	1628355.075	1774330.87
02-011(a)	02-600440	1628322.897	1774328.013
02-011(a)	02-600441	1628303.624	1774226.407
02-011(a)	02-600442	1628349.06	1774221.406
02-011(a)	02-600443	1628318.57	1774223.316
02-011(a)	02-600444	1628364.548	1774229.676
02-011(a)	02-600445	1628372.667	1774239.149
02-011(a)	02-600446	1628385.598	1774229.826
02-011(a)	02-600447	1628375.247	1774221.738
02-011(a)	02-600448	1628357.48	1774277.491
02-011(a)	02-600449	1628151.784	1774356.131
02-011(a)	02-600450	1628152.836	1774340.042
02-011(a)	02-600451	1628164.715	1774316.886
02-011(a)	02-600532	1628136.121	1774248.262
02-011(a)	02-600533	1628151.567	1774266.377
02-011(a)	02-600534	1628117.974	1774247.72
02-011(a)	02-600542	1628243.506	1774249.524
02-011(a)	02-600543	1628234.032	1774290.422
02-011(a)	02-600563	1628143.025	1774309.543
02-011(a)	02-600660	1628416.982	1774225.613
02-011(a)	02-600661	1628416.63	1774250.277
02-011(a)	02-600662	1628409.843	1774313.502
02-011(a)	02-600663	1628408.173	1774353.333
02-011(a)	02-600664	1628382.63	1774364.255
02-011(a)	02-600665	1628387.531	1774226.1
02-011(a)	02-600666	1628419.448	1774216.981
02-011(b)	02-01107	1628562.485	1774266.624
02-011(b)	02-01110	1628559.018	1774276.484
02-011(b)	02-01239	1628554.279	1774281.283

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
02-011(b)	02-600211	1628568.033	1774263.782
02-011(b)	02-600212	1628578.324	1774261.515
02-011(b)	02-600213	1628539.428	1774255.41
02-011(b)	02-600214	1628550.242	1774257.852
02-011(b)	02-600215	1628557.568	1774281.573
02-011(c)	02-600573	1628040.678	1774313.814
02-011(d)	02-01151	1628037.488	1774268.995
02-011(d)	02-01155	1628042.317	1774260.189
02-011(d)	02-01247	1628038.546	1774266.924
02-011(d)	02-01248	1628044.478	1774261.894
02-011(d)	02-600574	1628025.12	1774265.309
02-012	02-01257	1628229.91	1774352.775
02-012	02-01258	1628229.701	1774350.585
02-012	02-01265	1628230.036	1774345.242
02-012	02-600418	1628274.931	1774338.087
02-012	02-600419	1628254.181	1774336.133
02-012	02-600420	1628266.962	1774346.057
02-012	02-600452	1628170.128	1774335.381
02-012	02-600453	1628176.895	1774344.854
02-012	02-600454	1628217.342	1774348.613
02-012	02-600455	1628256.437	1774352.071
02-012	02-600485	1628298.237	1774266.816
02-012	02-600486	1628307.41	1774247.569
02-012	02-600487	1628287.562	1774247.268
02-012	02-600488	1628299.14	1774257.192
21-006(e)-99	21-602919	1632394.362	1774272.941
21-006(e)-99	21-602920	1632422.435	1774260.481
21-006(e)-99	21-602921	1632380.904	1774269.738
21-006(e)-99	21-602922	1632406.452	1774251.165
21-006(e)-99	21-602923	1632435.865	1774252.41
21-006(e)-99	21-602924	1632375.456	1774251.529
21-006(e)-99	21-602925	1632389.901	1774242.462
21-006(e)-99	21-602926	1632414.952	1774235.724
21-006(e)-99	21-602927	1632429.133	1774234.028
21-006(e)-99	21-602928	1632369.803	1774230.983
21-006(e)-99	21-602929	1632397.215	1774221.89
21-006(e)-99	21-602930	1632441.285	1774209.151
21-006(e)-99	21-602931	1632379.211	1774217.265

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
21-006(e)-99	21-602932	1632406.897	1774208.677
21-006(e)-99	21-602933	1632436.725	1774197.093
21-028(c)	21-601066	1632340.243	1774468.518
21-028(c)	21-601067	1632342.837	1774478.549
21-028(c)	21-601068	1632349.582	1774465.059
21-028(c)	21-601069	1632337.129	1774459.178
21-028(c)	21-601070	1632330.557	1774471.112
21-028(c)	21-601071	1632381.579	1774425.624
21-028(c)	21-601072	1632376.218	1774407.118
21-028(c)	21-601073	1632384.692	1774435.483
21-028(c)	21-601074	1632372.067	1774428.046
21-028(c)	21-601075	1632390.746	1774423.722
21-028(c)	21-601076	1632366.582	1774410.082
21-028(c)	21-601077	1632385.211	1774404.005
21-028(c)	21-601078	1632353.041	1774409.539
21-028(c)	21-601079	1632341.799	1774413.171
21-028(c)	21-601080	1632350.101	1774400.2
21-028(c)	21-601081	1632346.469	1774390.687
21-028(c)	21-601082	1632339.551	1774403.486
26-001	26-600773	1639340.396	1773779.943
26-001	26-600774	1639341.279	1773777.294
26-001	26-600775	1639341.279	1773763.463
26-001	26-600776	1639345.988	1773763.757
26-001	26-600777	1639261.824	1773734.329
26-001	26-600778	1639281.835	1773739.921
26-001	26-600779	1639303.317	1773740.804
26-001	26-600780	1639323.328	1773746.395
26-001	26-600781	1639343.633	1773742.569
26-001	26-600783	1639291.546	1773716.379
26-001	26-600784	1639312.44	1773716.379
26-001	26-600785	1639334.511	1773721.97
26-001	26-600786	1639354.227	1773721.087
26-001	26-600787	1639259.176	1773682.243
26-001	26-600788	1639277.715	1773689.305
26-001	26-600789	1639297.432	1773701.665
26-001	26-600790	1639318.031	1773702.548
26-001	26-600791	1639339.219	1773700.782
26-001	26-600792	1639359.819	1773701.371

Table 1.3-3 (continued)

SWMU, AOC, or Consolidated Unit	Location ID	Easting (ft)	Northing (ft)
26-001	26-600910	1639288.662	1773816.992
26-001	26-600911	1639297.34	1773822.767
26-001	26-600912	1639305.247	1773822.767
26-001	26-600913	1639297.722	1773813.929
26-001	26-600914	1639305.223	1773813.794
26-001	26-600915	1639289.195	1773804.129
26-001	26-600916	1639297.746	1773804.208
26-001	26-600917	1639305.494	1773804.638
26-001	26-600918	1639307.731	1773791.419
26-001	26-600919	1639308.026	1773788.771
26-001	26-600920	1639308.026	1773786.122
26-001	26-600921	1639307.731	1773771.703
26-001	26-600922	1639303.317	1773772.586
26-001	26-600923	1639311.851	1773773.174
26-001	26-600924	1639313.178	1773820.659
26-001	26-600925	1639313.424	1773807.151
26-001	26-600926	1639337.748	1773767.289
26-001	26-600927	1639334.805	1773772.291
26-001	26-600928	1639317.139	1773803.118
26-001	26-600929	1639340.396	1773783.18

Table 1.3-4
Field-Screening Results for Samples Collected in 2007

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-003(a)	02-600118	0–0.5	RE02-07-670	0	0	18	1701
02-003(a)	02-600118	0–0.5	RE02-07-724	0	0	18	1701
02-003(a)	02-600118	9.5–12	RE02-07-673	0	0	18	1701
02-003(a)	02-600118	14.5–19	RE02-07-6820	0	0	20.5	2200
02-003(a)	02-600119	0–0.5	RE02-07-674	0	0	8	1165
02-003(a)	02-600119	4.5–7.3	RE02-07-675	0	0	8	1165
02-003(a)	02-600119	15–21	RE02-07-676	0	0	45	1998
02-003(a)	02-600120	0–0.5	RE02-07-678	0	0	28.9	1804
02-003(a)	02-600120	4.5–7.6	RE02-07-679	0	1.5	28.9	1804
02-003(a)	02-600120	4.5–7.6	RE02-07-722	0	1.5	28.9	1804
02-003(a)	02-600120	14.5–17.8	RE02-07-680	0	0	28.9	1804
02-003(a)	02-600121	0–0.5	RE02-07-682	0	0	29	2550
02-003(a)	02-600121	4.5–6.3	RE02-07-683	0	0	47	1792
02-003(a)	02-600121	10–12.3	RE02-07-685	0	0	47	1792
02-003(a)	02-600121	15–21	RE02-07-684	1	1	66.1	1710
02-003(a)	02-600121	15–21	RE02-07-723	1.2	1.2	66.1	1710
02-003(a)	02-600122	0–0.5	RE02-07-686	0	0	71.8	2490
02-003(a)	02-600122	2–4.5	RE02-07-687	0	0	21	2100
02-003(a)	02-600122	4.5–7.5	RE02-07-688	0	0	21	2100
02-003(a)	02-600123	0–0.5	RE02-07-689	0	0	17	2890
02-003(a)	02-600123	2–2.5	RE02-07-690	0	0	61.8	19.5
02-003(a)	02-600123	4.5–6.7	RE02-07-691	0	0	24.6	1861
02-003(a)	02-600124	0–0.5	RE02-07-692	0	0	71	2380
02-003(a)	02-600124	2–3.7	RE02-07-693	0	0	37.2	1580
02-003(a)	02-600124	4.5–5.7	RE02-07-694	0	0	37.2	1580
02-003(b)	02-600125	0–0.5	RE02-07-696	0	0	14.72	1516
02-003(b)	02-600125	4.5–9	RE02-07-697	0	0	21	1214
02-003(b)	02-600125	4.5–9	RE02-07-731	0	0	21	1214
02-003(b)	02-600125	9–11.3	RE02-07-698	0	0	21	1214
02-003(b)	02-600125	14.5–16.7	RE02-07-699	0	0	21	1214
02-003(b)	02-600126	0–0.5	RE02-07-701	0	0	41.2	1847
02-003(b)	02-600126	4.5–5.2	RE02-07-702	0	0	41.2	1847
02-003(b)	02-600126	9.5–12.7	RE02-07-703	0	0	28.4	1418
02-003(b)	02-600126	14.5–16.7	RE02-07-704	0	0	28.4	1418
02-003(b)	02-600127	0–0.5	RE02-07-706	0	0	22	1602
02-003(b)	02-600127	4.5–6.4	RE02-07-707	0	0	31	1462

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-003(b)	02-600127	9.5–11.9	RE02-07-708	0	0	31	1462
02-003(b)	02-600128	0–0.5	RE02-07-711	0	0	29	1650
02-003(b)	02-600129	0–0.5	RE02-07-716	0	0	13.13	1954
02-003(c)	02-600196	0–0.5	RE02-07-6177	0	0	45.2	2040
02-003(c)	02-600196	0–4.5	RE02-07-806	0	0	0	1616
02-003(c)	02-600196	4.5–9	RE02-07-807	0	0	0	1616
02-003(c)	02-600196	19–22	RE02-07-808	0	2.2	22.7	2420
02-003(c)	02-600197	0–0.5	RE02-07-810	0	0	0	1700
02-003(c)	02-600197	4.5–9.5	RE02-07-811	0	0	113	2570
02-003(c)	02-600197	4.5–9.5	RE02-07-849	0	0	113	2570
02-003(c)	02-600197	9.5–12	RE02-07-813	0	0	113	2570
02-003(c)	02-600197	14.5–18.5	RE02-07-812	0	0	113	2570
02-003(c)	02-600198	0–0.5	RE02-07-814	0	0	18.5	1889
02-003(c)	02-600198	0.5–5	RE02-07-815	0	0	18.5	1889
02-003(c)	02-600198	14.5–19.5	RE02-07-817	0	0	18.5	1889
02-003(c)	02-600198	19.5–24.5	RE02-07-816	0	0	18.5	1889
02-003(c)	02-600199	0–0.5	RE02-07-818	0	0	29.6	1731
02-003(c)	02-600199	4.5–7.3	RE02-07-819	0	0	29.6	1731
02-003(c)	02-600200	0–0.5	RE02-07-822	0	0	25.4	1429
02-003(c)	02-600200	0–0.5	RE02-07-847	0	0	25.4	1429
02-003(c)	02-600200	4.5–7	RE02-07-823	0	0	0	1700
02-003(c)	02-600200	9.5–14.5	RE02-07-825	0	0	0	1700
02-003(c)	02-600200	14.5–19.5	RE02-07-824	0	0	0	1700
02-003(c)	02-600201	0–0.5	RE02-07-826	0	0	41	2650
02-003(c)	02-600201	4.5–6.7	RE02-07-827	0	0	23.4	1364
02-003(c)	02-600201	9.5–11.5	RE02-07-829	0	0	23.4	1364
02-003(c)	02-600201	15.9–20.5	RE02-07-828	0	0	23.4	1364
02-003(c)	02-600202	0–0.5	RE02-07-830	0	0	46.7	1605
02-003(c)	02-600202	4.5–6.2	RE02-07-831	0	0	46.7	1605
02-003(c)	02-600203	0–0.5	RE02-07-834	0	0	95	2510
02-003(c)	02-600203	4.5–6.5	RE02-07-835	0	0	26.3	1589
02-003(c)	02-600203	9–11	RE02-07-837	0	0	26.3	1589
02-003(c)	02-600203	14–16.5	RE02-07-836	0	0	26.3	1589
02-003(c)	02-600204	0–0.5	RE02-07-838	0	0	65	2760
02-003(c)	02-600204	4.5–9.5	RE02-07-839	0	0	65	2760
02-003(c)	02-600204	9.5–14	RE02-07-841	0	0	65	2760
02-003(c)	02-600204	19–24	RE02-07-840	0	0	65	2760

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-003(c)	02-600204	19–24	RE02-07-848	0	0	65	2760
02-003(c)	02-600205	0–0.5	RE02-07-842	0	0	59	2320
02-003(c)	NA	19–22	RE02-07-846	0	2.2	0	1616
02-003(d)	02-600216	0–0.5	RE02-07-6885	0	0	6	587
02-003(d)	02-600216	0–0.5	RE02-07-926	0	0	6	587
02-003(d)	02-600217	0–0.5	RE02-07-6888	0	0	59.8	3210
02-003(d)	02-600217	0–0.8	RE02-07-929	0	0	59.8	3210
02-003(d)	02-600217	0–0.8	RE02-07-975	0	0	59.8	3210
02-003(d)	02-600218	0–0.5	RE02-07-6891	0	0	53.8	1623
02-003(d)	02-600218	0–1.3	RE02-07-932	0	0	53.8	1623
02-003(d)	02-600218	2–2.5	RE02-07-6892	0	0	53.8	1623
02-003(d)	02-600218	2–4	RE02-07-933	0	0	53.8	1623
02-003(d)	02-600218	2–4	RE02-07-977	0	0	53.8	1623
02-003(d)	02-600218	4–5.25	RE02-07-934	0	0	53.8	1623
02-003(d)	02-600218	4.5–5	RE02-07-6893	0	0	53.8	1623
02-003(d)	02-600219	0–0.5	RE02-07-935	0	0	137.1	2480
02-003(d)	02-600219	2–2.5	RE02-07-936	0	0	137.1	2480
02-003(d)	02-600219	2.7–3.4	RE02-07-937	0	0	137.1	2480
02-003(d)	02-600219	2.7–3.4	RE02-07-974	0	0	137.1	2480
02-003(d)	02-600220	0–0.5	RE02-07-6894	0	0	18	1810
02-003(d)	02-600220	0–0.5	RE02-07-938	0	0	18	1870
02-003(d)	02-600220	0–0.5	RE02-07-976	0	0	18	1870
02-003(d)	02-600221	0–0.5	RE02-07-6897	0	0	11	1911
02-003(d)	02-600221	0–1.2	RE02-07-941	0	0	11	1911
02-003(d)	02-600222	0–0.5	RE02-07-6900	0	0	20	2910
02-003(d)	02-600222	0–0.5	RE02-07-944	0	0	20	2910
02-003(d)	02-600223	0–0.5	RE02-07-6903	0	0	26	2370
02-003(d)	02-600223	0–0.5	RE02-07-947	0	0	26	2370
02-003(d)	02-600224	0–0.5	RE02-07-6906	0	0	58.9	3210
02-003(d)	02-600224	0–1.3	RE02-07-950	0	0	58.9	3210
02-003(d)	02-600225	0–0.5	RE02-07-6909	0	0	45	900
02-003(d)	02-600225	0–0.5	RE02-07-953	0	0	41	2450
02-003(d)	02-600226	0–0.5	RE02-07-6912	0	0	45	900
02-003(d)	02-600226	0–0.5	RE02-07-956	0	0	45	900
02-003(d)	02-600226	2–2.5	RE02-07-6913	0	0	41	3090
02-003(d)	02-600226	2–3	RE02-07-957	0	0	41	3090
02-003(d)	02-600227	0–0.5	RE02-07-6915	0	0	46.5	2710

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-003(d)	02-600227	0–0.5	RE02-07-959	0	0	46.5	2710
02-003(d)	02-600227	2–2.5	RE02-07-6916	0	0	46.5	2710
02-003(d)	02-600227	2–2.8	RE02-07-960	0	0	46.5	2710
02-003(d)	02-600227	4.5–5	RE02-07-6917	0	0	46.5	2710
02-003(d)	02-600227	4.5–5.7	RE02-07-961	0	0	46.5	2710
02-003(d)	02-600228	0–0.5	RE02-07-6918	0	0	20.5	1826
02-003(d)	02-600228	0–0.5	RE02-07-962	0	0	20.5	1826
02-003(d)	02-600228	2–2.5	RE02-07-6919	0	0	20.5	1826
02-003(d)	02-600228	2–2.5	RE02-07-963	0	0	20.5	1826
02-003(d)	02-600228	4.5–5	RE02-07-6920	0	0	20.5	1826
02-003(d)	02-600228	4.5–5	RE02-07-964	0	0	20.5	1826
02-003(d)	02-600229	0–0.5	RE02-07-6921	0	0	89	2880
02-003(d)	02-600229	0–0.5	RE02-07-965	0	0	89	2880
02-003(d)	02-600229	2–2.5	RE02-07-6922	0	0	89	2880
02-003(d)	02-600229	2–3.1	RE02-07-966	0	0	89	2880
02-003(d)	02-600229	4.5–5	RE02-07-6923	0	0	89	2880
02-003(d)	02-600229	4.5–5.7	RE02-07-967	0	0	89	2880
02-003(d)	02-600230	0–0.5	RE02-07-6924	0	0	83	2560
02-003(d)	02-600230	0–0.5	RE02-07-968	0	0	83	2560
02-003(d)	02-600230	2–2.5	RE02-07-6925	0	0	83	2560
02-003(d)	02-600230	2–2.5	RE02-07-969	0	0	83	2560
02-003(d)	02-600231	0–0.5	RE02-07-6927	0	0	65	2700
02-003(d)	02-600231	0–1	RE02-07-971	0	0	65	2700
02-003(d)	02-600231	0–1	RE02-07-978	0	0	65	2700
02-003(d)	02-600231	2–2.5	RE02-07-6928	0	0	65	2700
02-003(d)	02-600231	2–2.5	RE02-07-972	0	0	65	2700
02-003(d)	02-600231	4.5–5	RE02-07-6929	0	0	65	2700
02-003(d)	02-600231	4.5–5.5	RE02-07-973	0	0	65	2700
02-003(e)	02-600206	0–0.5	RE02-07-858	0	0	71.8	2490
02-003(e)	02-600206	4.5–7.5	RE02-07-859	0	0	21	2100
02-003(e)	02-600206	9.5–12.1	RE02-07-860	0	0	21	2100
02-003(e)	02-600206	19.5–23.4	RE02-07-861	0	0	21	2100
02-003(e)	02-600206	19.5–23.4	RE02-07-878	0	0	21	2100
02-003(e)	02-600207	0–0.5	RE02-07-863	0	0	88	2001
02-003(e)	02-600207	4.5–8.1	RE02-07-864	0	0	88	2001
02-003(e)	02-600207	4.5–8.1	RE02-07-879	0	0	88	2001
02-003(e)	02-600207	9.5–11.4	RE02-07-865	0	0	99	2001

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-003(e)	02-600207	13.5–16.6	RE02-07-866	0	0	88	2001
02-003(e)	02-600208	0–0.5	RE02-07-868	0	0	27.3	1731
02-003(e)	02-600208	4.5–6.7	RE02-07-869	0	0	11	2000
02-003(e)	02-600208	9.5–11.6	RE02-07-870	0	0	11	2000
02-003(e)	02-600208	14.5–16.5	RE02-07-871	0	0	11	2000
02-003(e)	02-600209	0–0.5	RE02-07-873	0	0	18	1818
02-003(e)	02-600209	4.5–6.5	RE02-07-874	0	0	63.6	2070
02-003(e)	02-600209	9.5–11.9	RE02-07-875	0	0	63.6	2070
02-003(e)	02-600209	14.5–17.1	RE02-07-876	0	0	63.6	2070
02-004(a)	02-600378	0–0.5	RE02-07-1528	0	0	20	2040
02-004(a)	02-600378	0–0.5	RE02-07-6840	0	0	14.9	1960
02-004(a)	02-600378	9.5–10	RE02-07-6841	0	0	14.9	1960
02-004(a)	02-600378	9.5–12	RE02-07-1529	0	0	15	1563
02-004(a)	02-600378	12–15	RE02-07-1530	0	0	15	1563
02-004(a)	02-600378	13–14.5	RE02-07-6843	0	0	14.9	1960
02-004(a)	02-600379	0–0.5	RE02-07-1532	0	0	20	1781
02-004(a)	02-600379	0–0.5	RE02-07-1557	0	0	20	1781
02-004(a)	02-600379	0–0.5	RE02-07-6844	0	0	8.9	2350
02-004(a)	02-600379	9.5–10.5	RE02-07-6845	0	0	8.9	2350
02-004(a)	02-600379	9.5–14	RE02-07-1533	0	0	13.2	1806
02-004(a)	02-600379	10.5–11.5	RE02-07-6847	0	0	8.9	2350
02-004(a)	02-600380	0–0.5	RE02-07-1536	0	0	28.3	1770
02-004(a)	02-600380	0–0.5	RE02-07-6848	0	0	24.1	2520
02-004(a)	02-600380	9.5–10.5	RE02-07-6849	0	0	24.1	2520
02-004(a)	02-600380	9.5–12	RE02-07-1537	0	0	16	1044
02-004(a)	02-600380	11–12	RE02-07-6851	0	0	24.1	2520
02-004(a)	02-600381	0–0.5	RE02-07-1540	0	0	80.3	2910
02-004(a)	02-600381	7–10	RE02-07-1541	0	0	65.4	2860
02-004(a)	02-600381	16.5–20	RE02-07-1542	0	0	65.4	2860
02-004(a)	02-600381	16.5–20	RE02-07-1543	0	0	65.4	2890
02-004(a)	02-600382	0–0.5	RE02-07-1544	0	0	19.1	1684
02-004(a)	02-600382	0–0.5	RE02-07-6856	0	0	13.7	2390
02-004(a)	02-600382	9.5–10.5	RE02-07-6857	0	0	13.7	2390
02-004(a)	02-600382	9.5–12	RE02-07-1545	0	0	15	1596
02-004(a)	02-600382	12–13	RE02-07-6859	0	0	13.7	2390
02-004(a)	02-600382	12.5–16	RE02-07-1546	0	0	15	1596
02-004(a)	02-600383	0–0.5	RE02-07-1548	0	0	21	1640

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(a)	02-600383	0–0.5	RE02-07-6860	0	0	7.5	1346
02-004(a)	02-600383	9.5–10.5	RE02-07-6861	0	0	7.5	1946
02-004(a)	02-600383	9.5–12	RE02-07-1549	0	0	28.2	1573
02-004(a)	02-600383	13–18.5	RE02-07-1550	0	0	28.2	1573
02-004(a)	02-600383	15–18.5	RE02-07-6863	0	0	7.5	1946
02-004(a)	02-600383	15–18.5	RE02-07-6869	0	0	7.5	1946
02-004(a)	02-600384	0–0.5	RE02-07-1552	0	0	17	1710
02-004(a)	02-600384	0–0.5	RE02-07-6864	0	0	11.2	1958
02-004(a)	02-600384	9.5–10.5	RE02-07-6865	0	0	14.7	1915
02-004(a)	02-600384	9.5–10.5	RE02-07-6868	0	0	14.7	1915
02-004(a)	02-600384	9.5–13	RE02-07-1553	0	0	19	1290
02-004(a)	02-600384	13.5–17	RE02-07-1554	0	0	19	1290
02-004(a)	02-600384	15–17	RE02-07-6867	0	0	14.7	1915
02-004(a)	02-600409	0–0.5	RE02-07-1655	0	0	114.3	2520
02-004(a)	02-600409	0–0.5	RE02-07-1709	0	0	114.3	2520
02-004(a)	02-600409	4.5–9.5	RE02-07-1656	0	0	59	1787
02-004(a)	02-600409	9.5–14.5	RE02-07-1657	0	0.6	59	1787
02-004(a)	02-600409	14.5–24.5	RE02-07-1659	0	0	59	1787
02-004(a)	02-600409	14.5–24.5	RE02-07-1713	0	0	59	1787
02-004(a)	02-600410	0–0.5	RE02-07-1661	0	0	114.3	1678
02-004(a)	02-600410	4.5–9.5	RE02-07-1662	0	0.1	121.6	2610
02-004(a)	02-600411	0–0.5	RE02-07-1667	0	0	114.3	1559
02-004(a)	02-600411	4.5–7	RE02-07-1668	0	0	19.6	2780
02-004(a)	02-600411	9.5–14.5	RE02-07-1669	0	0	19.6	2780
02-004(a)	02-600411	14.5–21	RE02-07-1671	0	0.1	19.6	2780
02-004(a)	02-600412	0–0.5	RE02-07-1673	0	0	114.3	2310
02-004(a)	02-600412	4.5–9.5	RE02-07-1674	0	0	80.6	2350
02-004(a)	02-600412	9.5–12	RE02-07-1675	0	0	80.6	2350
02-004(a)	02-600413	0–0.5	RE02-07-1679	0	0	114.3	2310
02-004(a)	02-600413	4.5–9.5	RE02-07-1680	0	0	61.7	2870
02-004(a)	02-600413	9.5–14.5	RE02-07-1681	0	0	61.7	2870
02-004(a)	02-600413	14.5–22.5	RE02-07-1683	0	0	61.7	2870
02-004(a)	02-600413	14.5–22.5	RE02-07-1711	0	0	61.7	2870
02-004(a)	02-600414	0–0.5	RE02-07-1685	0	0	29.9	1558
02-004(a)	02-600414	0–0.5	RE02-07-1710	0	0	29.9	1558
02-004(a)	02-600414	4.5–9.5	RE02-07-1686	0	0	40.7	1808
02-004(a)	02-600414	9.5–14.5	RE02-07-1687	0	0	40.7	1808

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(a)	02-600414	14.5–20	RE02-07-1689	0	0	40.7	1808
02-004(a)	02-600414	14.5–20	RE02-07-1712	0	0	40.7	1808
02-004(a)	02-600415	0–0.5	RE02-07-1691	0	0	1.9	3330
02-004(a)	02-600415	4.5–5.1	RE02-07-1692	0	0	62.2	3330
02-004(a)	02-600415	9.5–14	RE02-07-1693	7.3	9.6	123.3	2560
02-004(a)	02-600415	14.5–16.6	RE02-07-1696	0	0	50.5	2160
02-004(a)	02-600415	19.5–21.7	RE02-07-1695	0	0	50.5	2160
02-004(a)	02-600416	0–0.5	RE02-07-1697	0	0	0	1864
02-004(a)	02-600416	9.5–14.5	RE02-07-1699	0	0	82.7	2060
02-004(a)	02-600416	14.5–19.5	RE02-07-1701	0	0	82.7	2060
02-004(a)	02-600416	14.5–19.5	RE02-07-1714	0	0	82.7	2060
02-004(a)	02-600417	0–0.5	RE02-07-1703	0	0	0	1864
02-004(a)	02-600417	4.5–9.5	RE02-07-1704	0	0	39.6	2230
02-004(a)	02-600417	13–15.5	RE02-07-1707	0	0	39.6	2230
02-004(a)	02-600456	0–0.5	RE02-07-1919	0	0	14.7	2070
02-004(a)	02-600456	10–14	RE02-07-1922	0	0	14.7	2070
02-004(a)	02-600456	14–19	RE02-07-1921	0	0	14.7	2070
02-004(a)	02-600457	0–0.5	RE02-07-1923	0	0	68	1480
02-004(a)	02-600457	9.5–14	RE02-07-1926	0	0	31.4	2170
02-004(a)	02-600457	14–19	RE02-07-1925	0	0	31.4	2170
02-004(a)	02-600458	0–0.5	RE02-07-1927	0	0	77	2800
02-004(a)	02-600458	9.5–14.5	RE02-07-1930	0	0	77	2800
02-004(a)	02-600458	15.5–19.5	RE02-07-1929	0	0	77	2800
02-004(a)	02-600459	0–0.5	RE02-07-1931	0	0	77	2800
02-004(a)	02-600459	9.5–14	RE02-07-1934	0	0	77	2800
02-004(a)	02-600459	15–19	RE02-07-1933	0	0	77	2800
02-004(a)	02-600460	0–2.3	RE02-07-1935	0	0	39.7	2160
02-004(a)	02-600460	15.5–20	RE02-07-1937	0	0	80.3	2310
02-004(a)	02-600460	15.5–20	RE02-07-1971	0	0	80.3	2310
02-004(a)	02-600461	0–0.5	RE02-07-1939	0	0	91	1930
02-004(a)	02-600461	9.5–14	RE02-07-1941	0	0	91	1930
02-004(a)	02-600462	0–0.5	RE02-07-1943	0	0	89	1914
02-004(a)	02-600462	9.5–14	RE02-07-1946	0	0	89	1914
02-004(a)	02-600462	15–20	RE02-07-1945	0	0	89	1914
02-004(a)	02-600462	15–20	RE02-07-1973	0	0	89	1914
02-004(a)	02-600463	0–0.5	RE02-07-1947	0	0	75	1642
02-004(a)	02-600464	0–0.5	RE02-07-1951	0	0	44.7	2050

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(a)	02-600465	0–0.5	RE02-07-1955	0	0	14.25	1527
02-004(a)	02-600465	9.5–17	RE02-07-1957	0	0	14.25	1527
02-004(a)	02-600465	9.5–17	RE02-07-1974	0	0	14.25	1527
02-004(a)	02-600466	0–0.5	RE02-07-1959	0	0	1741	32
02-004(a)	02-600466	10–15	RE02-07-1961	0	0	32	1741
02-004(a)	02-600467	0–0.8	RE02-07-1963	0	0	213	3350
02-004(a)	02-600467	9.5–10	RE02-07-1964	0	0	213	3350
02-004(a)	02-600467	9.5–10	RE02-07-1972	0	0	213	3350
02-004(a)	02-600467	10–12.5	RE02-07-1965	0	0	69.4	2660
02-004(a)	02-600468	0–1.9	RE02-07-1967	0	0	36.5	1937
02-004(a)	02-600468	0–1.9	RE02-07-1975	0	0	36.5	1937
02-004(a)	02-600580	0–0.5	RE02-07-2584	0	0	38.3	2310
02-004(a)	02-600580	11–16	RE02-07-2586	0	0	38.3	2310
02-004(a)	02-600581	0–0.5	RE02-07-2589	0	0	40.6	2120
02-004(a)	02-600581	9.5–10	RE02-07-6930	0	0	19.5	2060
02-004(a)	02-600581	9.5–13	RE02-07-2592	0	0	40.6	2120
02-004(a)	02-600581	13.5–14.5	RE02-07-6931	0	0	19.5	2060
02-004(a)	02-600581	14–16	RE02-07-2591	0	0	40.6	2120
02-004(a)	02-600582	0–0.5	RE02-07-2594	0	0	45	2260
02-004(a)	02-600582	0–0.5	RE02-07-2611	0	0	45	2260
02-004(a)	02-600583	0–1.5	RE02-07-2599	0	0	37.8	2690
02-004(a)	02-600583	8.5–10	RE02-07-2601	0	0	37.8	2690
02-004(a)	02-600583	15.5–20	RE02-07-2602	0	2.3	32	1732
02-004(a)	02-600583	15.5–20	RE02-07-2609	0	2.3	32	1732
02-004(a)	02-600584	1.5–2	RE02-07-6932	0	0	11.6	2070
02-004(a)	02-600584	1.5–3.3	RE02-07-2604	0	0	42.2	2200
02-004(a)	02-600584	9.5–10	RE02-07-6933	0	0	11.6	2070
02-004(a)	02-600584	9.5–11.7	RE02-07-2605	0	0	42.2	2200
02-004(a)	02-600584	16.5–18.5	RE02-07-6934	0	0	11.6	2070
02-004(a)	02-600584	16.5–21	RE02-07-2606	0	0	42.2	2200
02-004(a)	02-600584	16.5–21	RE02-07-2610	0	0	42.2	2200
02-004(b,c,d)	02-600508	0–0.5	RE02-07-2222	0	0	82.9	2560
02-004(b,c,d)	02-600508	13–15	RE02-07-2224	0	3.1	48.3	2250
02-004(b,c,d)	02-600508	13–15	RE02-07-2239	0	3.1	48.3	2250
02-004(b,c,d)	02-600509	0–0.5	RE02-07-2226	0	0	82.9	2560
02-004(b,c,d)	02-600509	9.5–15	RE02-07-2228	0	0	54.6	3010
02-004(b,c,d)	02-600510	0–0.5	RE02-07-2230	0	1	75.1	2340

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(b,c,d)	02-600511	0–0.5	RE02-07-2234	0	0	75.1	2340
02-004(b,c,d)	02-600511	14–19	RE02-07-2237	0	0	49.4	1964
02-004(b,c,d)	02-600511	14–19	RE02-07-2238	0	0	49.4	1964
02-004(b,c,d)	02-600526	0–0.5	RE02-07-2320	0	0	63	2420
02-004(b,c,d)	02-600526	9.5–12	RE02-07-2321	0	0	12.1	1958
02-004(b,c,d)	02-600527	0–0.5	RE02-07-2324	0	0	63	2420
02-004(b,c,d)	02-600527	0–0.5	RE02-07-2332	0	0	63	2420
02-004(b,c,d)	02-600527	9.5–14	RE02-07-2325	0	0	128.7	1874
02-004(b,c,d)	02-600528	0–0.5	RE02-07-2328	0	0	63	2420
02-004(b,c,d)	02-600528	9.5–17.3	RE02-07-2329	0	0	52.5	1903
02-004(b,c,d)	02-600528	17.4–23	RE02-07-2330	0	0	52.5	1903
02-004(b,c,d)	02-600528	17.4–23	RE02-07-2333	0	0	52.5	1903
02-004(b,c,d)	02-600545	0–0.5	RE02-07-2434	0	0	30	2370
02-004(b,c,d)	02-600545	9.5–14.3	RE02-07-2435	0	0	26.2	2150
02-004(b,c,d)	02-600545	14.3–18.5	RE02-07-2437	0	0	26.2	2150
02-004(b,c,d)	02-600545	14.3–18.5	RE02-07-2442	0	0	26.2	2150
02-004(b,c,d)	02-600546	0–0.5	RE02-07-2438	0	0	0	2370
02-004(b,c,d)	02-600546	9.5–11	RE02-07-2439	0	0	61.6	2100
02-004(e)	02-600537	0–0.5	RE02-07-2390	0	0	62.5	2100
02-004(e)	02-600537	9.5–14.5	RE02-07-2391	0	0	43.1	2200
02-004(e)	02-600537	15–19.5	RE02-07-2392	0	0	100	2400
02-004(e)	02-600537	15–19.5	RE02-07-2402	0	0	100	2400
02-004(e)	02-600538	0–0.5	RE02-07-2394	0	0	43.1	2200
02-004(e)	02-600538	14.5–16	RE02-07-2396	0	0	68.3	2060
02-004(e)	02-600539	0–0.5	RE02-07-2398	0	0	103	2630
02-004(e)	02-600539	9.5–12.8	RE02-07-2399	0	0	103	2630
02-004(e)	02-600539	12.8–17.5	RE02-07-2400	0	0	103	2630
02-004(e)	02-600539	12.8–17.5	RE02-07-2403	0	0	103	2630
02-004(f)	02-600469	0–0.5	RE02-07-1989	0	0	30.2	2140
02-004(f)	02-600469	4.5–9.5	RE02-07-1990	0	0	44.9	1819
02-004(f)	02-600469	17–19.5	RE02-07-1992	0	0	34.9	1955
02-004(f)	02-600470	0–0.5	RE02-07-1993	0	0	44.7	2390
02-004(f)	02-600470	4.5–7.5	RE02-07-1994	0	0	57.1	1931
02-004(f)	02-600471	0–0.5	RE02-07-1997	0	0	89.2	2740
02-004(f)	02-600471	4.5–10	RE02-07-1998	0	0	36	2190
02-004(f)	02-600471	18–25	RE02-07-1999	0	0	36	2190
02-004(f)	02-600471	18–25	RE02-07-2041	0	0	36	2190

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(f)	02-600472	0–0.5	RE02-07-2001	0	0	53.7	2610
02-004(f)	02-600472	4.5–9	RE02-07-2002	0	0	50	1937
02-004(f)	02-600472	21–23	RE02-07-2003	0	0	50	1937
02-004(f)	02-600473	0–0.5	RE02-07-2005	0	0	87.3	2440
02-004(f)	02-600473	4.5–13	RE02-07-2006	0	0	13	1331
02-004(f)	02-600473	13–18	RE02-07-2007	0	0	13	1331
02-004(f)	02-600473	18–23	RE02-07-2008	0	0	13	1331
02-004(f)	02-600473	18–23	RE02-07-2040	0	0	13	1331
02-004(f)	02-600474	0–0.5	RE02-07-2009	0	4	42	2350
02-004(f)	02-600474	4.5–10	RE02-07-2010	0	0	29.8	2310
02-004(f)	02-600474	16.5–19	RE02-07-2011	0	0	29.8	2310
02-004(f)	02-600475	0–0.5	RE02-07-2013	0	0	44.1	2730
02-004(f)	02-600475	4–5	RE02-07-2014	0	0	49.1	2120
02-004(f)	02-600475	16–18.5	RE02-07-2015	0	0	49.1	2120
02-004(f)	02-600476	0–0.5	RE02-07-2017	0	0	42.3	2510
02-004(f)	02-600476	4.5–9	RE02-07-2018	0	0	26.4	2040
02-004(f)	02-600476	20–25	RE02-07-2019	0	0	26.4	2040
02-004(f)	02-600476	20–25	RE02-07-2039	0	0	26.4	2040
02-004(f)	02-600477	0–0.5	RE02-07-2021	0	0	81.2	2690
02-004(f)	02-600477	4.5–9	RE02-07-2022	0	0	40.7	2080
02-004(f)	02-600477	23–25	RE02-07-2023	0	0	34.9	2170
02-004(f)	02-600478	0–0.5	RE02-07-2025	0	0	98.8	2320
02-004(f)	02-600478	0–0.5	RE02-07-2037	0	0	98.8	2320
02-004(f)	02-600478	4.5–9.5	RE02-07-2026	0	0	54.2	2380
02-004(f)	02-600478	4.5–9.5	RE02-07-2038	0	0	54.2	2380
02-004(f)	02-600478	14–18.8	RE02-07-2028	0	0	54.2	2380
02-004(f)	02-600478	18.8–20.5	RE02-07-2027	0	0	54.2	2380
02-004(f)	02-600479	0–0.5	RE02-07-2029	0	0	110.6	2410
02-004(f)	02-600479	5–10	RE02-07-2030	0	0	110.6	2410
02-004(f)	02-600479	12.6–16.5	RE02-07-2031	0	0	110.6	2410
02-004(f)	02-600480	0–0.5	RE02-07-2033	0	0	110.6	2410
02-004(f)	02-600480	4.5–10	RE02-07-2034	0	0	50.5	2160
02-004(f)	02-600480	12.5–15	RE02-07-2035	0	0	84.8	2410
02-004(f)	02-600564	0–0.5	RE02-07-2515	0	0	51.9	2080
02-004(f)	02-600564	9.5–14.5	RE02-07-2516	0	0	51.9	2080
02-004(f)	02-600564	14.5–22	RE02-07-2517	0	0	51.9	2080
02-004(f)	02-600564	14.5–22	RE02-07-2552	0	0	51.9	2080

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(f)	02-600565	0–0.5	RE02-07-2519	0	0	61	2100
02-004(f)	02-600565	9.5–15	RE02-07-2520	0	0	61	2100
02-004(f)	02-600565	16–21	RE02-07-2521	0	0	64.3	3030
02-004(f)	02-600566	0–0.5	RE02-07-2523	0	0	64	3380
02-004(f)	02-600566	14.5–20	RE02-07-2525	0	0	81	1981
02-004(f)	02-600566	14.5–20	RE02-07-2551	0	0	81	1981
02-004(f)	02-600567	0–0.5	RE02-07-2527	0.8	1.6	31.8	1821
02-004(f)	02-600568	0–0.5	RE02-07-2531	0	0	15	1854
02-004(f)	02-600568	9.5–10.9	RE02-07-2532	0	0	15	1854
02-004(f)	02-600568	15–18.3	RE02-07-2533	0	0	18	1854
02-004(f)	02-600569	0–0.5	RE02-07-2535	0	0	26	1326
02-004(f)	02-600569	9.5–12.7	RE02-07-2536	0	0	26	1326
02-004(f)	02-600569	9.5–12.7	RE02-07-2553	0	0	26	1326
02-004(f)	02-600570	0–0.5	RE02-07-2539	0	0	16	1368
02-004(f)	02-600570	0–0.5	RE02-07-2554	0	0	16	1368
02-004(f)	02-600570	9.5–11.9	RE02-07-2540	0	0	62	2400
02-004(f)	02-600570	14.5–16.7	RE02-07-2541	0	0	62	2400
02-004(f)	02-600571	0–0.5	RE02-07-2543	0	0	36	1884
02-004(f)	02-600571	9.5–11.7	RE02-07-2544	0	0	20.7	1675
02-004(f)	02-600571	11.7–15.5	RE02-07-2545	0	0	20.7	1675
02-004(f)	02-600572	0–0.5	RE02-07-2547	0	0	15	1930
02-004(f)	02-600572	9.5–11.7	RE02-07-2548	0	0	41.5	1528
02-004(f)	02-600572	19.5–21.7	RE02-07-2549	0	0	41.5	1528
02-004(g)	02-600489	0–0.5	RE02-07-2101	0	0	38.8	1958
02-004(g)	02-600490	0.8–1.8	RE02-07-6824	0	0	39.6	2400
02-004(g)	02-600490	4.5–9	RE02-07-2106	0	0	75.4	1570
02-004(g)	02-600490	4.5–9	RE02-07-2140	0	0	75.4	1570
02-004(g)	02-600490	14.5–19.5	RE02-07-2107	0	0	75.4	1570
02-004(g)	02-600491	0–0.5	RE02-07-2109	0	0	50.4	2200
02-004(g)	02-600491	4.5–9	RE02-07-2110	0	0	43.7	2020
02-004(g)	02-600491	15.5–19.5	RE02-07-2111	0	0	43.7	2020
02-004(g)	02-600492	0–0.5	RE02-07-6825	0	0	39.1	2910
02-004(g)	02-600492	4.5–9.5	RE02-07-2114	0	0	37	1751
02-004(g)	02-600492	14.5–19.5	RE02-07-2115	0	0	37	1751
02-004(g)	02-600493	0.9–1.4	RE02-07-6826	0	0	19	2470
02-004(g)	02-600493	4.5–9.5	RE02-07-2118	0	0	37	1751
02-004(g)	02-600493	19–22	RE02-07-2119	0	0	59.1	1629

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-004(g)	02-600494	0–0.5	RE02-07-6827	0	0	20.1	2640
02-004(g)	02-600494	4.5–14.5	RE02-07-2122	0	0	37	1751
02-004(g)	02-600494	14.5–22	RE02-07-2123	0	0	37	1751
02-004(g)	02-600494	14.5–22	RE02-07-2138	0	0	37	1751
02-004(g)	02-600495	0–0.5	RE02-07-2125	0	0	72.4	1968
02-004(g)	02-600496	0–0.5	RE02-07-2129	0	0	34.4	2240
02-004(g)	02-600497	0–0.5	RE02-07-2133	0	0	29.8	2310
02-004(g)	02-600497	4.5–7.5	RE02-07-2134	0	0	60.2	1843
02-004(g)	02-600497	15–18.5	RE02-07-2135	0	0	60.2	1843
02-004(g)	02-600497	15–18.5	RE02-07-2139	0	0	60.2	1843
02-005	02-600547	0–0.5	RE02-07-2445	0	0	106.9	2049
02-005	02-600547	2–2.5	RE02-07-2446	0	0	158	3035
02-005	02-600548	0–0.5	RE02-07-2448	0	0	25.7	3140
02-005	02-600549	0–0.5	RE02-07-2451	0	0	104.9	2960
02-005	02-600550	0–0.5	RE02-07-2454	0	0	100	3530
02-005	02-600551	0–0.5	RE02-07-2457	0	0	81.9	3520
02-005	02-600552	0–0.5	RE02-07-2460	0	0	33	2065
02-005	02-600553	0–0.5	RE02-07-2463	0	0	64.3	2750
02-005	02-600553	0–0.5	RE02-07-2495	0	0	64.3	2750
02-005	02-600553	2–4.5	RE02-07-2464	0	0	28	1698
02-005	02-600553	4.5–7	RE02-07-2465	0	0	28	1628
02-005	02-600554	0–1.1	RE02-07-2466	0	0	87.8	2070
02-005	02-600554	2–3	RE02-07-2467	0	0	87.8	2070
02-005	02-600554	4.5–5	RE02-07-2468	0	0	87.8	2070
02-005	02-600555	0–1.1	RE02-07-2469	0	0	32.5	1927
02-005	02-600555	2–2.5	RE02-07-2470	0	0	35.1	2170
02-005	02-600556	0–0.5	RE02-07-2472	0	0	109.3	2870
02-005	02-600556	2–3	RE02-07-2473	0	0	109.3	2870
02-005	02-600557	0–0.5	RE02-07-2475	0	0	59	2670
02-005	02-600558	0–0.5	RE02-07-2478	0	0	71	2890
02-005	02-600558	2–2.5	RE02-07-2479	0	0	71	2890
02-005	02-600558	4.5–5	RE02-07-2480	0	0	71	2890
02-005	02-600559	0–0.5	RE02-07-2481	0	0	65.6	2470
02-005	02-600559	2–2.5	RE02-07-2482	0	0	65.6	2470
02-005	02-600559	2–2.5	RE02-07-2494	0	0	65.6	2470
02-005	02-600560	0–0.5	RE02-07-2484	0	0	26.3	1589
02-005	02-600560	2–3	RE02-07-2485	0	0	26.3	1589

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-005	02-600560	4.5–5	RE02-07-2486	0	0	26.3	1589
02-005	02-600561	0–0.5	RE02-07-2487	0	0	53	2420
02-005	02-600562	0–0.5	RE02-07-2490	0	0	26.3	1589
02-006(a)	02-600247	0–0.5	RE02-07-1025	0	0	89	2910
02-006(a)	02-600247	0.8–1.6	RE02-07-1030	0	0	89	2910
02-006(a)	02-600247	4.5–6.6	RE02-07-1026	0	0	61	2140
02-006(a)	02-600247	9.5–11.6	RE02-07-1027	0	0	61	2140
02-006(a)	02-600247	14.5–17	RE02-07-1028	0	0	61	2140
02-006(a)	02-600247	19.5–22	RE02-07-1029	0	0	61	2140
02-006(a)	02-600248	0–0.5	RE02-07-1031	0	0	61	2910
02-006(a)	02-600248	1–1.9	RE02-07-1036	0	0	61	2910
02-006(a)	02-600248	4.5–6.5	RE02-07-1032	0	0	30	2860
02-006(a)	02-600248	9.5–11.7	RE02-07-1033	0	0	30	2860
02-006(a)	02-600248	14.5–16.5	RE02-07-1034	0	0	30	2860
02-006(a)	02-600248	19.5–21.7	RE02-07-1035	0	0	30	2860
02-006(a)	02-600249	0–0.5	RE02-07-1037	0	0	61	2910
02-006(a)	02-600249	1.4–3.1	RE02-07-1042	0	0	107.5	1356
02-006(a)	02-600249	1.4–3.1	RE02-07-1097	0	0	107.5	1356
02-006(a)	02-600249	4.5–6.7	RE02-07-6673	0	0	6.1	1630
02-006(a)	02-600249	9.5–11.7	RE02-07-6672	0	0	6.1	1630
02-006(a)	02-600249	14.5–16.7	RE02-07-6671	0	0	6.1	1680
02-006(a)	02-600249	19.5–21.7	RE02-07-6674	0	0	6.1	1630
02-006(a)	02-600250	0–0.5	RE02-07-1043	0	0	51	2590
02-006(a)	02-600250	0.5–1.2	RE02-07-1048	0	0	51	2590
02-006(a)	02-600250	4.5–6.7	RE02-07-1044	0	0	50	2370
02-006(a)	02-600250	9.5–13.4	RE02-07-1045	0	0	50	2370
02-006(a)	02-600250	9.5–13.4	RE02-07-1101	0	0	50	2370
02-006(a)	02-600250	14.5–17	RE02-07-1046	0	0	50	2370
02-006(a)	02-600250	19.5–21.7	RE02-07-1047	0	0	50	2370
02-006(a)	02-600251	0–0.6	RE02-07-1049	0	0	41	2790
02-006(a)	02-600251	0.6–1.4	RE02-07-1054	0	0	41	2790
02-006(a)	02-600251	4.5–8.5	RE02-07-1050	0	0	30	2780
02-006(a)	02-600251	9.5–14.5	RE02-07-1051	0	0	30	2780
02-006(a)	02-600251	9.5–14.5	RE02-07-1099	0	0	30	2780
02-006(a)	02-600251	14.5–18.5	RE02-07-1052	0	0	30	2780
02-006(a)	02-600251	19.5–23.5	RE02-07-1053	0	0	30	2780
02-006(a)	02-600252	0–0.8	RE02-07-1055	0	0	61	2910

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-006(a)	02-600252	0.8–1.5	RE02-07-1060	0	0	61	2910
02-006(a)	02-600252	4.5–6.5	RE02-07-1056	0	0	61	2910
02-006(a)	02-600252	9.5–11.7	RE02-07-1057	0	0	85	2460
02-006(a)	02-600252	14.5–18.2	RE02-07-1058	0	0	35	2460
02-006(a)	02-600252	14.5–18.2	RE02-07-1100	0	0	35	2460
02-006(a)	02-600252	19.5–21.5	RE02-07-1059	0	0	35	2460
02-006(a)	02-600253	0–0.5	RE02-07-1061	0	0	40	2530
02-006(a)	02-600253	2–3	RE02-07-1066	0	0	40	2530
02-006(a)	02-600253	4.5–6.7	RE02-07-1062	0	0	26	1262
02-006(a)	02-600253	9.5–11.7	RE02-07-1063	0	0	26	1262
02-006(a)	02-600253	14.5–16.7	RE02-07-1064	0	0	26	1262
02-006(a)	02-600253	19.5–21.7	RE02-07-1065	0	0	26	1262
02-006(a)	02-600254	0–0.5	RE02-07-1067	0	0	51	2460
02-006(a)	02-600254	1.6–2.5	RE02-07-1072	0	0	51	2460
02-006(a)	02-600254	4.5–7.5	RE02-07-1068	0	0	20	2130
02-006(a)	02-600254	4.5–7.5	RE02-07-1102	0	0	20	2130
02-006(a)	02-600254	9.5–11.7	RE02-07-1069	0	0	20	2130
02-006(a)	02-600254	14.5–16.7	RE02-07-1070	0	0	20	2130
02-006(a)	02-600254	19.5–21.7	RE02-07-1071	0	0	20	2130
02-006(a)	02-600255	0–0.5	RE02-07-1073	0	0	35	2790
02-006(a)	02-600255	0.5–1.5	RE02-07-1078	0	0	35	2790
02-006(a)	02-600255	4.5–9.5	RE02-07-1074	0	0	66	2640
02-006(a)	02-600255	9.5–14	RE02-07-1075	0	0	66	2640
02-006(a)	02-600255	14.5–19	RE02-07-1076	0	0	66	2640
02-006(a)	02-600255	19.5–23.5	RE02-07-1077	0	0	66	2640
02-006(a)	02-600256	0–0.5	RE02-07-1079	0	0	71	2780
02-006(a)	02-600256	0.5–1.9	RE02-07-1084	0	0	71	2780
02-006(a)	02-600256	0.5–1.9	RE02-07-1098	0	0	71	2780
02-006(a)	02-600256	4.5–8.5	RE02-07-1080	0	0	56	2900
02-006(a)	02-600256	9.5–13.5	RE02-07-1081	0	0	56	2900
02-006(a)	02-600256	14.5–18.5	RE02-07-1082	0	0	56	2900
02-006(a)	02-600256	19.5–23.5	RE02-07-1083	0	0	56	2900
02-006(a)	02-600257	0–0.8	RE02-07-1085	0	0	30	2350
02-006(a)	02-600257	0.8–2.1	RE02-07-1090	0	0	30	2350
02-006(a)	02-600257	4.5–6.7	RE02-07-1086	0	0	30	2350
02-006(a)	02-600257	9.5–11.7	RE02-07-1087	0	0	26	1262
02-006(a)	02-600257	14.5–16.7	RE02-07-1088	0	0	26	1262

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-006(a)	02-600257	19.5–21.7	RE02-07-1089	0	0	26	1262
02-006(a)	02-600258	0–0.5	RE02-07-1091	0	0	30	2350
02-006(a)	02-600258	0.8–2	RE02-07-1096	0	0	24	1840
02-006(a)	02-600258	4.5–7.5	RE02-07-1092	0	0	24	1840
02-006(a)	02-600258	4.5–7.5	RE02-07-1103	0	0	24	1840
02-006(a)	02-600258	9.5–11.7	RE02-07-1093	0	0	24	1840
02-006(a)	02-600258	14.5–16.7	RE02-07-1094	0	0	24	1840
02-006(a)	02-600258	19.5–21.7	RE02-07-1095	0	0	24	1840
02-006(b)	02-600351	0–0.5	RE02-07-1407	0	0	63.8	2270
02-006(b)	02-600351	0–0.5	RE02-07-1492	0	0	63.8	2270
02-006(b)	02-600351	4.5–6.9	RE02-07-1408	0	0	28	1456
02-006(b)	02-600351	9.5–14.5	RE02-07-1410	0	0	28	1456
02-006(b)	02-600351	17–22.5	RE02-07-1409	0	0	28	1456
02-006(b)	02-600351	17–22.5	RE02-07-1493	0	0	28	1456
02-006(b)	02-600352	0–0.5	RE02-07-1412	0	0	41.6	2140
02-006(b)	02-600352	4.5–9	RE02-07-1413	0	0	57	2460
02-006(b)	02-600352	9–15	RE02-07-1415	0	0	57	2460
02-006(b)	02-600352	18.5–21	RE02-07-1414	0	0	57	2460
02-006(b)	02-600353	0–0.5	RE02-07-1417	0	0	58.2	2230
02-006(b)	02-600353	4.5–9	RE02-07-1418	1.6	1.2	73	2720
02-006(b)	02-600353	9–14	RE02-07-1420	0.5	0	73	2720
02-006(b)	02-600353	19–22	RE02-07-1419	0	0	43.6	2270
02-006(b)	02-600354	0–0.5	RE02-07-1422	0	1	54.3	2160
02-006(b)	02-600354	4.5–9	RE02-07-1423	0	0	151	2680
02-006(b)	02-600354	4.5–9	RE02-07-1494	0	0	151	2650
02-006(b)	02-600354	9–14	RE02-07-1425	0	0	151	2680
02-006(b)	02-600354	14–19	RE02-07-1424	0	0	151	2680
02-006(b)	02-600355	0–0.5	RE02-07-1427	0	0	28.9	2270
02-006(b)	02-600355	4.5–9	RE02-07-1428	0	0	41	2140
02-006(b)	02-600355	9–15	RE02-07-1429	0	0	41	2140
02-006(b)	02-600356	0–0.5	RE02-07-1432	0	0	63.7	1924
02-006(b)	02-600356	4.5–9	RE02-07-1433	0	0	67	2110
02-006(b)	02-600357	0–0.5	RE02-07-1437	0	0	35.8	1780
02-006(b)	02-600357	4.5–9	RE02-07-1438	0	0	57	2820
02-006(b)	02-600357	14–17	RE02-07-1440	0	0	57	2820
02-006(b)	02-600357	17–19	RE02-07-1439	0	0	57	2820
02-006(b)	02-600358	0–0.5	RE02-07-1442	0	0	28.9	2270

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-006(b)	02-600358	4.5–9	RE02-07-1443	0	0	67	2810
02-006(b)	02-600358	9–14	RE02-07-1445	0	0	67	2810
02-006(b)	02-600358	14–19	RE02-07-1444	0	0	67	2810
02-006(b)	02-600359	0–0.5	RE02-07-1447	0	0	33	1738
02-006(b)	02-600359	4.5–9	RE02-07-1448	0	0	89	2600
02-006(b)	02-600359	9–14	RE02-07-1450	0	0	89	2600
02-006(b)	02-600359	20–22	RE02-07-1449	0	0	89	2600
02-006(b)	02-600360	0–0.5	RE02-07-1452	0	0	48.8	2160
02-006(b)	02-600360	4.5–9	RE02-07-1453	0	0	71	3180
02-006(b)	02-600360	9–14	RE02-07-1454	0	0	71	3180
02-006(b)	02-600361	0–0.5	RE02-07-1457	0	0	0	1645
02-006(b)	02-600361	4.5–7.5	RE02-07-1458	0	0	31	995
02-006(b)	02-600361	8.5–13.5	RE02-07-1460	0	0	31	995
02-006(b)	02-600361	18.5–21	RE02-07-1459	0	0	31	995
02-006(b)	02-600362	0–0.5	RE02-07-1462	0	0	47.5	2410
02-006(b)	02-600362	4.5–9	RE02-07-1463	0	0	57	2390
02-006(b)	02-600362	9–14	RE02-07-1465	0	0	89	2600
02-006(b)	02-600362	14–19	RE02-07-1464	0	0	89	2600
02-006(b)	02-600363	0–0.5	RE02-07-1467	0	0	19.7	2050
02-006(b)	02-600363	4.5–8.5	RE02-07-1468	0	0	47	2770
02-006(b)	02-600363	8.5–18	RE02-07-1470	0	0	47	2770
02-006(b)	02-600363	8.5–18	RE02-07-1491	0	0	47	2770
02-006(b)	02-600363	18.5–20.5	RE02-07-1469	0	0	47	2770
02-006(b)	02-600364	0–0.5	RE02-07-1472	0	0	63.8	2270
02-006(b)	02-600364	4.5–6.5	RE02-07-1473	0	18.6	79.2	1801
02-006(b)	02-600364	9.5–15	RE02-07-1475	0	0	79.7	1801
02-006(b)	02-600364	15–19.5	RE02-07-1474	0	0	79.2	1801
02-006(b)	02-600365	0–0.5	RE02-07-1477	0	0	74	2170
02-006(b)	02-600365	4.5–7	RE02-07-1478	0	0	19.9	1179
02-006(b)	02-600365	9.5–11.4	RE02-07-1480	0	0	19.9	1179
02-006(b)	02-600365	17.5–20	RE02-07-1479	0	0	19.9	1179
02-006(b)	02-600366	0–0.5	RE02-07-1482	0	0	51.2	2220
02-006(b)	02-600366	4.5–9	RE02-07-1483	0	0	72	2770
02-006(b)	02-600366	9–14	RE02-07-1485	0	0	72	2770
02-006(b)	02-600366	14–19	RE02-07-1484	0	0	72	2770
02-006(b)	02-600367	0–0.5	RE02-07-1486	0	0	74	2170
02-006(c)	02-600585	0–0.5	RE02-07-2618	0	0	106	2666

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-006(c)	02-600585	4.5–9	RE02-07-2619	0	0	106	2666
02-006(c)	02-600585	9–14	RE02-07-2621	0	0	106	2666
02-006(c)	02-600586	0–0.5	RE02-07-2622	0	0	67	2330
02-006(c)	02-600586	4.5–9	RE02-07-2623	0	0	67	2330
02-006(c)	02-600586	9–14	RE02-07-2625	0	0	67	2330
02-006(c)	02-600586	14–19	RE02-07-2624	0	0	67	2330
02-006(c)	02-600587	0–0.5	RE02-07-2626	0	0	18	1785
02-006(c)	02-600587	12.5–18	RE02-07-2628	0	0	46	3010
02-006(c)	02-600588	0–0.5	RE02-07-2630	0.1	1.1	42.5	2640
02-006(c)	02-600588	4.5–10	RE02-07-2631	0	0	81	3250
02-006(c)	02-600588	11.5–13	RE02-07-2633	0	0	81	3250
02-006(c)	02-600589	0–0.5	RE02-07-2634	0	0	0	2009
02-006(c)	02-600589	4.5–9.5	RE02-07-2635	0	0	40	2930
02-006(c)	02-600589	9.5–13	RE02-07-2637	0	0	40	2930
02-006(c)	02-600590	0–0.5	RE02-07-2638	0	0	248	3970
02-006(c)	02-600590	4.5–7.2	RE02-07-2639	0	0	77	4380
02-006(c)	02-600590	9.5–11.7	RE02-07-2641	0	0	77	4380
02-006(c)	02-600590	14.5–16.9	RE02-07-2640	0	0	77	4380
02-006(c)	02-600591	0–0.5	RE02-07-2642	0	0	28.2	1707
02-006(c)	02-600591	4.5–9	RE02-07-2643	0	0	23.6	1508
02-006(c)	02-600591	14–19	RE02-07-2644	0	0	23.6	1508
02-006(c)	02-600591	14–19	RE02-07-2647	0	0	23.6	1508
02-006(e)	02-600282	0–0.5	RE02-07-1218	0	0	76.6	2250
02-006(e)	02-600282	4.5–7	RE02-07-1219	0	0	16.31	1561
02-006(e)	02-600282	9.5–11.7	RE02-07-1222	0	0	16.3	1561
02-006(e)	02-600282	13–18	RE02-07-1221	0	0	16.3	1561
02-006(e)	02-600282	13–18	RE02-07-1277	0	0	16.3	1861
02-006(e)	02-600283	0–0.5	RE02-07-1223	0	0	76.6	2250
02-006(e)	02-600283	0–0.5	RE02-07-1274	0	0	76.6	2250
02-006(e)	02-600283	4.5–6.5	RE02-07-1224	0	0.9	74.3	2550
02-006(e)	02-600283	9–10.2	RE02-07-1226	0	0	117.2	2520
02-006(e)	02-600283	11.3–15.5	RE02-07-1225	0	0	117.2	2520
02-006(e)	02-600284	0–0.5	RE02-07-1228	0	0	76.6	2250
02-006(e)	02-600284	4.5–9	RE02-07-1229	0	0	114.3	1326
02-006(e)	02-600284	9.5–12	RE02-07-1232	0	0	114.3	1326
02-006(e)	02-600284	14.3–16.5	RE02-07-1231	0	0	114.3	1326
02-006(e)	02-600285	0–0.5	RE02-07-1233	0	0	28.2	2410

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-006(e)	02-600285	4.5–5.3	RE02-07-1234	0	0	123.3	2560
02-006(e)	02-600285	14–17	RE02-07-1236	0	0	123.3	2560
02-006(e)	02-600285	21–25	RE02-07-1235	0	0.7	123.3	2560
02-006(e)	02-600285	21–25	RE02-07-1273	0	0	123.3	2560
02-006(e)	02-600286	0–0.5	RE02-07-1238	0	0	80.9	2840
02-006(e)	02-600286	3–5	RE02-07-1239	0	0	80.9	2840
02-006(e)	02-600286	7.5–10	RE02-07-1240	0	0	123.3	2560
02-006(e)	02-600286	12.5–16.5	RE02-07-1242	0	0	123.3	2560
02-006(e)	02-600286	18.8–19.5	RE02-07-1241	0	0	123.3	2560
02-006(e)	02-600287	0–0.5	RE02-07-1243	0	0	76.6	2250
02-006(e)	02-600287	4.5–7	RE02-07-1244	0	0	18.3	1450
02-006(e)	02-600287	10–14.2	RE02-07-1246	0	0	18.3	1450
02-006(e)	02-600287	14.2–17	RE02-07-1245	0	0	18.3	1450
02-006(e)	02-600288	0–0.5	RE02-07-1248	0	0	69.9	3020
02-006(e)	02-600288	4.5–7	RE02-07-1249	0	0	73.4	2190
02-006(e)	02-600288	8–11	RE02-07-1251	0	0	73.4	2190
02-006(e)	02-600288	13–15	RE02-07-1250	0	0	73.4	2190
02-006(e)	02-600289	0–0.5	RE02-07-1253	0	0	79.6	2210
02-006(e)	02-600289	4.5–6.3	RE02-07-1254	0	0	73.4	2190
02-006(e)	02-600289	10–14.5	RE02-07-1255	0	0	73.4	2190
02-006(e)	02-600289	10–14.5	RE02-07-1275	0	0	73.4	2190
02-006(e)	02-600290	0–0.5	RE02-07-1258	0	0	76.6	2250
02-006(e)	02-600290	4.5–6.7	RE02-07-1259	0	0	0	1434
02-006(e)	02-600290	9.5–13	RE02-07-1261	0	0	0	1434
02-006(e)	02-600290	13.2–18	RE02-07-1260	0	0	0	1434
02-006(e)	02-600290	13.2–18	RE02-07-1276	0	0	0	1434
02-006(e)	02-600291	0–0.5	RE02-07-1263	0	0	21.3	2250
02-006(e)	02-600291	4–8	RE02-07-1264	0	0	21.3	2250
02-006(e)	02-600291	9–11	RE02-07-1266	0	0	21.3	2250
02-006(e)	02-600291	11–16	RE02-07-1265	0	0	21.3	2250
02-006(e)	02-600292	0–0.5	RE02-07-1268	0	0	58.4	1963
02-007-00	02-600259	0–0.5	RE02-07-1128	0	0	15.24	2040
02-007-00	02-600259	2–3	RE02-07-1129	0	0	43.8	1758
02-007-00	02-600259	4.5–5.1	RE02-07-1130	0	0	43.8	1758
02-007-00	02-600260	0–0.5	RE02-07-1131	0	0	44.5	1635
02-007-00	02-600260	2–4.4	RE02-07-1132	0	0	44.5	1635
02-007-00	02-600260	4.5–7.2	RE02-07-1133	0	0	44.5	1635

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600261	0–0.5	RE02-07-1134	0	0	44	1902
02-007-00	02-600261	2–2.5	RE02-07-1135	0	0	131	2381
02-007-00	02-600261	4.5–5	RE02-07-1136	0	0	131	2381
02-007-00	02-600262	0–0.5	RE02-07-1137	0	0	34.6	1656
02-007-00	02-600262	0–0.5	RE02-07-3814	0	0	34.6	1656
02-007-00	02-600262	2–2.5	RE02-07-1138	0	0	40.6	1840
02-007-00	02-600262	4.5–5	RE02-07-1139	0	0	40.6	1840
02-007-00	02-600263	2–2.5	RE02-07-1141	0	0	33.4	1428
02-007-00	02-600263	4.5–5	RE02-07-1142	0	0	33.4	1428
02-007-00	02-600264	0–0.5	RE02-07-1143	0	0	15.2	3590
02-007-00	02-600264	2–2.5	RE02-07-1144	0	0	29.9	1928
02-007-00	02-600264	4.5–5	RE02-07-1145	0	0	29.9	1928
02-007-00	02-600265	0–0.5	RE02-07-1140	0	0	34.8	1712
02-007-00	02-600265	0–0.5	RE02-07-1146	0	0	33.4	1428
02-007-00	02-600265	2–2.5	RE02-07-1147	0	0	70	2520
02-007-00	02-600265	4.5–5	RE02-07-1148	0	0	70	2520
02-007-00	02-600266	0–0.5	RE02-07-1149	0	0	108	2850
02-007-00	02-600266	2–2.5	RE02-07-1150	0	0	108	2850
02-007-00	02-600266	4.5–5	RE02-07-1151	0	0	83	2960
02-007-00	02-600267	0–0.5	RE02-07-1152	0	0	112.8	2330
02-007-00	02-600267	2–3.5	RE02-07-1153	0	0	112.8	2330
02-007-00	02-600267	2–3.5	RE02-07-1197	0	0.1	112.8	2330
02-007-00	02-600267	4.5–5.5	RE02-07-1154	0	0	112.8	2330
02-007-00	02-600268	0–0.5	RE02-07-1155	0	0	17.4	1992
02-007-00	02-600268	2–2.5	RE02-07-1156	0	0	17.4	1992
02-007-00	02-600268	4.5–5	RE02-07-1157	0	0	17.4	1992
02-007-00	02-600269	0–0.5	RE02-07-1158	0	0	35	1782
02-007-00	02-600269	2–2.5	RE02-07-1159	0	0	35	1782
02-007-00	02-600269	4.5–5	RE02-07-1160	0	0	35	1782
02-007-00	02-600270	0–1.1	RE02-07-1161	0	0	16.5	2080
02-007-00	02-600270	0–1.1	RE02-07-1199	0	0	16.5	2080
02-007-00	02-600270	2–2.8	RE02-07-1162	0	0	16.5	2080
02-007-00	02-600270	4.5–5	RE02-07-1163	0	0	1605	2080
02-007-00	02-600271	0–0.5	RE02-07-1164	0	0	101	2900
02-007-00	02-600271	2–2.5	RE02-07-1165	0	0	101	2900
02-007-00	02-600271	4.5–5	RE02-07-1166	0	0	101	2900
02-007-00	02-600272	0–0.5	RE02-07-1167	0	0	39	273

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600272	2–4	RE02-07-1168	0	0	39	273
02-007-00	02-600272	4.5–14	RE02-07-1169	0	0	39	273
02-007-00	02-600272	4.5–14	RE02-07-1198	0	0	39	273
02-007-00	02-600273	0–0.5	RE02-07-1170	0	0	42.4	2540
02-007-00	02-600273	2–2.5	RE02-07-1171	0	0	42.4	2540
02-007-00	02-600273	4.5–5	RE02-07-1172	0	0	42.4	2540
02-007-00	02-600274	0–0.5	RE02-07-1173	0	0	20	1515
02-007-00	02-600274	2–4.5	RE02-07-1174	0	0	20	1515
02-007-00	02-600274	4.5–10	RE02-07-1175	0	0	20	1515
02-007-00	02-600275	0–0.5	RE02-07-1176	0	0	44.5	1701
02-007-00	02-600275	2–3	RE02-07-1177	0	0	44.5	1701
02-007-00	02-600275	4.5–5.5	RE02-07-1178	0	0	44.5	1701
02-007-00	02-600276	0–0.5	RE02-07-1179	0	0	65	2710
02-007-00	02-600276	2–2.5	RE02-07-1180	0	0	65	2710
02-007-00	02-600276	4.5–5	RE02-07-1181	0	0	65	2710
02-007-00	02-600277	0–0.5	RE02-07-1182	0	0	56	3030
02-007-00	02-600277	2–3	RE02-07-1183	0	0	56	3030
02-007-00	02-600277	2–3	RE02-07-1203	0	3.1	56	3030
02-007-00	02-600277	4.5–5	RE02-07-1184	0	0	56	3030
02-007-00	02-600278	0–0.5	RE02-07-1185	0	0	17.7	1551
02-007-00	02-600279	0–0.8	RE02-07-1188	0	0	38.6	1861
02-007-00	02-600279	2–2.5	RE02-07-1189	0	0	71	2960
02-007-00	02-600279	4.5–5	RE02-07-1190	0	0	71	2960
02-007-00	02-600280	0–0.5	RE02-07-1191	0	0	35	2560
02-007-00	02-600280	2–2.5	RE02-07-1192	0	0	35	2560
02-007-00	02-600280	4.5–5	RE02-07-1193	0	0	35	2560
02-007-00	02-600281	0–0.5	RE02-07-1194	0	0	65	2660
02-007-00	02-600281	2–2.5	RE02-07-1195	0	0	65	2660
02-007-00	02-600281	4.5–5	RE02-07-1196	0	0	65	2660
02-007-00	02-600281	4.5–5	RE02-07-1200	0	0	65	2660
02-007-00	02-600592	0–0.5	RE02-07-2661	0	0	50.6	1674
02-007-00	02-600592	4.5–8.5	RE02-07-2662	0	0	23.6	1728
02-007-00	02-600592	16–21	RE02-07-2664	0	0	3403	1869
02-007-00	02-600593	0–0.5	RE02-07-2666	0	0	35	1593
02-007-00	02-600593	4.5–7	RE02-07-2667	0	0	34	1869
02-007-00	02-600593	9.5–14.5	RE02-07-2668	0	0	34	1869
02-007-00	02-600593	9.5–14.5	RE02-07-2692	0	0	34	1869

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600593	14.5–16.7	RE02-07-2669	0	0	9	1600
02-007-00	02-600594	0–0.5	RE02-07-2671	0	0	41.5	1644
02-007-00	02-600594	4.5–6.9	RE02-07-2672	0	0	28.4	1418
02-007-00	02-600594	9.5–11.6	RE02-07-2673	0	0	28.4	1418
02-007-00	02-600594	14.5–16.7	RE02-07-2674	0	0	28.4	1418
02-007-00	02-600595	0–0.5	RE02-07-2676	0	0	36.5	1883
02-007-00	02-600595	4.5–6	RE02-07-2677	0	0	21	1214
02-007-00	02-600595	9.5–11.9	RE02-07-2678	0	0	21	1214
02-007-00	02-600595	14.5–20.5	RE02-07-2679	0	0	21	2679
02-007-00	02-600596	0–0.5	RE02-07-2681	0	0	10.1	2240
02-007-00	02-600596	4.5–6.7	RE02-07-2682	0	0	18.7	1952
02-007-00	02-600596	9.5–11.7	RE02-07-2683	0	2.2	18.7	1952
02-007-00	02-600596	14.5–16.7	RE02-07-2684	0	0	18.7	1952
02-007-00	02-600597	0–0.5	RE02-07-2686	0	0	31.3	1648
02-007-00	02-600597	4.5–5.3	RE02-07-2687	0	0	31.1	1648
02-007-00	02-600597	4.5–5.3	RE02-07-2691	0	0	31.3	1648
02-007-00	02-600598	0–0.5	RE02-07-2700	0	0	15.2	1843
02-007-00	02-600598	0–0.5	RE02-07-2735	0	0	15.2	1843
02-007-00	02-600598	9.5–11.5	RE02-07-2702	0	0	29.4	1718
02-007-00	02-600598	14.5–16.7	RE02-07-2703	0	0	29.4	1718
02-007-00	02-600599	0–0.5	RE02-07-2705	0	0	32.8	1768
02-007-00	02-600599	4.5–7.3	RE02-07-2706	0	0	28	1782
02-007-00	02-600599	4.5–7.3	RE02-07-2737	0	0	28	1782
02-007-00	02-600599	9.5–12.5	RE02-07-2707	0	0	24	2010
02-007-00	02-600599	13.5–20.5	RE02-07-2708	0	0	28	1782
02-007-00	02-600600	0–0.5	RE02-07-2710	0	0	33	1850
02-007-00	02-600600	4.5–6.5	RE02-07-2711	0	0	11.3	1428
02-007-00	02-600600	9.5–11.8	RE02-07-2712	0	0	11.3	1428
02-007-00	02-600600	14.5–17	RE02-07-2713	0	0	11.3	1428
02-007-00	02-600601	0–0.5	RE02-07-2715	0	7	24.3	1691
02-007-00	02-600601	4.5–6.7	RE02-07-2716	0	0	27.4	1322
02-007-00	02-600601	9.5–11.3	RE02-07-2717	0	0	27.4	1322
02-007-00	02-600601	14.5–16.8	RE02-07-2718	0	0	27.4	1322
02-007-00	02-600602	0–0.5	RE02-07-2720	0	0	19	1509
02-007-00	02-600602	4.5–9.5	RE02-07-2721	0	0	18.2	1626
02-007-00	02-600602	14.5–19.5	RE02-07-2723	0	0	18.2	1626
02-007-00	02-600603	0–0.5	RE02-07-2725	0	0	29.8	1864

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600604	0–0.5	RE02-07-2730	0	0	85.4	1454
02-007-00	02-600605	0–0.5	RE02-07-2747	0	0	84.1	1291
02-007-00	02-600605	1.5–3	RE02-07-2748	0	0	84.1	1291
02-007-00	02-600606	0–0.5	RE02-07-2751	0	0	36	1963
02-007-00	02-600606	1.5–1.9	RE02-07-2752	0	0	22.2	1785
02-007-00	02-600606	17.1–20	RE02-07-2753	0	0	22.2	1785
02-007-00	02-600607	0–0.5	RE02-07-2755	0	0	26.8	2000
02-007-00	02-600607	1.5–3.5	RE02-07-2756	0	0	26.8	2000
02-007-00	02-600607	15–21	RE02-07-2757	0	0	26.8	2000
02-007-00	02-600607	15–21	RE02-07-2779	0	0	26.8	2000
02-007-00	02-600608	0–0.5	RE02-07-2759	0	0	17.84	1439
02-007-00	02-600608	1.5–2.3	RE02-07-2760	0	0	17.84	1439
02-007-00	02-600608	1.5–2.3	RE02-07-2777	0	0	17.84	1439
02-007-00	02-600608	11.5–13.7	RE02-07-2761	1.9	2.5	50.6	1580
02-007-00	02-600609	0–0.5	RE02-07-2762	0	0	12.82	1690
02-007-00	02-600609	1.5–2.3	RE02-07-2763	0	0	27.2	1881
02-007-00	02-600609	11.5–14.5	RE02-07-2764	0	0	29.3	1621
02-007-00	02-600609	21.5–23.5	RE02-07-3982	0	0	29.3	1621
02-007-00	02-600610	0–0.5	RE02-07-2765	0	0	12.55	2200
02-007-00	02-600610	1.5–2.5	RE02-07-2766	0	0	2.55	2200
02-007-00	02-600610	1.5–2.5	RE02-07-2778	0	0	12.55	2200
02-007-00	02-600610	11.5–13.5	RE02-07-2767	0	0	30	1965
02-007-00	02-600610	21.5–24.5	RE02-07-3983	0	0	30	1965
02-007-00	02-600610	21.5–24.5	RE02-07-3987	0	0	30	1965
02-007-00	02-600611	0–0.5	RE02-07-2768	0	0	19.88	2290
02-007-00	02-600611	1.5–2.4	RE02-07-2769	0	0	19.88	2290
02-007-00	02-600612	0–1.2	RE02-07-2771	0	0	58.9	3210
02-007-00	02-600613	0–1.5	RE02-07-2774	0	0	58.9	3210
02-007-00	02-600613	1.5–2.5	RE02-07-2775	0	0	58.9	3210
02-007-00	02-600643	0–0.5	RE02-07-2948	0	0	31.8	1834
02-007-00	02-600643	4.5–5.5	RE02-07-2949	0	0	31.8	1804
02-007-00	02-600643	4.5–5.5	RE02-07-2998	0	0	31.8	1804
02-007-00	02-600643	9.5–12.4	RE02-07-2950	0	0	28.4	1418
02-007-00	02-600643	9.5–12.4	RE02-07-2999	0	0	28.4	1418
02-007-00	02-600643	14.5–16.9	RE02-07-2951	0	0	28.4	1418
02-007-00	02-600644	0–0.5	RE02-07-2953	0	0	29	2140
02-007-00	02-600644	4.5–5.2	RE02-07-2954	0	0	29	2140

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600644	9.5–11.7	RE02-07-2955	0	0	21	1214
02-007-00	02-600644	14.5–19.5	RE02-07-2956	0	0	21	1214
02-007-00	02-600645	0–0.5	RE02-07-2958	0	0	36.9	1885
02-007-00	02-600645	4.5–5.25	RE02-07-2959	0	0	36.9	1885
02-007-00	02-600645	4.5–5.25	RE02-07-3001	0	0	36.9	1885
02-007-00	02-600645	9.5–12.2	RE02-07-2960	0	0	15.5	1980
02-007-00	02-600645	9.5–12.2	RE02-07-3000	0	0	15.5	1980
02-007-00	02-600645	14.5–20.5	RE02-07-2961	0	0	15.5	1980
02-007-00	02-600646	0–0.5	RE02-07-2963	0	0	38.3	1896
02-007-00	02-600646	4.5–8.3	RE02-07-2964	0	0	15.5	1980
02-007-00	02-600646	4.5–8.3	RE02-07-3002	0	0	15.5	1980
02-007-00	02-600646	9.5–11.7	RE02-07-2965	0	0	15.5	1980
02-007-00	02-600646	14.5–16.8	RE02-07-2966	0	0	15.5	1980
02-007-00	02-600647	0–0.5	RE02-07-2968	0	0	28	1621
02-007-00	02-600647	4.5–4.9	RE02-07-2969	0	0	29	1997
02-007-00	02-600648	0–0.5	RE02-07-2973	0	0	41.2	1621
02-007-00	02-600648	4.5–7	RE02-07-2974	0	0	12.73	1708
02-007-00	02-600648	13.5–14.5	RE02-07-2976	0	0	12.73	1708
02-007-00	02-600648	14.5–19.5	RE02-07-2977	0	0	12.73	1708
02-007-00	02-600649	0–0.5	RE02-07-2978	0	0	36.9	1861
02-007-00	02-600650	0–0.5	RE02-07-2983	0	0	73	1921
02-007-00	02-600650	4.5–6.3	RE02-07-2984	0	0	19.7	1540
02-007-00	02-600650	9.5–11.3	RE02-07-2985	0	0	19.7	1540
02-007-00	02-600651	0–0.5	RE02-07-2988	0	0	32	1621
02-007-00	02-600651	4.5–5	RE02-07-2989	0	0	32	1621
02-007-00	02-600651	9.5–12.7	RE02-07-2990	0	0	15.5	1980
02-007-00	02-600651	14.5–16.9	RE02-07-2992	0	0	15.5	1980
02-007-00	02-600651	19.5–21.6	RE02-07-2991	0	0	15.5	1980
02-007-00	02-600652	0–0.5	RE02-07-2993	0	0	33.6	1767
02-007-00	02-600652	4.5–5.3	RE02-07-2994	0	0	33.6	1767
02-007-00	02-600652	9.5–11.7	RE02-07-2995	0	0	12	1502
02-007-00	02-600652	14.5–16.6	RE02-07-2997	0	0	12	1502
02-007-00	02-600652	16.6–18.4	RE02-07-2996	0	0	12	1502
02-007-00	02-600698	0–0.5	RE02-07-3200	0	0	35.9	1905
02-007-00	02-600698	4.5–7.3	RE02-07-3201	0	0	39.6	2050
02-007-00	02-600698	9.5–12.2	RE02-07-3202	0	0	39.6	2050
02-007-00	02-600699	0–0.5	RE02-07-3205	0	0	10	2010

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-007-00	02-600699	4.5–7	RE02-07-3206	0	0	19	1679
02-007-00	02-600699	14.5–19.5	RE02-07-3208	0	0	19	1679
02-007-00	02-600699	19.5–21.7	RE02-07-3209	0	0	20.5	1754
02-007-00	02-600700	0–0.5	RE02-07-3210	0	0	34.1	1980
02-007-00	02-600700	4.5–6.7	RE02-07-3211	0	0	19.4	2020
02-007-00	02-600700	9.5–11.1	RE02-07-3212	0	0	19.4	2020
02-007-00	02-600700	14.5–16.7	RE02-07-3213	0	0	19.4	2020
02-007-00	02-600701	0–0.5	RE02-07-3215	0	0	21	2010
02-007-00	02-600701	4.5–6.2	RE02-07-3216	0	0	38.7	1510
02-007-00	02-600701	9.5–11.7	RE02-07-3217	0	0	38.7	1510
02-007-00	02-600702	0–0.5	RE02-07-3220	0	0	25	1665
02-007-00	02-600702	4.5–6.7	RE02-07-3221	0	0	39.6	2050
02-007-00	02-600702	9.5–12.7	RE02-07-3222	0	0	39.6	2050
02-007-00	02-600702	9.5–12.7	RE02-07-3245	0	0	39.6	2050
02-007-00	02-600703	0–0.5	RE02-07-3225	0	0	24.6	2120
02-007-00	02-600704	0–0.5	RE02-07-3230	0	9	11.3	2010
02-007-00	02-600704	14.5–16.7	RE02-07-3233	0	0	33.9	1544
02-007-00	02-600705	0–0.5	RE02-07-3235	0	9	24.4	1905
02-007-00	02-600705	0–0.5	RE02-07-3249	0	0.9	24.4	1905
02-007-00	02-600705	4.5–6.3	RE02-07-3236	0	0	13.5	1750
02-007-00	02-600705	9.5–11.7	RE02-07-3237	0	0	13.5	1750
02-007-00	02-600706	0–0.5	RE02-07-3240	0	0	41.7	2180
02-008(a)	02-600481	0–0.5	RE02-07-2052	0	0.2	49.1	2250
02-008(a)	02-600481	4.5–8.5	RE02-07-2053	0	0	53	2740
02-008(a)	02-600481	8.5–13.5	RE02-07-2055	0	0	53	2740
02-008(a)	02-600481	13.5–16	RE02-07-2054	0	0	53	2740
02-008(a)	02-600482	0–0.5	RE02-07-6286	0	0	49.1	2120
02-008(a)	02-600482	0–4.5	RE02-07-2056	0	0	96.3	2110
02-008(a)	02-600482	4.5–7	RE02-07-2057	0	0	89.8	2330
02-008(a)	02-600482	7–9.5	RE02-07-2059	0	0	89.8	2330
02-008(a)	02-600482	9.5–14.5	RE02-07-2058	0	0	89.8	2330
02-008(a)	02-600482	9.5–14.5	RE02-07-2070	0	0	89.8	2330
02-008(a)	02-600483	0–0.5	RE02-07-2060	0	0	77.4	1949
02-008(a)	02-600483	4.5–8.5	RE02-07-2061	0	0	53	2740
02-008(a)	02-600483	8.5–13.5	RE02-07-2063	0	0	53	2740
02-008(a)	02-600483	13.5–16	RE02-07-2062	0	0	53	2740
02-008(a)	02-600484	0–0.5	RE02-07-2064	0.3	3.7	152	3350

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-008(a)	02-600484	2–2.7	RE02-07-2065	1.3	2.2	152	3350
02-008(a)	NA	2–2.7	RE02-07-2069	1.3	2.2	152	3350
02-008(c)	02-600210	0–0.5	RE02-07-884	0	0	16.3	1968
02-008(c)	02-600625	0–0.5	RE02-07-2837	0	0	25	2150
02-008(c)	02-600625	0–0.5	RE02-07-2851	0	0	25	2150
02-008(c)	02-600625	4.5–8.5	RE02-07-2838	0	0	49.1	2260
02-008(c)	02-600625	16.5–21	RE02-07-2839	0	0	49.1	2260
02-008(c)	02-600625	16.5–21	RE02-07-2850	0	0	49.1	2206
02-008(c)	02-600626	0–0.5	RE02-07-2841	0	0	33	1868
02-008(c)	02-600626	4.5–8	RE02-07-2842	0	0	48	1748
02-008(c)	02-600626	8–13.5	RE02-07-2843	0	0	48	1748
02-008(c)	02-600626	13.5–18.5	RE02-07-2844	0	0	48	1748
02-008(c)	02-600627	0–0.5	RE02-07-2845	0	0	32	1298
02-009(d)	02-600614	0–0.5	RE02-07-2786	0	0	27	1973
02-009(d)	02-600614	1.5–3.7	RE02-07-2787	0	9.1	17	2490
02-009(d)	02-600614	11.5–13.5	RE02-07-2788	0	0	17	2490
02-009(d)	02-600614	13–15.5	RE02-07-2790	0	0	17	2490
02-009(d)	02-600614	15–19.2	RE02-07-2789	0	0	17	2490
02-009(d)	02-600614	15–19.2	RE02-07-2828	0	0	17	2490
02-009(d)	02-600615	0–0.5	RE02-07-2791	0	0.3	12	2020
02-009(d)	02-600615	0–0.5	RE02-07-4000	0	0.3	12	2020
02-009(d)	02-600615	1.5–3.5	RE02-07-2792	0	0	19	1633
02-009(d)	02-600615	16.5–18.7	RE02-07-2794	0	0	19	1633
02-009(d)	02-600616	0–0.5	RE02-07-2796	0	0	19.3	1658
02-009(d)	02-600616	1.5–3.6	RE02-07-2797	0	0	19.3	1041
02-009(d)	02-600616	11.5–13.7	RE02-07-2798	0	0	19.3	1041
02-009(d)	02-600617	0–0.5	RE02-07-2801	0	0	19	1693
02-009(d)	02-600617	1.5–5	RE02-07-2802	0	0	46	2460
02-009(d)	02-600617	11.5–13	RE02-07-2803	0	0	46	2460
02-009(d)	02-600618	0–0.5	RE02-07-2804	0	0	14	1943
02-009(d)	02-600618	1.5–3.3	RE02-07-2805	0	0	51.4	1739
02-009(d)	02-600618	11.5–14.1	RE02-07-2806	0	0	51.4	1739
02-009(d)	02-600619	0–0.5	RE02-07-2807	0	0	37	2370
02-009(d)	02-600619	1.5–5	RE02-07-2808	0	0	22	1531
02-009(d)	02-600619	11.5–13.6	RE02-07-2809	0	0	22	1531
02-009(d)	02-600620	0–0.5	RE02-07-2810	1.3	1.3	21	1698
02-009(d)	02-600620	1.5–2.5	RE02-07-2811	2	1.9	21	1698

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-009(d)	02-600620	11.5–13.9	RE02-07-2812	0	0.1	21	1698
02-009(d)	02-600621	0–0.5	RE02-07-2813	0	0	28	1944
02-009(d)	02-600621	1.5–3.7	RE02-07-2814	0	0	35.1	2130
02-009(d)	02-600621	11.5–13.4	RE02-07-2815	0	0	35.1	2130
02-009(d)	02-600622	0–0.5	RE02-07-2816	0	0	42.6	1944
02-009(d)	02-600622	1.5–2	RE02-07-2817	0	0	42.6	1944
02-009(d)	02-600622	1.5–2	RE02-07-2826	0	0	42.6	1944
02-009(d)	02-600622	11.5–15	RE02-07-2818	0	0	26.1	1851
02-009(d)	02-600622	11.5–15	RE02-07-2827	0	0	26.1	1851
02-009(d)	02-600623	0–0.5	RE02-07-2819	0	0	38.2	1944
02-009(d)	02-600623	1.5–3.8	RE02-07-2820	0	0	47	2740
02-009(d)	02-600623	11.5–13.9	RE02-07-2821	0	0	47	2740
02-009(d)	02-600623	11.5–13.9	RE02-07-2825	0	0	47	2740
02-009(d)	02-600624	0–0.5	RE02-07-2822	0	0	24.2	1604
02-009(d)	02-600624	1.5–1.9	RE02-07-2823	0	0	58.9	3210
02-010	02-600628	0–0.5	RE02-07-2856	0	0	59.9	1387
02-010	02-600628	0–0.5	RE02-07-2932	0	0	59.9	1387
02-010	02-600628	4.5–7.5	RE02-07-2857	0	0	15	505
02-010	02-600628	13–18	RE02-07-2859	0	0	15	505
02-010	02-600628	13–18	RE02-07-2930	0	0	15	505
02-010	02-600628	19.5–22	RE02-07-6829	0	0	20.7	1793
02-010	02-600629	0–2.5	RE02-07-2861	0	0	39.4	1808
02-010	02-600629	4.5–6.2	RE02-07-2862	0	0	39.4	1808
02-010	02-600629	9.5–12	RE02-07-2865	0	0	39.4	1808
02-010	02-600629	14.5–19.5	RE02-07-2864	0	0	39.4	1808
02-010	02-600629	19.5–22	RE02-07-6830	0	0	23	2910
02-010	02-600630	0–0.5	RE02-07-2866	0	0	39.4	1808
02-010	02-600630	4.5–7	RE02-07-2867	0	0	41	2830
02-010	02-600630	13–18	RE02-07-2870	0	0	41	2830
02-010	02-600631	0–0.5	RE02-07-2871	0	0	28	1970
02-010	02-600631	4.5–8.5	RE02-07-2872	0	0	28	1970
02-010	02-600631	4.5–8.5	RE02-07-2931	0	0	28	1971
02-010	02-600631	13.5–18.5	RE02-07-2875	0	0	28	1970
02-010	02-600631	24–26.5	RE02-07-6831	0	0	23	2910
02-010	02-600632	0–0.5	RE02-07-2876	0	0	57.2	2180
02-010	02-600632	4.5–9	RE02-07-2877	0	0	8.04	1740
02-010	02-600632	16–20	RE02-07-2879	0	41.6	8.04	1740

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-010	02-600632	26–29	RE02-07-2880	0	0	8.04	1740
02-010	02-600633	0–0.5	RE02-07-2881	0	1.1	83.9	2720
02-010	02-600633	0–0.5	RE02-07-2926	0	1.1	83.9	2720
02-010	02-600633	4.5–6.8	RE02-07-2882	0	0	38.7	1387
02-010	02-600633	10.5–13.2	RE02-07-2885	0	0	38.7	1753
02-010	02-600633	15–17.9	RE02-07-2884	0	0	38.7	1753
02-010	02-600633	19.5–24.5	RE02-07-2883	0	0	38.2	1753
02-010	02-600633	19.5–24.5	RE02-07-2927	0	0	38.7	1753
02-010	02-600634	0–0.5	RE02-07-2886	0	0	23.1	1302
02-010	02-600634	4.5–9	RE02-07-2887	0	0	23.1	1302
02-010	02-600634	14–19	RE02-07-2889	0	0	23.1	1302
02-010	02-600634	19.5–22	RE02-07-6832	0	0	31.6	2200
02-010	02-600635	0–0.5	RE02-07-2891	0	0	0	1538
02-010	02-600635	4.5–9	RE02-07-2892	0	0	23.8	1632
02-010	02-600635	14–20	RE02-07-2894	1.1	1.4	23.8	1632
02-010	02-600636	0–0.5	RE02-07-2896	0	0	0	2520
02-010	02-600636	4.5–9.5	RE02-07-2897	0	0	41.8	2570
02-010	02-600636	15–19.5	RE02-07-2899	0	0	41.8	2570
02-010	02-600636	19.5–24	RE02-07-6833	0	0	34.4	2930
02-010	02-600637	0–0.5	RE02-07-2901	0	0	35.7	1936
02-010	02-600637	4.5–7.5	RE02-07-2902	0	0	41	2540
02-010	02-600637	4.5–7.5	RE02-07-2928	0	0	41	2540
02-010	02-600637	13–18	RE02-07-2905	0	0	41	2540
02-010	02-600637	18.3–21	RE02-07-2904	0	0	41	2540
02-010	02-600638	0–0.5	RE02-07-2906	0	0	26.1	1468
02-010	02-600638	4.5–9.5	RE02-07-2907	0	0	16.7	2340
02-010	02-600638	9.5–15	RE02-07-2910	0	0	16.7	2340
02-010	02-600638	18–20	RE02-07-2909	0	102.1	16.7	2340
02-010	02-600638	29–32	RE02-07-2908	0	0	89.2	2150
02-010	02-600639	0.75–2.9	RE02-07-2911	0	0	20.5	1456
02-010	02-600639	4.5–6.4	RE02-07-2912	0	0	70.6	1841
02-010	02-600639	9.5–11.9	RE02-07-2915	0	0	70.6	1841
02-010	02-600639	14.1–17.5	RE02-07-2914	0	0	70.6	1841
02-010	02-600639	14.1–17.5	RE02-07-2929	0	0	70.6	1841
02-010	02-600639	19.5–20.7	RE02-07-2913	0	0	70.6	1841
02-010	02-600640	0–0.5	RE02-07-2916	0	0	31.5	2003
02-010	02-600641	0–0.5	RE02-07-2921	0	0	31.5	2003

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-011(a)	02-600385	0–0.5	RE02-07-1566	0	0	29.7	2560
02-011(a)	02-600385	2–3	RE02-07-1567	0	0	29.7	2560
02-011(a)	02-600385	2–3	RE02-07-1575	0	0	29.7	2560
02-011(a)	02-600386	0–0.5	RE02-07-1569	0	0	42	1942
02-011(a)	02-600386	2–2.5	RE02-07-1570	0	0	42	1942
02-011(a)	02-600386	4.5–5	RE02-07-1571	0	0	42	1942
02-011(a)	02-600387	0–0.5	RE02-07-1572	0	0	0	1864
02-011(a)	02-600387	2–2.6	RE02-07-1573	0	0	0	1864
02-011(a)	02-600406	0–0.5	RE02-07-1628	0	0	61.1	1750
02-011(a)	02-600406	0–0.5	RE02-07-1640	0	0	61.1	1750
02-011(a)	02-600406	4.5–13	RE02-07-1629	0	0	53.3	1707
02-011(a)	02-600406	15–19.5	RE02-07-1630	0	0	55.3	1707
02-011(a)	02-600407	0–0.5	RE02-07-1632	0	0	22.9	1788
02-011(a)	02-600407	4.5–10	RE02-07-1633	0	0	55.5	1732
02-011(a)	02-600407	10–15	RE02-07-1634	0	0	55.5	1732
02-011(a)	02-600408	0–0.5	RE02-07-1636	0	0	41.9	1791
02-011(a)	02-600431	0–0.5	RE02-07-1763	0	0	69.4	2630
02-011(a)	02-600431	7.5–12	RE02-07-1764	0	0.1	0	2000
02-011(a)	02-600431	15–21	RE02-07-1765	0	0	0	2000
02-011(a)	02-600432	0–0.5	RE02-07-1768	0	0	34.2	1640
02-011(a)	02-600432	7.5–14	RE02-07-1769	0	0	18.6	1626
02-011(a)	02-600432	14–19	RE02-07-1770	0	9	18.6	1626
02-011(a)	02-600432	24.5–29	RE02-07-6823	0	0	32.9	1990
02-011(a)	02-600433	0–0.5	RE02-07-1773	0	0	34.2	1640
02-011(a)	02-600433	14–19	RE02-07-1775	0	0	19.5	1651
02-011(a)	02-600433	14–19	RE02-07-1857	0	0	19.5	1651
02-011(a)	02-600434	0–0.5	RE02-07-1778	0	0	65.6	2180
02-011(a)	02-600434	7.5–16	RE02-07-1781	0	0	11	1756
02-011(a)	02-600434	16–19	RE02-07-1780	0	0	11	1756
02-011(a)	02-600435	0–0.5	RE02-07-1783	0	0	34	1944
02-011(a)	02-600435	7.5–14.5	RE02-07-1784	0	0	32.4	1589
02-011(a)	02-600435	7.5–14.5	RE02-07-1855	0	0	32.4	1589
02-011(a)	02-600435	14.5–19	RE02-07-1785	0	0	32.4	1589
02-011(a)	02-600436	0–0.5	RE02-07-1788	0	0	17	1803
02-011(a)	02-600436	7.5–13.5	RE02-07-1789	0	0	28.3	1775
02-011(a)	02-600436	13.5–18.5	RE02-07-1790	0	0	28.3	1775
02-011(a)	02-600436	13.5–18.5	RE02-07-1856	0	0	28.3	1775

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-011(a)	02-600437	0–0.5	RE02-07-1793	0	0	17	1803
02-011(a)	02-600437	7.5–8.8	RE02-07-1794	0	0	48	1870
02-011(a)	02-600438	0–0.5	RE02-07-1798	0	0	17	1803
02-011(a)	02-600438	7.5–11	RE02-07-1799	0	0	28	1675
02-011(a)	02-600438	7.5–11	RE02-07-1854	0	0	28	1675
02-011(a)	02-600438	14–16.2	RE02-07-1800	0	0	28	1675
02-011(a)	02-600439	0–0.5	RE02-07-1803	0	0	50.7	1373
02-011(a)	02-600439	7.5–14	RE02-07-1804	0	0	12	1682
02-011(a)	02-600439	14–18.5	RE02-07-1805	0	0	12	1682
02-011(a)	02-600440	0–0.5	RE02-07-1808	0	0	0	1775
02-011(a)	02-600440	7.5–14	RE02-07-1809	0	1	21	1683
02-011(a)	02-600440	14–19	RE02-07-1810	0	0	21	1683
02-011(a)	02-600441	0–0.5	RE02-07-1813	0	0	49.2	2250
02-011(a)	02-600441	0–0.5	RE02-07-1852	0	0	49.2	2250
02-011(a)	02-600441	7.5–8	RE02-07-1814	0	0	0	1675
02-011(a)	02-600441	10–15	RE02-07-1816	0	0	0	1675
02-011(a)	02-600441	15–22	RE02-07-1815	0	0.5	0	1675
02-011(a)	02-600441	15–22	RE02-07-1853	0	0	0	1675
02-011(a)	02-600442	0–0.5	RE02-07-1818	0	0	57.1	1982
02-011(a)	02-600442	8–12	RE02-07-1821	0	0	57.1	1982
02-011(a)	02-600442	15–20	RE02-07-1820	0	0	57.1	1982
02-011(a)	02-600443	0–0.5	RE02-07-1822	0	0	69.4	2630
02-011(a)	02-600443	2–4	RE02-07-1823	0.3	4.7	0	2000
02-011(a)	02-600443	4–8	RE02-07-1824	0.7	2.2	0	2000
02-011(a)	02-600443	10–12.5	RE02-07-1826	0	0	0	2000
02-011(a)	02-600443	15–17.5	RE02-07-1825	0	0	0	2000
02-011(a)	02-600444	0–0.5	RE02-07-1828	0	0	49	2120
02-011(a)	02-600444	7.5–8.5	RE02-07-1829	0	0	18	1468
02-011(a)	02-600444	13.5–20.5	RE02-07-1830	0	0	18	1468
02-011(a)	02-600444	13.5–20.5	RE02-07-1858	0	0	18	1468
02-011(a)	02-600445	0–0.5	RE02-07-1833	0	0	49	2120
02-011(a)	02-600445	7.5–10.5	RE02-07-1834	0	0	18	1468
02-011(a)	02-600445	13–18.5	RE02-07-1835	0	220	18	1468
02-011(a)	02-600445	26–28.5	RE02-07-1836	0	0	18	1468
02-011(a)	02-600446	0–0.5	RE02-07-1838	0	0	49	2120
02-011(a)	02-600446	7.5–12	RE02-07-1839	0	0	47	2390
02-011(a)	02-600446	13–18	RE02-07-1840	0	0	47	2390

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-011(a)	02-600447	0–0.5	RE02-07-1843	0	0	49	2120
02-011(a)	02-600447	8.5–13.5	RE02-07-1844	0	0	20.1	1615
02-011(a)	02-600447	14.5–18.5	RE02-07-1845	0	0	20.1	1615
02-011(a)	02-600448	0–0.5	RE02-07-1848	0	0	18	1945
02-011(a)	02-600448	7.5–14	RE02-07-1849	0	0	21	1882
02-011(a)	02-600449	0–0.5	RE02-07-1876	0	0	0	1917
02-011(a)	02-600449	2–4.5	RE02-07-1877	0	0	58.5	1810
02-011(a)	02-600449	4.5–9.5	RE02-07-1878	0	0	58.5	1810
02-011(a)	02-600450	0–0.5	RE02-07-1882	0	0	0	1917
02-011(a)	02-600450	4.5–10	RE02-07-1883	0	0	35.1	2060
02-011(a)	02-600451	0–0.5	RE02-07-1886	0	0	0	1917
02-011(a)	02-600451	4.5–10	RE02-07-1887	0	0	57.5	2080
02-011(a)	02-600451	12.5–15	RE02-07-1889	0	0	57.5	2080
02-011(a)	02-600451	17–22	RE02-07-1888	0	0	57.5	2080
02-011(a)	02-600451	17–22	RE02-07-1890	0	0	2080	57.5
02-011(a)	02-600532	0–0.5	RE02-07-2357	0	0	26.9	2090
02-011(a)	02-600532	4.5–9.5	RE02-07-2359	0	0	37	1819
02-011(a)	02-600532	9.5–12.5	RE02-07-2361	0	0	37	1819
02-011(a)	02-600533	0–0.5	RE02-07-2362	0	0	30.2	2290
02-011(a)	02-600533	4.5–10	RE02-07-2363	0	0	51.2	1966
02-011(a)	02-600533	10–15	RE02-07-2365	0	0	51.2	1966
02-011(a)	02-600533	15–20	RE02-07-2364	0	0	51.2	1966
02-011(a)	02-600533	15–20	RE02-07-2373	0	0	51.2	1966
02-011(a)	02-600534	0–0.5	RE02-07-6828	0	0	19.7	2580
02-011(a)	02-600534	4.5–14.5	RE02-07-2368	0	0	62.5	2100
02-011(a)	02-600534	14.5–20	RE02-07-2369	0	0	62.5	2100
02-011(a)	02-600534	14.5–20	RE02-07-2372	0	0	62.5	2100
02-011(a)	02-600542	0–0.5	RE02-07-2419	0	0	0	2740
02-011(a)	02-600542	0–0.5	RE02-07-2431	2.7	2.7	2.7	2740
02-011(a)	02-600542	4.5–6.7	RE02-07-2420	0	0	36.4	2530
02-011(a)	02-600542	10–12.2	RE02-07-2422	0	0	36.4	2520
02-011(a)	02-600542	15–17.4	RE02-07-2421	0	0	36.4	2520
02-011(a)	02-600543	0–5	RE02-07-2423	0	0	70.3	2160
02-011(a)	02-600543	9.5–11	RE02-07-2425	0	0	70.3	2160
02-011(a)	02-600543	19.5–22	RE02-07-2426	0	0	70.3	2160
02-011(a)	02-600563	0–0.5	RE02-07-2508	0	0	33.3	2100
02-011(a)	02-600563	4.5–10	RE02-07-2509	0	0	91.6	2100

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-011(a)	02-600563	10–15	RE02-07-2511	0	0	91.6	2100
02-011(a)	02-600563	15–22.5	RE02-07-2510	0	0	91.6	2100
02-011(a)	02-600563	15–22.5	RE02-07-2512	0	0	91.6	2100
02-011(a)	02-600660	0–0.5	RE02-07-3062	0	0	21.8	1656
02-011(a)	02-600660	4.5–8.5	RE02-07-3063	0.3	0.5	93.1	1927
02-011(a)	02-600660	4.5–8.5	RE02-07-3098	0.3	0.5	93.1	1927
02-011(a)	02-600661	0–0.5	RE02-07-3067	0	0	24.4	1486
02-011(a)	02-600661	4.5–9.5	RE02-07-3068	0	0	25.6	2200
02-011(a)	02-600661	11–14.5	RE02-07-3071	0	0	25.6	2200
02-011(a)	02-600661	14.5–19.5	RE02-07-3070	0	101	25.6	2200
02-011(a)	02-600661	25–30	RE02-07-3069	0	0	65.8	1946
02-011(a)	02-600662	0–0.5	RE02-07-3072	0	0	29	1766
02-011(a)	02-600662	4.5–10	RE02-07-3073	0	0	13.85	1355
02-011(a)	02-600662	15–20	RE02-07-3075	0	0	13.85	1355
02-011(a)	02-600663	0–0.5	RE02-07-3077	0	0	36.9	1923
02-011(a)	02-600663	4.5–10	RE02-07-3078	0	0	52.7	2320
02-011(a)	02-600663	14–16	RE02-07-3080	0	0	52.7	2320
02-011(a)	02-600664	0–0.5	RE02-07-3082	0	0	17.6	1918
02-011(a)	02-600664	0–0.5	RE02-07-3100	0	0	17.6	1918
02-011(a)	02-600664	4.5–7	RE02-07-3083	0	0	37	913
02-011(a)	02-600664	9.5–14.5	RE02-07-3085	0	0	37	913
02-011(a)	02-600664	19.5–24.5	RE02-07-6834	0	0	70.6	2250
02-011(a)	02-600665	0–0.5	RE02-07-3087	0	0	15.7	1855
02-011(a)	02-600665	4.5–7.5	RE02-07-3088	0	0	14.7	1763
02-011(a)	02-600665	4.5–7.5	RE02-07-3097	0	0	14.7	1763
02-011(a)	02-600665	13.5–18.5	RE02-07-3090	0	0	14.7	1763
02-011(a)	02-600665	19.5–23.5	RE02-07-6835	0	0	65.3	2070
02-011(a)	02-600666	0–0.5	RE02-07-3092	0	0	24.4	1486
02-011(b)	02-600211	0–0.5	RE02-07-892	0	0	53.1	1907
02-011(b)	02-600212	0–0.5	RE02-07-897	0	0	25.7	1793
02-011(b)	02-600213	0–0.5	RE02-07-902	0	0	17.4	2470
02-011(b)	02-600214	0–0.5	RE02-07-907	0	0	64.5	1653
02-011(b)	02-600215	0–0.5	RE02-07-912	0	0	48	1864
02-011(b)	02-600215	2–2.4	RE02-07-913	0	0	48	1864
02-011(b)	02-600215	4.5–6.7	RE02-07-914	0	0	29.3	1444
02-011(b)	02-600215	9.5–11.4	RE02-07-916	0	0	29.3	1444
02-011(b)	02-600215	14.5–16.7	RE02-07-915	0	0	29.3	1444

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-011(c)	02-600573	0–0.5	RE02-07-2563	0	0	48.5	2220
02-011(c)	02-600573	4.5–9	RE02-07-2564	0	0	61.2	1921
02-011(c)	02-600573	9–16	RE02-07-2565	0	0	61.2	1921
02-011(c)	02-600573	16–19.5	RE02-07-2566	0	0	61.2	1921
02-011(c)	02-600573	16–19.5	RE02-07-2568	0	0	61.2	1921
02-011(d)	02-600574	0–0.5	RE02-07-2571	0	0	34.5	2690
02-011(d)	02-600574	2–2.5	RE02-07-2572	0	0	65	2900
02-012	02-600418	0–0.5	RE02-07-1727	0	0	66	2860
02-012	02-600418	4.5–9	RE02-07-1728	0	0	66	2860
02-012	02-600418	14–19	RE02-07-1729	0	0	66	2860
02-012	02-600418	14–19	RE02-07-1742	0	0	66	2860
02-012	02-600419	0–0.5	RE02-07-1732	0	0	46	3080
02-012	02-600419	4.5–9	RE02-07-1733	0	0	46	3220
02-012	02-600419	9–16	RE02-07-1735	0	0	46	3080
02-012	02-600420	0–0.5	RE02-07-1737	0	0	81	3220
02-012	02-600420	4.5–9	RE02-07-1738	0	0	81	3220
02-012	02-600420	9–14	RE02-07-1740	0	0	81	3220
02-012	02-600420	14.5–19	RE02-07-6821	0	0	31.8	2210
02-012	02-600452	0–0.5	RE02-07-1893	0	0	29.6	1860
02-012	02-600452	4.5–10	RE02-07-1894	0	0	58.5	1810
02-012	02-600452	10–15	RE02-07-1897	0	0	58.5	1810
02-012	02-600452	15–20	RE02-07-1896	0	0	58.5	1810
02-012	02-600453	0–0.5	RE02-07-1898	0	0	30.9	1885
02-012	02-600453	4.5–10	RE02-07-1899	0	0	69	1008
02-012	02-600453	10–20	RE02-07-1901	0	0	69	1008
02-012	02-600453	10–20	RE02-07-1914	0	0	69	1008
02-012	02-600454	0–0.5	RE02-07-1903	0	0	74	982
02-012	02-600454	4.5–9.5	RE02-07-1904	0	0	74	982
02-012	02-600454	9.5–16	RE02-07-1906	0	0	74	982
02-012	02-600455	0–0.5	RE02-07-1908	0	0	48	1767
02-012	02-600455	4.5–10	RE02-07-1909	0	0	26	1058
02-012	02-600455	10–17	RE02-07-1911	0	0	26	1058
02-012	02-600485	0–0.5	RE02-07-2075	0	0	41	2530
02-012	02-600485	4.5–12	RE02-07-2076	0	0	46.3	1811
02-012	02-600485	14–19	RE02-07-2078	0	0	46.3	1811
02-012	02-600486	0–0.5	RE02-07-2080	0	0	65	2790
02-012	02-600486	4.5–9	RE02-07-2081	0	0	29.4	2050

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
02-012	02-600486	16–21	RE02-07-2083	0	0	29.4	2050
02-012	02-600486	16–21	RE02-07-2096	0	0	29.4	2050
02-012	02-600487	0–0.5	RE02-07-2085	0	0	59	2610
02-012	02-600487	4.5–7.5	RE02-07-2086	0	0	51.2	2050
02-012	02-600487	15–19	RE02-07-2088	0	0	51.2	2050
02-012	02-600488	0–0.5	RE02-07-2090	0	0	53	2430
02-012	02-600488	4.5–8	RE02-07-2091	0	0	49	2050
02-012	02-600488	14.5–19	RE02-07-2093	0	0.1	49	2050
02-012	02-600488	14.5–19	RE02-07-2095	0	0.1	49	2050
21-006(e)-99	21-602919	2–3	RE21-07-6466	0	1.6	166	2850
21-006(e)-99	21-602919	7–8	RE21-07-6467	0	2.2	90	3030
21-006(e)-99	21-602919	12–13	RE21-07-6468	0	3.3	117	2940
21-006(e)-99	21-602919	12–13	RE21-07-6884	0	0	77	931
21-006(e)-99	21-602920	2–3	RE21-07-6461	0	0.4	0.02	0.75
21-006(e)-99	21-602920	2–3	RE21-07-6469	0	0.4	20	750
21-006(e)-99	21-602920	7–8	RE21-07-6470	0	0.2	40	990
21-006(e)-99	21-602920	12–13	RE21-07-6471	0	0.4	60	810
21-006(e)-99	21-602921	2–3	RE21-07-6472	0	0.8	0	960
21-006(e)-99	21-602921	7–8	RE21-07-6473	0	0.8	40	850
21-006(e)-99	21-602921	12–13	RE21-07-6474	0	0.6	40	1040
21-006(e)-99	21-602922	2–3	RE21-07-6475	0	0.5	720	650
21-006(e)-99	21-602922	7–8	RE21-07-6476	0	0.8	30	790
21-006(e)-99	21-602922	12–13	RE21-07-6477	0	0.5	40	970
21-006(e)-99	21-602923	2–3	RE21-07-6478	0	0.4	4	540
21-006(e)-99	21-602923	7–8	RE21-07-6479	0	0.5	50	580
21-006(e)-99	21-602923	12–13	RE21-07-6480	0	0.4	20	780
21-006(e)-99	21-602924	2–3	RE21-07-6462	0	0	0.07	0.76
21-006(e)-99	21-602924	2–3	RE21-07-6481	0	0	70	760
21-006(e)-99	21-602924	7–8	RE21-07-6482	0	0	70	840
21-006(e)-99	21-602924	12–13	RE21-07-6483	0	0	60	790
21-006(e)-99	21-602925	2–3	RE21-07-6484	0	1.8	179	1256
21-006(e)-99	21-602925	7–8	RE21-07-6485	0	1.1	174	1120
21-006(e)-99	21-602925	12–13	RE21-07-6486	0	0.3	116	1218
21-006(e)-99	21-602926	2–3	RE21-07-6465	0	0.1	90	1246
21-006(e)-99	21-602926	2–3	RE21-07-6487	0	0.1	79	1354
21-006(e)-99	21-602926	7–8	RE21-07-6488	0	0.1	116	1270
21-006(e)-99	21-602926	12–13	RE21-07-6489	0	0.4	74	1242

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
21-006(e)-99	21-602927	2–3	RE21-07-6490	0	0	120	750
21-006(e)-99	21-602927	7–8	RE21-07-6491	0	0	30	560
21-006(e)-99	21-602927	12–13	RE21-07-6492	0	0	30	730
21-006(e)-99	21-602928	2–3	RE21-07-6493	0	0.1	116	1453
21-006(e)-99	21-602928	7–8	RE21-07-6494	0	0.1	74	1256
21-006(e)-99	21-602928	12–13	RE21-07-6495	0	0.2	116	1270
21-006(e)-99	21-602929	2–3	RE21-07-6496	0	0.4	85	834
21-006(e)-99	21-602929	7–8	RE21-07-6497	0	0.2	101	1214
21-006(e)-99	21-602929	12–13	RE21-07-6498	0	0.1	95	1115
21-006(e)-99	21-602930	2–3	RE21-07-6463	0	0	0.01	0.8
21-006(e)-99	21-602930	2–3	RE21-07-6499	0	0	10	800
21-006(e)-99	21-602930	7–8	RE21-07-6500	0	0	40	810
21-006(e)-99	21-602930	12–13	RE21-07-6501	0	0	10	780
21-006(e)-99	21-602931	2–3	RE21-07-6502	0	0	116	1120
21-006(e)-99	21-602931	7–8	RE21-07-6503	0	0	85	1124
21-006(e)-99	21-602931	12–13	RE21-07-6504	0	0.2	132	1392
21-006(e)-99	21-602932	2–3	RE21-07-6464	0	0.1	69	1181
21-006(e)-99	21-602932	2–3	RE21-07-6505	0	0.1	69	1181
21-006(e)-99	21-602932	7–8	RE21-07-6506	0	0	90	1265
21-006(e)-99	21-602932	12–13	RE21-07-6507	0	0	79	1143
21-006(e)-99	21-602933	2–3	RE21-07-6508	0	0	40	890
21-006(e)-99	21-602933	7–8	RE21-07-6509	0	0	40	910
21-006(e)-99	21-602933	12–13	RE21-07-6510	0	0	70	1030
21-028(c)	21-601066	2–3	RE21-07-5100	0	0.1	40	300
21-028(c)	21-601066	7–8	RE21-07-5101	0	0	40	500
21-028(c)	21-601066	12–13	RE21-07-6384	0	0.1	90	700
21-028(c)	21-601067	2–3	RE21-07-5102	0	0	40	400
21-028(c)	21-601067	2–3	RE21-07-5140	0	0	0.04	0.4
21-028(c)	21-601067	7–8	RE21-07-5103	0	0.3	30	330
21-028(c)	21-601067	12–13	RE21-07-6388	0	0.2	90	880
21-028(c)	21-601068	2–3	RE21-07-5104	0	0.4	100	220
21-028(c)	21-601068	7–8	RE21-07-5105	0	0.6	30	662
21-028(c)	21-601068	12–13	RE21-07-6377	0	0.4	30	640
21-028(c)	21-601069	2–3	RE21-07-5106	0	0.3	110	320
21-028(c)	21-601069	7–8	RE21-07-5107	0	0.1	4	600
21-028(c)	21-601069	12–13	RE21-07-6376	0	0.3	10	740
21-028(c)	21-601070	2–3	RE21-07-5108	0	5.5	0	270

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
21-028(c)	21-601070	2–3	RE21-07-5146	0	0.1	11	316
21-028(c)	21-601070	7–8	RE21-07-5109	0	0.1	0	700
21-028(c)	21-601070	12–13	RE21-07-6394	0	0.9	90	710
21-028(c)	21-601071	2–3	RE21-07-5110	0	0.2	50	440
21-028(c)	21-601071	7–8	RE21-07-5111	0	0.3	4	620
21-028(c)	21-601071	12–13	RE21-07-6383	0	0.1	70	890
21-028(c)	21-601072	2–3	RE21-07-5112	0	0.1	20	190
21-028(c)	21-601072	7–8	RE21-07-5113	0	0.3	40	790
21-028(c)	21-601072	12–13	RE21-07-6378	0	0.4	0	330
21-028(c)	21-601073	2–3	RE21-07-5114	0	0.2	40	71
21-028(c)	21-601073	2–3	RE21-07-5141	0	0.2	0.04	0.71
21-028(c)	21-601073	7–8	RE21-07-5115	0	0.1	30	830
21-028(c)	21-601073	12–13	RE21-07-6393	0	0.4	20	450
21-028(c)	21-601074	2–3	RE21-07-5116	0	0.1	100	530
21-028(c)	21-601074	7–8	RE21-07-5117	0	0	60	970
21-028(c)	21-601074	12–13	RE21-07-6387	0	0	0	860
21-028(c)	21-601075	2–3	RE21-07-5118	0	0.2	70	640
21-028(c)	21-601075	7–8	RE21-07-5119	0	0.1	4	690
21-028(c)	21-601075	12–13	RE21-07-6390	0	0.3	40	950
21-028(c)	21-601076	2–3	RE21-07-5120	0	0.3	50	870
21-028(c)	21-601076	7–8	RE21-07-5121	0	0.3	10	920
21-028(c)	21-601076	12–13	RE21-07-6382	0	0	20	850
21-028(c)	21-601077	2–3	RE21-07-5122	0	0.2	10	450
21-028(c)	21-601077	2–3	RE21-07-5142	0	0.2	0.01	0.45
21-028(c)	21-601077	7–8	RE21-07-5123	0	0.2	50	730
21-028(c)	21-601077	12–13	RE21-07-6395	0	0.1	40	880
21-028(c)	21-601078	2–3	RE21-07-5124	0	0.5	100	370
21-028(c)	21-601078	7–8	RE21-07-5125	0	0.6	0	550
21-028(c)	21-601078	12–13	RE21-07-6389	0	0.8	0	370
21-028(c)	21-601079	2–3	RE21-07-5126	0	0	20	360
21-028(c)	21-601079	2–3	RE21-07-6386	0	0	0.2	0.36
21-028(c)	21-601079	7–8	RE21-07-5127	0	0.1	30	710
21-028(c)	21-601079	12–13	RE21-07-6381	0	0	200	850
21-028(c)	21-601080	2–3	RE21-07-5128	0	0.1	10	870
21-028(c)	21-601080	7–8	RE21-07-5129	0	0.8	70	370
21-028(c)	21-601080	12–13	RE21-07-6391	0	0.1	30	420
21-028(c)	21-601081	2–3	RE21-07-5130	0	0.2	20	430

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
21-028(c)	21-601081	7–8	RE21-07-5131	0	0.2	0	680
21-028(c)	21-601081	12–13	RE21-07-6392	0	0.2	10	360
21-028(c)	21-601082	2–3	RE21-07-5132	0	0.1	30	90
21-028(c)	21-601082	7–8	RE21-07-5133	0	0	70	680
21-028(c)	21-601082	12–13	RE21-07-6385	0	0	40	650
26-001	26-600773	3.1–5	RE26-07-3507	0	0	21	1912
26-001	26-600773	5.1–7.1	RE26-07-3508	0	0	21	1912
26-001	26-600773	7.5–9	RE26-07-3509	0	0	21	1912
26-001	26-600774	3.1–5.1	RE26-07-3510	0	0	21	1912
26-001	26-600774	5.1–7	RE26-07-3511	0	0	21	1912
26-001	26-600774	7.6–9	RE26-07-3512	0	0	21	1912
26-001	26-600775	0.5–1.5	RE26-07-3513	0	0	52.2	2740
26-001	26-600775	2.5–3	RE26-07-3514	0	0	52.2	2740
26-001	26-600776	0.6–1.1	RE26-07-3516	0	0	30	2330
26-001	26-600776	2.6–3.1	RE26-07-3517	0	0	30	2330
26-001	26-600777	0.8–1.9	RE26-07-3522	0	0	15	1510
26-001	26-600778	2.5–3.1	RE26-07-3519	0	0	15	1510
26-001	26-600778	2.8–3.4	RE26-07-3523	0	0	15	1510
26-001	26-600779	0.5–1.4	RE26-07-3525	0	0	63	2740
26-001	26-600779	2.5–2.9	RE26-07-3526	0	0	63	2740
26-001	26-600780	0.7–1.2	RE26-07-3528	0	0	51.3	2340
26-001	26-600780	3.2–3.9	RE26-07-3529	0	0	51.3	2640
26-001	26-600781	0.8–1.6	RE26-07-3531	0	0	29	2490
26-001	26-600781	2.8–3.4	RE26-07-3532	0	0	29	2490
26-001	26-600781	4.8–5.8	RE26-07-3533	0	0	29	2490
26-001	26-600781	4.8–5.8	RE26-07-3568	0	0	29	2490
26-001	26-600783	1–2.5	RE26-07-3537	0	0	15	1510
26-001	26-600783	3.5–4.5	RE26-07-3538	0	0	15	1510
26-001	26-600783	5.5–6.1	RE26-07-3539	0	0	15	1510
26-001	26-600784	0.7–1.3	RE26-07-3540	0	0	37	2770
26-001	26-600784	2.7–3.3	RE26-07-3541	0	0	37	2770
26-001	26-600785	0.8–1.3	RE26-07-3543	0	0	91.2	2760
26-001	26-600785	2–3.3	RE26-07-3544	0	0	91.2	2760
26-001	26-600785	4.8–5.3	RE26-07-3545	0	0	91.2	2760
26-001	26-600786	0.5–1.2	RE26-07-3546	0	0	89.4	3040
26-001	26-600787	0.7–1.2	RE26-07-3549	0	0	61.6	2920
26-001	26-600787	2.7–3.2	RE26-07-3550	0	1	61.6	2920

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
26-001	26-600788	0.7–1.2	RE26-07-3552	0	0	46	2860
26-001	26-600788	2.7–3.2	RE26-07-3553	0	0	46	2860
26-001	26-600788	4.7–5.2	RE26-07-3554	0	0	46	2860
26-001	26-600789	0.5–1	RE26-07-3555	0	0	36.6	2770
26-001	26-600789	2.5–3	RE26-07-3556	0	0	36.6	2770
26-001	26-600789	4.5–5	RE26-07-3557	0	0	36.6	2770
26-001	26-600790	0.7–1.2	RE26-07-3558	0	0	23	2300
26-001	26-600790	2.7–3.2	RE26-07-3559	0	0	23	2300
26-001	26-600791	0.5–1	RE26-07-3561	0	0	56.6	3020
26-001	26-600791	2.5–3.2	RE26-07-3562	0	0	56.6	3020
26-001	26-600792	0.5–2	RE26-07-3564	0	0	83.8	2680
26-001	26-600792	0.5–2	RE26-07-3567	0	0	83.8	2680
26-001	26-600792	2.5–3.2	RE26-07-3565	0	0	83.8	2680
26-001	26-600910	3.5–5.5	RE26-08-7047	0	0	36.1	1865
26-001	26-600910	5.5–8.5	RE26-08-7048	0	0	36.1	1865
26-001	26-600910	8.5–11	RE26-08-7049	0	0	36.1	1865
26-001	26-600911	0.5–3.5	RE26-08-7044	0	0	36.1	1865
26-001	26-600911	3.5–5.5	RE26-08-7045	0	0	36.1	1865
26-001	26-600911	5.5–8.5	RE26-08-7046	0	0	36.1	1865
26-001	26-600912	0.8–3.5	RE26-08-7041	0	0	36.1	1865
26-001	26-600912	3.5–5.5	RE26-08-7042	0	0	36.1	1865
26-001	26-600912	5.5–11	RE26-08-7031	0	0	36.1	1865
26-001	26-600912	5.5–11	RE26-08-7043	0	0	36.1	1865
26-001	26-600913	0.5–3.5	RE26-08-7038	0	0	36.1	1865
26-001	26-600913	3.5–5.5	RE26-08-7039	0	0	36.1	1865
26-001	26-600913	5.5–8.5	RE26-08-7040	0	0	36.1	1865
26-001	26-600914	0.5–2.7	RE26-08-7035	0	0	41.6	2140
26-001	26-600914	3.5–6	RE26-08-7036	0	0	41.6	2140
26-001	26-600914	6–8.5	RE26-08-7037	0	0	41.6	2140
26-001	26-600915	1.5–2	RE26-07-4215	0	0	17.4	2200
26-001	26-600915	3.5–4.5	RE26-07-4216	0	0	32.1	2280
26-001	26-600915	6–7.5	RE26-07-4217	0	0	32.1	2280
26-001	26-600916	1–3.5	RE26-07-4218	0	0	21	1912
26-001	26-600916	3.5–5.5	RE26-07-4219	0	0	21	1912
26-001	26-600916	5.5–9.5	RE26-07-3469	0	0	21	1912
26-001	26-600916	5.5–9.5	RE26-07-4220	0	0	21	1912
26-001	26-600917	0–2.5	RE26-07-4221	0	0	30	2090

Table 1.3-4 (continued)

SWMU/AOC	Location ID	Depth (ft)	Sample Number	PID, Ambient (ppm)	PID, Head Space (ppm)	Alpha (dpm)*	Beta/Gamma (dpm)
26-001	26-600917	2.5–5	RE26-07-4222	0	0	30	2090
26-001	26-600917	5–9	RE26-07-3471	0	0	30	2090
26-001	26-600917	5–9	RE26-07-4223	0	0	30	2090
26-001	26-600918	2.1–2.6	RE26-07-4224	0	0	17.4	2200
26-001	26-600918	4.1–5.6	RE26-07-4225	0	0	32.1	2280
26-001	26-600918	6.6–13.5	RE26-07-3468	0	0	32.1	2280
26-001	26-600918	6.6–13.5	RE26-07-4226	0	0	32.1	2208
26-001	26-600919	2.6–3.1	RE26-07-4227	0	0	17.4	3200
26-001	26-600919	4.6–7	RE26-07-4228	0	0	46	2430
26-001	26-600919	8–10.2	RE26-07-4229	0	0	46	2430
26-001	26-600920	2.5–3	RE26-07-4230	0	0	17.4	2200
26-001	26-600920	3.5–5	RE26-07-4231	0	0	17.4	2200
26-001	26-600920	7–9	RE26-07-4232	0	0	55	3010
26-001	26-600921	0.9–2.1	RE26-07-4233	0	0	29	2390
26-001	26-600921	2.9–3.5	RE26-07-4234	0	0	32	1647
26-001	26-600922	1–1.8	RE26-07-4236	0	0	23	2140
26-001	26-600923	1.2–1.7	RE26-07-4239	0	0	26.6	2470
26-001	26-600924	0.5–3	RE26-08-7032	0	0	36.1	1865
26-001	26-600924	3.5–5.5	RE26-08-7033	0	0	36.1	1865
26-001	26-600924	5.5–11	RE26-08-7030	0	0	36.1	1865
26-001	26-600924	5.5–11	RE26-08-7034	0	0	36.1	1865
26-001	26-600925	0.5–3	RE26-07-4245	0	0	45.9	2130
26-001	26-600925	3–5.5	RE26-07-4246	0	0	45.9	2130
26-001	26-600925	5.5–8	RE26-07-4247	0	0	19.4	2130
26-001	26-600926	0.8–1.4	RE26-07-4248	0	0	24	2240
26-001	26-600926	2.8–3.2	RE26-07-4249	0	0	24	2240
26-001	26-600927	2–3	RE26-07-4251	0	0	38	1938
26-001	26-600928	0–2.5	RE26-07-4254	0	0	50	2210
26-001	26-600928	2.5–4.5	RE26-07-4255	0	0	50	2210
26-001	26-600928	4.5–6.9	RE26-07-4256	0	0	50	2210
26-001	26-600929	2.5–4.7	RE26-07-4257	0	0	21	1912
26-001	26-600929	4.5–7	RE26-07-4258	0	0	21	1912
26-001	26-600929	7–10.8	RE26-07-3470	0	0	21	1912
26-001	26-600929	7–10.8	RE26-07-4259	0	0	21	1912

* dpm = Disintegrations per minute.

Table 2.2-1
Summary of Inorganic Chemicals above BV at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na[b]**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels (SSLs)[c]				**100000**	**454**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
CA02-00-0140	02-01241	3.0–4.0	FILL	—[e]	—	—	—	—	—	—	—	—	—	—	—	NA[f]	NA	—	—	170
CA02-00-0144	02-01242	0.0–1.0	ALLH	—	—	—	—	—	—	77	—	—	—	—	—	NA	NA	—	—	—
CA02-00-0145	02-01242	2.5–4.0	ALLH	—	—	—	—	0.84	—	—	—	—	—	—	—	NA	NA	—	—	50
CA02-00-0147	02-01242	10.5–14.5	ALLH	—	—	—	—	—	—	—	—	29	1000	—	—	NA	NA	—	—	110
RE02-07-670	02-600118	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.322	—	0.814 (J-)	0.000827 (J-)	—	—	50.4
RE02-07-673	02-600118	9.5–12.0	QBO	9980	—	2.74	55.8	0.59 (U)	9.65	4.06	5910	—	212	—	4.23	—	—	1.2 (J)	6.46	—
RE02-07-6820	02-600118	14.5–19.0	QBO	7110 (J+)	0.52 (U)	1.9 (U)	50.9	0.634 (U)	4.06 (J+)	—	5580	—	—	—	—	—	—	7.79	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	1.26 (J+)	—	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	—	—	0.651	—	—	—	—	—	—	—	2.72 (J+)	0.00269	1.61 (U)	—	—
RE02-07-676	02-600119	15.0–21.0	QBO	6590	—	0.659 (J)	—	0.612 (U)	94.2 (J)	—	6430	—	258	—	43.1	—	—	1.84 (U)	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	—	—	—	—	1.05	—	—	—	—	—	—	—	1.72 (J+)	0.00565	—	—	49.1
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	—	—	0.535 (U)	123	—	—	—	—	—	22.4 (U)	—	—	—	—	—
RE02-07-680	02-600120	14.5–17.8	QBO	6240	—	1.21 (J)	32.6	0.541 (U)	30.7 (U)	—	6270	—	276	—	8.34 (U)	—	—	0.68 (U)	5.75	—
RE02-07-682	02-600121	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	1.18	—	1.18 (J-)	—	—	—	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	—	—	—	20.8	—	—	—	—	—	—	—	—	—	—	—
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	—	—	20	—	—	—	—	—	—	—	—	—	—	—
RE02-07-684	02-600121	15.0–21.0	QBO	7110	—	0.797 (J)	—	0.56 (U)	17.8 (U)	—	5400 (J+)	—	231	—	4.04 (U)	—	0.000628 (J)	1.68 (U)	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.146	—	—	—	—	—	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	1.3 (J-)	—	—	—	53.7 (J+)
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	1.39 (J-)	0.000596 (J)	—	—	—
RE02-07-689	02-600123	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.408	—	2.13 (J-)	—	1.54 (U)	—	—
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	—	—	2.23	—	—	—	—	—	0.545	—	—	—	—	—	49
RE02-07-691	02-600123	4.5–6.7	QAL	—	—	—	—	0.453 (J)	—	—	—	—	—	—	—	—	0.000608 (J)	—	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.355	—	—	—	—	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	0.548 (U)	—	—	—	—	—	0.226	—	—	—	—	—	—
RE02-07-694	02-600124	4.5–5.7	QAL	—	—	—	—	0.531 (U)	—	—	—	—	—	—	—	—	—	1.59 (U)	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.2-2
Summary of Organic Chemicals Detected at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSL[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-670	02-600118	0.0–0.5	ALLH	—[c]	0.0104 (J)	—	0.74	—	0.0298 (J)	0.0327 (J)	0.0121 (J)	—	—
RE02-07-6820	02-600118	14.5–19.0	QBO	—	—	—	0.0886	—	—	—	—	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	0.0136 (J)	0.0214 (J)	0.171	0.262	0.0683	0.0974	—	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	0.513	0.185	—	—	—	—	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	—	—	0.0094	0.0109	0.0285 (J)	—	—	—	—	—
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	0.0624	0.0045	—	—	—	—	—	—
RE02-07-682	02-600121	0.0–0.5	ALLH	—	0.007 (J)	0.0116 (J)	—	0.0267 (J)	0.099	0.0436	—	—	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	0.0587	0.0574	0.0122 (J)	—	—	—	—	—
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	0.0066	—	—	—	—	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	—	—	0.0183 (J)	0.0191 (J)	—	—	—	—	—	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	—	0.653	1.25	0.0328 (J)	0.0278 (J)	0.0327 (J)	0.0203 (J)	0.0182 (J)	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	0.0776	0.0226	—	—	—	—	—	0.153 (J)
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	—	0.0018 (J)	0.0125 (J)	—	—	—	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	—	—	—	—	—	—

Table 2.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dichlorobenzene[1,4-]	Fluoranthene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**2310**	**103**	**24400**	**23.4**	**490**	**300**	**20500**	**30900**	**252**
RE02-07-670	02-600118	0.0–0.5	ALLH	0.021 (J)	—	0.0345 (J)	—	NA[d]	0.0111 (J)	0.0344 (J)	0.0356 (J)	NA
RE02-07-6820	02-600118	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	0.0649	—	0.173	—	NA	—	0.0942	0.158	NA
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	0.0102 (J)	—	—	—	—	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	0.0232 (J)	—	0.0538	—	NA	—	0.0253 (J)	0.0557	NA
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	0.0163 (J)	—	—	—	0.0145 (J)	0.0137 (J)	0.000362 (J)
RE02-07-682	02-600121	0.0–0.5	ALLH	0.028 (J)	—	0.0514	0.0554	NA	—	0.0372	0.0462	NA
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	0.0114 (J)	—	0.00452 (J)	—	—	—	0.00037 (J)
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	—	—	—	—	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	0.0152 (J)	—	0.0182 (J)	—	NA	—	0.0111 (J)	0.0327 (J)	NA
RE02-07-687	02-600122	2.0–4.5	QAL	0.0287 (J)	0.000563 (J)	0.0568	0.0165 (J)	—	—	0.0279 (J)	0.048	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	0.0141 (J)	—	0.00355 (J)	—	0.0107 (J)	0.0114 (J)	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	0.0145 (J)	—	NA	—	—	0.0253 (J)	NA
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	—	—	—	0.0151 (J)	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

Table 2.2-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**
Industrial Screening Action Levels[d]				**180**	**9.7**	**210**	**1900**	**440000**
0402-95-0294	02-01042	0.0–1.0	QBT2	—[e]	—	—	—	0.0209342
0402-95-0295	02-01042	3.5–4.5	QBT2	—	—	—	—	0.0375419
0402-95-0296	02-01042	7.5–8.5	QBT2	—	—	—	—	0.0887023
0402-95-0297	02-01042	10.0–15.0	QBT2	—	—	—	—	0.0678363
CA02-00-0140	02-01241	3.0–4.0	FILL	—	33.3	3.34	7.66 (J-)	0.0319462
CA02-00-0141	02-01241	7.5–8.5	FILL	—	1.6	—	43 (J-)	0.107304
CA02-00-0142	02-01241	11.5–12.5	ALLH	—	0.165	—	—	—
CA02-00-0143	02-01241	15.0–16.5	ALLH	0.0649	0.0471	—	—	0.0356339
CA02-00-0144	02-01242	0.0–1.0	ALLH	—	0.139	—	—	—
CA02-00-0145	02-01242	2.5–4.0	ALLH	—	0.264	0.177	0.374 (J-)	—
CA02-00-0148	02-01242	15.0–16.0	ALLH	—	0.232	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	6.5	0.119	2.07	0.0361173
RE02-07-678	02-600120	0.0–0.5	ALLH	—	5.7	0.252	—	0.011825
RE02-07-679	02-600120	4.5–7.6	QAL	—	8.96	0.0393	4.69	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	2.22	1.49	0.745	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	3.65	0.115	0.367	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	48.4	0.247	8.85	0.0423011
RE02-07-691	02-600123	4.5–6.7	QAL	—	0.215	0.706	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	0.084	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	0.245	0.0886	—	0.0345
RE02-07-694	02-600124	4.5–5.7	QAL	—	0.144	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.3-1
Summary of Inorganic Chemicals above BV at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Selenium	Vanadium
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na[b]**	**1.52**	**39.6**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**0.3**	**4.59**
SED BV[a]				**15400**	**3.98**	**127**	**0.4**	**10.5**	**11.2**	**13800**	**543**	**0.1**	**9.38**	**na**	**0.3**	**19.7**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**48400**	**340[d]**	**22700**	**100000**	**5680**	**1140**
RE02-07-696	02-600125	0.0–0.5	ALLH	—[e]	—	—	0.512 (U)	—	—	—	—	—	—	1.62 (J)	—	—
RE02-07-697	02-600125	4.5–9.0	QAL	—	—	—	0.547 (U)	—	—	—	—	—	—	2.74	1.64 (U)	—
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	0.515 (U)	—	—	—	—	—	—	—	1.54 (U)	—
RE02-07-699	02-600125	14.5–16.7	QBO	8130	0.99 (J)	—	0.592 (U)	58.7 (U)	—	5760	199	—	3.42 (U)	—	1.78 (U)	—
RE02-07-701	02-600126	0.0–0.5	ALLH	—	—	—	0.49 (U)	—	—	—	—	—	—	—	—	—
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	0.544 (U)	—	—	—	—	—	—	1.45 (J)	1.63 (U)	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	—	0.552 (U)	—	—	—	—	—	—	—	1.65 (U)	—
RE02-07-704	02-600126	14.5–16.7	QBO	9950	1.15 (J)	61.7	0.575 (U)	8.77 (U)	—	6440	199	—	3.26 (U)	—	1.73 (U)	—
RE02-07-706	02-600127	0.0–0.5	ALLH	—	—	—	0.505 (U)	—	—	—	—	—	—	7.94 (J)	—	—
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	—	0.534 (U)	—	—	—	—	—	—	1.22	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	7190	1.49 (J)	48	0.562 (U)	15	4.47	8300	235	—	3.12	1.92	1.69 (U)	10.4 (J)
RE02-07-711	02-600128	0.0–0.5	SED	—	—	—	0.521 (U)	—	—	—	—	—	—	3.55 (J)	1.56 (U)	—
RE02-07-716	02-600129	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	0.443	—	3.09 (J)	—	—

Note: All values in mg/kg

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.3-2
Summary of Organic Chemicals Detected at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial SSLs[b]				**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
0402-95-0279	02-01104	9.0–10.0	QBT2	—[c]	NA[d]	NA	NA	—	—	—	—	—
0402-95-0280	02-01104	13.0–14.0	QBT2	—	NA	NA	NA	—	—	—	—	—
RE02-07-696	02-600125	0.0–0.5	ALLH	—	—	0.844	0.369	—	—	—	—	—
RE02-07-697	02-600125	4.5–9.0	QAL	—	—	0.103 (J-)	0.0423 (J-)	—	—	—	—	—
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	0.0016 (J)	—	—	—	—	—
RE02-07-701	02-600126	0.0–0.5	ALLH	0.00862 (J)	—	0.0242	0.0131	—	—	0.0105 (J)	—	—
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	0.0035 (J)	0.0022 (J)	—	—	—	—	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	0.0076	—	0.0022 (J)	—	—	—	—	—
RE02-07-706	02-600127	0.0–0.5	ALLH	—	—	0.0559	0.025	—	—	—	—	—
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	0.0067	0.0058	—	—	—	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	—	—	—	0.0015 (J)	—	—	—	—	—
RE02-07-711	02-600128	0.0–0.5	SED	0.0158 (J)	—	0.0644	0.0896	0.0831	0.114	0.164	0.0467 (J)	0.0654
RE02-07-716	02-600129	0.0–0.5	ALLH	0.0351	—	0.0079	0.0093	0.0609	0.0709	0.0814	—	0.039

Table 2.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzene[n-]	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Pyrene	Trimethylbenzene[1,2,4-]
Industrial SSLs[b]				**62.1**	**2310**	**68400**	**24400**	**26500**	**389**[e]	**300**[f]	**30900**	**213**
0402-95-0279	02-01104	9.0–10.0	QBT2	NA	—	0.2 (J)	—	—	NA	—	—	NA
0402-95-0280	02-01104	13.0–14.0	QBT2	NA	—	0.067 (J)	—	—	NA	—	—	NA
RE02-07-696	02-600125	0.0–0.5	ALLH	NA	—	—	0.0138 (J)	—	NA	—	0.0111 (J)	NA
RE02-07-697	02-600125	4.5–9.0	QAL	0.000661 (J)	—	—	—	—	0.000403 (J)	—	—	0.000229 (J)
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	—	—	—	—	—	—
RE02-07-701	02-600126	0.0–0.5	ALLH	NA	—	—	0.0125 (J)	—	NA	—	—	NA
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—
RE02-07-706	02-600127	0.0–0.5	ALLH	NA	—	—	—	—	NA	—	—	NA
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	—	0.0124 (J)	—	—	—	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	—	—	—	—	—	—	—	—	—
RE02-07-711	02-600128	0.0–0.5	SED	NA	0.107	—	0.228	—	NA	—	0.175	NA
RE02-07-716	02-600129	0.0–0.5	ALLH	NA	0.0538	—	0.134	0.0223 (J)	NA	0.0137 (J)	0.103	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table 2.3-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**
SED Background/Fallout Value[b]				**0.9**	**0.006**	**1.04**	**0.093**
Industrial Screening Action Levels[d]				**9.7**	**210**	**1900**	**440000**
0402-95-0279	02-01104	9.0–10.0	QBT2	—[e]	—	0.96	0.191079
0402-95-0280	02-01104	13.0–14.0	QBT2	—	—	—	0.304311
RE02-07-697	02-600125	4.5–9.0	QAL	4.46	0.542	0.96	0.0262783
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	0.032082
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	0.173	0.0295674
RE02-07-704	02-600126	14.5–16.7	QBO	—	—	—	0.0408605
RE02-07-707	02-600127	4.5–6.4	QAL	0.171	0.267 (J-)	—	—
RE02-07-711	02-600128	0.0–0.5	SED	—	0.631	—	—
RE02-07-716	02-600129	0.0–0.5	ALLH	—	0.768	—	0.0110688

Note: All values in pCi/g.
[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.
[b] BVs/FVs are from LANL (1998, 059730).
[c] na = Not available.
[d] All values from LANL (2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.4-1
Summary of Inorganic Chemicals above BV at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**0.73**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1.22**	**4.59**	**40**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**11.2**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**0.73**	**19.7**	**60.2**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**45400**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
CA02-00-0125	02-01237	8.0–8.75	ALLH	—[e]	—	—	—	—	—	—	—	—	—	—	0.11	—	NA[f]	NA	—	—	—	—
RE02-07-6177	02-600196	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.255	—	1.36	0.000591 (J)	1.61 (U)	—	—	54.1
RE02-07-806	02-600196	0.0–4.5	ALLH	—	—	—	—	0.505 (U)	—	—	—	—	—	—	0.292 (J)	—	—	0.000745 (J-)	—	—	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	—	—	—	0.525 (U)	—	23.2	—	—	—	—	0.174 (J)	—	—	—	—	—	—	—
RE02-07-808	02-600196	19.0–22.0	QBO	8750	0.513 (UJ)	1.16 (J)	—	0.66 (U)	—	13.4	—	7030	—	309	—	4.46	—	—	1.98 (U)	—	—	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	—	—	380 (J+)	—	—	—	33.6	—	—	—	0.457	—	2.53	—	—	—	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	—	—	2230	0.524 (U)	7440	21.3	18.7	—	36.9	—	—	—	1.74	—	11	—	—	—
RE02-07-813	02-600197	9.5–12.0	QAL	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—	—	—	—	7.29	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	13600	0.55 (UJ)	1.52 (J)	83.6	0.683 (U)	—	3.69	—	5160	—	198 (J+)	—	—	—	—	9.11	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	—	—	—	0.519 (U)	—	—	43.9	—	—	—	0.229	—	—	—	14.6	—	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	0.521 (U)	—	—	—	—	—	—	—	—	—	—	7.71	—	—	—
RE02-07-817	02-600198	14.5–19.5	QAL	—	—	—	—	0.567 (U)	—	—	—	—	—	—	—	—	—	0.000712 (J)	6.82	—	—	—
RE02-07-816	02-600198	19.5–24.5	QBO	8420	0.551 (UJ)	0.727 (J)	—	0.678 (U)	—	8.2	—	5450	—	258	—	2.01	—	—	7.56	—	—	—
RE02-07-818	02-600199	0.0–0.5	ALLH	—	—	—	—	0.547 (U)	—	—	—	—	—	—	0.144	—	1.22	—	6.68	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	—	0.514 (U)	—	—	—	—	—	—	—	—	—	0.00113 (J)	7.83	8.21	—	—
RE02-07-822	02-600200	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.243 (J-)	—	1.86 (J)	—	—	—	—	—
RE02-07-823	02-600200	4.5–7.0	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—	—	2.95	—	1.57 (U)	—	—	—
RE02-07-825	02-600200	9.5–14.5	QBO	—	—	1.69 (J)	—	0.567 (U)	—	6.41 (J)	—	7360 (J)	—	205 (J)	—	—	—	—	0.61 (J)	—	7.63 (J)	—
RE02-07-824	02-600200	14.5–19.5	QBO	11600	—	0.793 (J)	42.3 (J+)	0.597 (U)	—	6.84 (J)	—	6430 (J)	—	235 (J)	—	2.63	—	—	1.79 (U)	—	—	—
RE02-07-826	02-600201	0.0–0.5	ALLH	—	—	—	—	—	—	—	80	—	—	—	—	—	0.858 (J)	—	1.54 (U)	—	—	61.6
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	—	0.553 (U)	—	—	—	—	—	—	—	—	1.62	—	8.56	—	—	—
RE02-07-829	02-600201	9.5–11.5	QAL	—	—	—	—	0.571 (U)	—	—	—	—	—	—	—	—	—	—	6.19	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	5270	—	1.14 (J)	—	0.58 (U)	—	8.15	—	5300	—	—	—	—	—	—	6.73	—	4.87	—
RE02-07-830	02-600202	0.0–0.5	ALLH	—	—	—	—	0.506 (U)	—	—	—	—	—	—	0.683	—	1.87	—	—	—	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	—	—	—	—	0.507 (U)	—	—	—	—	—	—	2.43	—	1.59	—	—	—	—	—
RE02-07-834	02-600203	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.52	—	—	—	—	—	—	—
RE02-07-835	02-600203	4.5–6.5	QAL	—	—	—	1550	0.522 (U)	—	—	—	—	62	—	0.797	—	1.62	—	7.18	—	—	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	—	—	—	0.544 (U)	—	—	—	—	—	—	—	—	—	—	9.4	—	—	—
RE02-07-836	02-600203	14.0–16.5	QBO	3790 (J+)	—	2	31.6	0.586 (U)	—	6.32	—	6740	—	289	—	4.69	—	—	8.25	—	6.62	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	1.11	—	1.41 (J-)	—	1.56 (U)	—	—	—

Table 2.4-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**0.73**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1.22**	**4.59**	**40**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**11.2**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**0.73**	**19.7**	**60.2**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**45400**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
RE02-07-839	02-600204	4.5–9.5	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—	—	—	—	1.57 (U)	—	—	—
RE02-07-841	02-600204	9.5–14.0	QAL	—	—	—	—	0.543 (U)	—	—	—	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-840	02-600204	19.0–24.0	QBO	8610	—	2.76	55.8	0.58 (U)	—	6.99	—	8750	—	251	—	3.78	—	—	1.74 (U)	—	10.2	—
RE02-07-842	02-600205	0.0–0.5	SED	—	—	—	—	0.59 (U)	—	—	—	—	—	—	—	—	—	—	1.18 (J)	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.4-2
Summary of Organic Chemicals Detected at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
RE02-07-6177	02-600196	0.0–0.5	A LLH	—[c]	NA[d]	0.00767 (J)	0.0065	0.0077 (J)	0.0294 (J)	—	0.0586	—	—
RE02-07-806	02-600196	0.0–4.5	ALLH	—	NA	0.0132 (J)	—	0.0019 (J)	—	—	0.0584	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.0101	—	—	0.0047	—	—	0.0192 (J)	—	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	NA	0.0125 (J)	NA	NA	0.0702	0.0858 (J)	0.132 (J)	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	—	—	NA	NA	0.0232 (J)	0.0197 (J)	0.0214 (J)	—	—
RE02-07-813	02-600197	9.5–12.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	—	—	—	NA	NA	—	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	NA	—	NA	NA	—	—	—	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-829	02-600201	9.5–11.5	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	—	—	—	NA	NA	—	—	—	—	—
RE02-07-830	02-600202	0.0–0.5	ALLH	—	NA	—	NA	NA	—	0.0231 (J)	0.0213 (J)	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	NA	—	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-834	02-600203	0.0–0.5	ALLH	—	NA	—	NA	NA	—	0.0258 (J)	0.0257 (J)	—	—
RE02-07-835	02-600203	4.5–6.5	QAL	0.0167 (J)	—	0.0185 (J)	NA	NA	0.0609	0.108	0.0802	0.0434	0.0393
RE02-07-837	02-600203	9.0–11.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	NA	—	NA	NA	0.0334 (J)	0.0403	0.0552	0.0137 (J)	—
RE02-07-842	02-600205	0.0–0.5	SED	—	NA	0.00967 (J-)	NA	NA	0.0628 (J-)	—	0.0841 (J-)	—	—

Table 2.4-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chloroform	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**9.59**	**2310**	**24400**	**23.4**	**300**[e]	**300**	**20500**	**30900**	**252**
RE02-07-6177	02-600196	0.0–0.5	A LLH	NA	0.0383	0.0641	—	—	—	0.0342 (J)	0.0599	NA
RE02-07-806	02-600196	0.0–4.5	ALLH	NA	0.0322 (J)	0.0576	—	—	—	0.0494	0.0548	NA
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.0161 (J)	0.0252 (J)	—	—	—	0.0203 (J)	0.025 (J)	0.000892 (J)
RE02-07-810	02-600197	0.0–0.5	ALLH	NA	0.0891	0.103	—	—	—	0.0702	0.131	NA
RE02-07-811	02-600197	4.5–9.5	QAL	0.000265 (J)	0.0152 (J)	0.0239 (J)	—	—	—	0.0191 (J)	0.0245 (J)	0.000458 (J)
RE02-07-813	02-600197	9.5–12.0	QAL	0.000288 (J)	—	—	—	—	—	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	0.000322 (J)	—	—	—	—	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	NA	—	0.0149 (J)	—	—	—	—	0.0141 (J)	NA
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000928 (J)
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	—	—	—	—	—	0.00037 (J)
RE02-07-827	02-600201	4.5–6.7	QAL	0.000319 (J)	—	—	—	—	—	—	—	0.000665 (J)
RE02-07-829	02-600201	9.5–11.5	QAL	0.000257 (J)	—	—	—	—	—	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	0.000266 (J)	—	—	—	—	—	—	—	—
RE02-07-830	02-600202	0.0–0.5	ALLH	NA	0.0144 (J)	0.0197 (J)	—	—	—	0.0141 (J)	0.0155 (J)	NA
RE02-07-831	02-600202	4.5–6.2	QAL	—	NA	NA	NA	NA	NA	NA	NA	0.000394 (J)
RE02-07-834	02-600203	0.0–0.5	ALLH	NA	0.0149 (J)	0.0218 (J)	—	—	—	0.0167 (J)	0.0155 (J)	NA
RE02-07-835	02-600203	4.5–6.5	QAL	—	0.072	0.116	0.158	0.00792 (J)	0.0161 (J)	0.0945	0.102	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	0.0228 (J)	0.0322 (J)	—	—	—	0.0327 (J)	0.0304 (J)	—
RE02-07-838	02-600204	0.0–0.5	ALLH	NA	0.0309 (J)	0.047	—	—	—	0.0303 (J)	0.0458	NA
RE02-07-842	02-600205	0.0–0.5	SED	NA	0.0671 (J-)	0.129 (J-)	—	—	—	0.0498 (J-)	0.115 (J-)	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

Table 2.4-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na**	**0.054**	**1.31**	**na[c]**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**	**3.9**
QBT2 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**	**0.2**	**2.29**
Industrial Screening Action Levels (SALs)[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**	**430**
0402-95-0291	02-01043	7.5–8.5	QBT2	—[e]	6.27	—	0.031	—	0.12318	—	—
0402-95-0292	02-01043	14.0–15.0	QBT2	—	—	—	—	—	0.0891487	—	—
0402-95-0029	02-01144	14.0–15.0	QBT2	NA[f]	NA	NA	—	0.3	0.206111	0.33	—
0402-95-0033	02-01145	9.0–10.0	QBT2	—	—	—	—	—	0.0762585	—	—
0402-95-0034	02-01145	12.5–13.5	QBT2	—	—	—	—	—	0.0730895	—	—
CA02-00-0125	02-01237	8.0–8.75	ALLH	0.0969	0.135	—	—	—	—	—	—
CA02-00-0128	02-01238	14.0–14.75	ALLH	0.066	0.434	—	—	—	0.030874	—	—
RE02-07-6177	02-600196	0.0–0.5	ALLH	—	1.76	—	0.129	—	0.138152	—	—
RE02-07-806	02-600196	0.0–4.5	ALLH	—	2.34	—	0.033	—	—	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.214	—	0.0266	—	—	—	—
RE02-07-808	02-600196	19.0–22.0	QBO	—	—	—	—	—	0.111356	0.186	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	3.32	—	0.178	—	—	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	0.337	—	0.0537	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	1.71	—	0.155	—	0.0110671	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	—	0.0191741	—	—
RE02-07-818	02-600199	0.0–0.5	ALLH	—	—	—	0.0587	—	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	0.496	—	—	—	0.0271396	—	—
RE02-07-822	02-600200	0.0–0.5	ALLH	—	—	—	0.121	—	—	—	—
RE02-07-823	02-600200	4.5–7.0	QAL	—	—	—	—	—	0.0594386	—	—
RE02-07-826	02-600201	0.0–0.5	ALLH	—	—	0.24	—	—	—	—	—
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	—	—	0.159712	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	—	0.162	—	—	—	—	—	—
RE02-07-834	02-600203	0.0–0.5	ALLH	—	—	—	0.327	—	—	—	2.54
RE02-07-835	02-600203	4.5–6.5	QAL	—	1.41	—	0.063	—	—	—	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	0.624	—	—	—	—	—	—
RE02-07-836	02-600203	14.0–16.5	QBO	—	0.175	—	2.72	—	—	—	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	—	—	0.167	—	—	—	—

Table 2.4-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na**	**0.054**	**1.31**	**na[c]**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**	**3.9**
QBT2 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**	**430**
RE02-07-839	02-600204	4.5–9.5	QAL	—	0.334	—	—	—	—	—	—
RE02-07-841	02-600204	9.5–14.0	QAL	—	0.29	—	0.0429	—	—	—	—
RE02-07-842	02-600205	0.0–0.5	SED	—	—	—	0.255	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

[f] NA = Not analyzed.

Table 2.5-1
Summary of Inorganic Chemicals above BV at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium
ALLH/FILL/QAL BV[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**4610**
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**4.66**	**14500**	**11.2**	**1690**
QCT BV[a]				**3560**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**739**
Industrial SSLs[b]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**[d]	**5000**[c]	**45400**	**100000**	**800**	**na**
CA02-00-0281	02-01254	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	—	—	—
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	2.5 (J+)	—	—	—	—	—	—	—
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-933	02-600218	2.0–4.0	QCT	11300	1.55 (J)	58.5	4.15	—	3850 (J+)	6.96	5.4	8510	17.8	1660 (J+)
RE02-07-934	02-600218	4.0–5.25	QCT	11400	2.11	63.7	5.84	—	3030 (J+)	13.7	5.81	9040	16.6	2380 (J+)
RE02-07-935	02-600219	0.0–0.5	ALLH	—	—	—	—	0.52 (U)	—	—	—	—	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	—	0.511 (U)	—	—	—	—	—	—
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	—	0.509 (U)	—	—	—	—	—	—
RE02-07-938	02-600220	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-941	02-600221	0.0–1.2	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-944	02-600222	0.0–0.5	ALLH	—	—	—	—	0.557 (U)	—	—	—	—	—	—
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	—	—	0.547 (U)	—	—	—	—	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	—	—	—	0.53 (U)	—	—	—	—	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	—	0.546 (U)	—	—	—	—	—	—
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	—	0.553 (U)	—	—	—	—	—	—
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	—	0.506 (U)	—	—	—	—	—	—
RE02-07-959	02-600227	0.0–0.5	ALLH	—	—	—	—	0.572 (U)	—	—	—	—	—	—
RE02-07-960	02-600227	2.0–2.8	QAL	—	—	—	—	0.53 (U)	—	—	—	—	—	—
RE02-07-961	02-600227	4.5–5.7	QAL	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-962	02-600228	0.0–0.5	ALLH	—	—	—	—	0.524 (U)	—	—	—	—	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	—	—	—	0.495 (U)	—	—	—	—	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	—	—	—	0.512 (U)	—	—	—	—	—	—
RE02-07-965	02-600229	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	—	—	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	0.514 (U)	—	—	—	—	—	—
RE02-07-967	02-600229	4.5–5.7	QCT	—	0.926 (J)	—	—	0.539 (U)	—	—	—	—	—	—
RE02-07-968	02-600230	0.0–0.5	ALLH	—	—	—	—	0.537 (U)	—	—	—	—	—	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.538 (U)	—	29.5	—	—	—	—
RE02-07-971	02-600231	0.0–1.0	ALLH	—	—	—	—	0.532 (U)	—	—	—	—	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	—	—	—	—	—	—	—	—	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	—	—	—	8.14	—	—	—	—

Table 2.5-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Potassium	Selenium	Silver	Thallium	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**671**	**0.1**	**15.4**	**na**	**na**	**3460**	**1.52**	**1**	**0.73**	**1.82**	**39.6**	**48.8**
QBT3 BV[a]				**482**	**0.1**	**6.58**	**na**	**na**	**3500**	**0.3**	**1**	**1.1**	**2.4**	**17**	**63.5**
QCT BV[a]				**189**	**0.1**	**2**	**na**	**na**	**2390**	**0.3**	**1**	**1.22**	**0.72**	**4.59**	**40**
Industrial SSLs[b]				**48400**	**340**[c]	**22700**	**100000**	**790**[c]	**na**	**5680**	**5680**	**74.9**	**200**[f]	**1140**	**100000**
CA02-00-0281	02-01254	0.0–0.5	ALLH	—	—	—	NA[g]	NA	—	—	1.3	—	3.63	—	62 (J+)
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	NA	NA	—	—	—	—	—	—	59 (J+)
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	NA	NA	—	—	—	—	—	—	53 (J+)
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	NA	NA	—	—	—	—	2.33	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	0.139	—	22.6 (J-)	0.00183 (J)	—	1.67 (U)	—	—	NA	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	—	—	9.94	0.00167 (J)	—	—	—	—	NA	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	—	—	1.67 (J-)	0.00065 (J)	—	—	—	—	NA	—	54.4
RE02-07-933	02-600218	2.0–4.0	QCT	314 (J+)	—	4.49	1.04 (J-)	0.000864 (J)	—	1.62 (U)	—	—	NA	11.7	71.3
RE02-07-934	02-600218	4.0–5.25	QCT	324 (J+)	—	7.69	1 (J-)	—	2420	0.874 (J)	—	—	NA	13.5	76.4
RE02-07-935	02-600219	0.0–0.5	ALLH	—	—	—	4.58 (J-)	0.000783 (J)	—	—	—	—	NA	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	1.01 (J-)	—	—	—	—	—	NA	—	—
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	1.44 (J-)	—	—	—	—	—	NA	—	51.6
RE02-07-938	02-600220	0.0–0.5	ALLH	—	—	—	7.19 (J-)	0.00125 (J)	—	1.73 (U)	—	—	NA	—	50.2
RE02-07-941	02-600221	0.0–1.2	ALLH	—	—	—	11.2 (J-)	0.000692 (J)	—	—	—	—	NA	—	49.8
RE02-07-944	02-600222	0.0–0.5	ALLH	—	0.11	—	7.36	0.00237	—	—	—	—	NA	—	57
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	—	7.34	0.00226 (J)	—	—	—	—	NA	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	—	—	6.45	0.00243	—	—	—	—	NA	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	2	0.000629 (J)	—	1.64 (U)	—	—	NA	—	71.2
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	13.9	0.00152 (J)	—	—	—	—	NA	—	54
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	6.67	0.000565 (J)	—	—	—	—	NA	—	—
RE02-07-959	02-600227	0.0–0.5	ALLH	—	—	—	1.2	—	—	—	—	—	NA	—	—
RE02-07-960	02-600227	2.0–2.8	QAL	—	—	—	0.888 (J)	—	—	1.59 (U)	—	—	NA	—	—
RE02-07-961	02-600227	4.5–5.7	QAL	—	—	—	—	0.00109 (J)	—	1.61 (U)	—	—	NA	—	—
RE02-07-962	02-600228	0.0–0.5	ALLH	—	—	—	2.39	—	—	1.57 (U)	—	—	NA	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	—	—	0.907 (J)	0.00164 (J)	—	—	—	—	NA	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	—	—	—	0.00271	—	—	—	—	NA	—	—
RE02-07-965	02-600229	0.0–0.5	ALLH	—	—	—	3.71	—	—	6.97	—	1.13 (U)	NA	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	—	—	5.18	—	—	NA	—	—
RE02-07-967	02-600229	4.5–5.7	QCT	—	—	—	—	—	—	4.6	—	—	NA	—	—
RE02-07-968	02-600230	0.0–0.5	ALLH	—	—	—	—	—	—	9.04	—	—	NA	—	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.000791 (J)	—	12	—	—	NA	—	—

Table 2.5-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Potassium	Selenium	Silver	Thallium	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**671**	**0.1**	**15.4**	**na**	**na**	**3460**	**1.52**	**1**	**0.73**	**1.82**	**39.6**	**48.8**
QBT3 BV[a]				**482**	**0.1**	**6.58**	**na**	**na**	**3500**	**0.3**	**1**	**1.1**	**2.4**	**17**	**63.5**
QCT BV[a]				**189**	**0.1**	**2**	**na**	**na**	**2390**	**0.3**	**1**	**1.22**	**0.72**	**4.59**	**40**
Industrial SSLs[b]				**48400**	**340**[c]	**22700**	**100000**	**790**[c]	**na**	**5680**	**5680**	**74.9**	**200**[f]	**1140**	**100000**
RE02-07-971	02-600231	0.0–1.0	ALLH	—	—	—	3.79	0.000627 (J)	—	5.14	—	—	NA	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	—	—	1.37	—	—	4.12	—	—	NA	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	1.26	—	—	4.37	—	—	NA	—	—

Note: All values in mg/kg.
[a] BVs are from LANL (1998, 059730).
[b] All values from NMED (2006, 092513) unless otherwise noted.
[c] EPA Region 6 (2007, 095866).
[d] na = Not available.
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).
[g] NA = Not analyzed.

Table 2.5-2
Summary of Organic Chemicals Detected at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[a]				**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**234**	**2310**	**24400**	**20500**	**30900**	**252**
RE02-07-6885	02-600216	0.0–0.5	ALLH	NA[b]	NA	—[c]	—	—	—	—	0.0119 (J)	—	—	NA
RE02-07-6894	02-600220	0.0–0.5	ALLH	NA	NA	0.0135 (J)	—	0.0251 (J)	0.013 (J)	0.0178 (J)	0.0204 (J)	—	0.0168 (J)	NA
RE02-07-6897	02-600221	0.0–0.5	ALLH	NA	NA	0.026 (J)	0.0299 (J)	0.0763	—	0.0498	0.0779	0.0342 (J)	0.0919	NA
RE02-07-6900	02-600222	0.0–0.5	ALLH	NA	NA	0.0151 (J)	—	0.0285 (J)	—	0.025 (J)	0.0249 (J)	0.0107 (J)	0.026 (J)	NA
RE02-07-6903	02-600223	0.0–0.5	ALLH	NA	NA	0.0137 (J)	—	0.0374 (J)	—	0.0236 (J)	0.039	0.0163 (J)	0.0474	NA
RE02-07-6906	02-600224	0.0–0.5	ALLH	NA	NA	0.0219 (J)	—	0.0439	—	0.0288 (J)	0.0585	0.0272 (J)	0.0579	NA
RE02-07-6909	02-600225	0.0–0.5	ALLH	NA	NA	0.019 (J)	—	0.0199 (J)	—	0.0139 (J)	0.022 (J)	—	0.0242 (J)	NA
RE02-07-6912	02-600226	0.0–0.5	ALLH	NA	NA	0.014 (J)	—	0.0174 (J)	—	0.0159 (J)	0.0252 (J)	0.0109 (J)	0.0243 (J)	NA
RE02-07-6913	02-600226	2.0–2.5	QAL	NA	NA	0.0233 (J)	0.0143 (J)	0.0279 (J)	0.0144 (J)	0.032 (J)	0.109	0.0631	0.0838	—
RE02-07-6921	02-600229	0.0–0.5	ALLH	0.0035 (J)	0.0027 (J)	—	—	—	—	—	—	—	—	NA
RE02-07-6925	02-600230	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	0.000375 (J+)
RE02-07-935	02-600219	0.0–0.5	ALLH	0.0066	0.0043	—	—	—	—	—	0.0154 (J)	—	0.0165 (J)	NA
RE02-07-936	02-600219	2.0–2.5	QAL	0.0015 (J)	—	—	—	—	—	—	—	—	—	0.000458 (J)
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	—	—	—	—	—	—	—	0.000646 (J)

Note: All values in mg/kg.

[a] All values from NMED (2006, 092513) unless otherwise noted.

[b] NA = Not analyzed.

[c] — = Analyte not detected.

Table 2.5-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**na**	**2.59**	**0.2**	**2.29**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
QCT BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**440000**	**1500**	**87**	**430**
CA02-00-0281	02-01254	0.0–0.5	ALLH	0.0764 (J+)	—[e]	—	0.198	NA[f]	—	—	2.57
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	—	0.0785106	—	—	—
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	0.071	0.0581633	—	—	—
CA02-00-0284	02-01255	2.2–2.5	ALLH	—	0.122 (J+)	—	0.066	0.0426804	—	—	—
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	0.179	0.103226	—	—	—
CA02-00-0286	02-01256	2.0–2.75	FILL	—	0.0507 (J+)	—	0.101	—	—	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	—	—	0.076	—	—	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	0.389	—	0.0775	—	—	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	0.128	—	—	—	—	—	—
RE02-07-933	02-600218	2.0–4.0	QCT	—	—	—	—	0.0222609	—	—	—
RE02-07-934	02-600218	4.0–5.2	QCT	—	—	—	—	0.0285727	—	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	0.0209	—	—	—	—
RE02-07-941	02-600221	0.0–1.2	ALLH	—	0.799	—	0.0493	—	—	—	—
RE02-07-944	02-600222	0.0–0.5	ALLH	—	—	—	0.0611	—	—	—	—
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	0.97	0.145	—	—	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	0.288	—	0.0495	—	—	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	0.0923	—	—	—	—
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	0.0614	—	—	—	—
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	—	0.0119969	—	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	0.721	—	—	—	—	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	0.164	—	—	0.0123808	—	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	—	2.89	—	2.86
RE02-07-967	02-600229	4.5–5.7	QCT	—	—	—	—	0.041431	—	0.185	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.0247065	—	—	—
RE02-07-971	02-600231	0.0–1.0	ALLH	—	0.75	—	—	—	—	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	0.269	—	—	—	—	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	—	—	—	0.133	—

Note: All values in pCi/g.
[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.
[b] BVs/FVs are from LANL (1998, 059730).
[c] na = Not available.
[d] All values from LANL (2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.
[f] NA = Not analyzed.

Table 2.6-1
Summary of Inorganic Chemicals above BV at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**4.66**	**14500**	**11.2**
Industrial SSLs[b]				**100000**	**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**45400**	**100000**	**800**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—[e]	—	—	—	—	—	—	—	—	—
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	2.3 (J-)	—	—	—	—	—	16	—	3400
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	—	—	—	—	—	—	—	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	—	—	—	—	—	—	—	—	1200
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	—	—	—	—	—	—	—	—	49
CA02-00-0138	02-01240	21.5–22.5	QBT3	7800 (J-)	—	—	—	—	—	—	—	—	76
RE02-07-858	02-600206	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-859	02-600206	4.5–7.5	QAL	—	—	—	—	—	12300 (J)	—	—	—	—
RE02-07-860	02-600206	9.5–12.1	QAL	—	—	—	—	0.53 (U)	—	—	—	—	—
RE02-07-861	02-600206	19.5–23.4	QBO	5260	—	1.46 (U)	—	0.486 (U)	—	7.45 (U)	—	4110	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	—	—	—	—	—	—	—	—	—	33.9
RE02-07-865	02-600207	9.5–11.4	QAL	—	—	—	—	0.538 (U)	—	34.7 (U)	—	—	—
RE02-07-866	02-600207	13.5–16.6	QBO	7940	—	1.96	32.7	0.579 (U)	—	19.7 (U)	—	7890	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	—	—	—	0.507 (U)	—	—	—	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	—	—	—	1.18	—	—	—	—	—
RE02-07-870	02-600208	9.5–11.6	QAL	—	—	—	—	0.547 (U)	—	—	—	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	13300	0.513 (UJ)	2.09	47.7	0.639 (U)	—	61.5	—	7070	—
RE02-07-873	02-600209	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-874	02-600209	4.5–6.5	QAL	—	—	—	—	0.531 (U)	—	—	—	—	—
RE02-07-875	02-600209	9.5–11.9	QAL	—	—	—	—	0.522 (U)	—	72.9 (J)	—	—	—
RE02-07-876	02-600209	14.5–17.1	QBO	9490	—	1.8 (U)	—	0.598 (U)	—	27.7 (J)	—	6000	22.3

Table 2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/QAL BV[a]				**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT3 BV[a]				**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
Industrial SSLs[b]				**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[f]**	**1140**	**100000**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—	—	—	NA[g]	NA	—	—	—	—	51
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	—	—	NA	NA	—	—	1.97	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0138	02-01240	21.5–22.5	QBT3	—	—	—	NA	NA	0.32 (U)	—	—	—	—
RE02-07-858	02-600206	0.0–0.5	ALLH	—	—	—	—	—	1.53 (U)	—	NA	—	—
RE02-07-859	02-600206	4.5–7.5	QAL	—	—	—	1.65	0.0296	1.58 (U)	—	NA	—	49.2
RE02-07-860	02-600206	9.5–12.1	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-861	02-600206	19.5–23.4	QBO	—	—	2.11 (U)	—	—	1.46 (U)	—	NA	—	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	2.58	—	—	0.000527 (J-)	—	—	NA	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	—	0.156	—	—	—	—	—	NA	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	0.281	—	—	—	—	1.06	NA	—	—
RE02-07-866	02-600207	13.5–16.6	QBO	348	—	7.28 (U)	—	—	1.74 (U)	—	NA	8.5 (J)	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	0.384	—	1.11	—	—	—	NA	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	0.236	—	1.59	—	2.46	—	NA	—	543
RE02-07-870	02-600208	9.5–11.6	QAL	—	—	—	—	—	2.63	—	NA	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	205 (J+)	—	8.66 (U)	—	—	2.02	—	NA	4.66	45.2
RE02-07-873	02-600209	0.0–0.5	ALLH	—	—	—	2.13 (J+)	—	—	—	NA	—	59.1
RE02-07-874	02-600209	4.5–6.5	QAL	—	—	—	—	0.000869 (J-)	—	—	NA	—	—
RE02-07-875	02-600209	9.5–11.9	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-876	02-600209	14.5–17.1	QBO	293	—	7.23	—	—	0.663 (J)	—	NA	4.68 (J)	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

[g] NA = Not analyzed.

Table 2.6-2
Summary of Organic Chemicals Detected at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**1370**	**2310**	**24400**	**23.4**	**20500**	**30900**	**252**
RE02-07-858	02-600206	0.0–0.5	ALLH	—[c]	—	—	0.023 (J)	0.0412 (J)	—	—	0.0224 (J)	0.0442	—	0.025 (J)	0.0462	NA[d]
RE02-07-859	02-600206	4.5–7.5	QAL	0.0974	0.138	—	0.0184 (J)	0.0187 (J)	—	—	0.0152 (J)	0.0271 (J)	—	0.0159 (J)	0.0244 (J)	0.00043 (J)
RE02-07-860	02-600206	9.5–12.1	QAL	0.0116	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	0.0216 (J)	0.0174 (J)	—	0.0153 (J)	—	0.0882 (J)	0.0109 (J)	0.0195 (J)	—	0.0123 (J)	0.0155 (J)	NA
RE02-07-864	02-600207	4.5–8.1	QAL	0.0166 (J)	0.0163 (J)	—	—	—	—	—	—	—	—	0.0106 (J)	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	0.004	—	—	—	—	—	—	—	—	—	—	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	0.0293	0.0239 (J)	0.0188 (J)	0.0269 (J)	—	—	0.0205 (J)	0.0276 (J)	—	0.0132 (J)	0.0315 (J)	NA
RE02-07-869	02-600208	4.5–6.7	QAL	0.0539	0.0249	0.021 (J)	0.0206 (J)	0.0285 (J)	—	—	0.0203 (J)	0.0442	—	0.0327 (J)	0.0288 (J)	—
RE02-07-873	02-600209	0.0–0.5	ALLH	—	0.611	—	0.101	0.0467	0.0458 (J)	—	0.0336 (J)	0.0679	0.0607	0.0328 (J)	0.0669	NA
RE02-07-874	02-600209	4.5–6.5	QAL	—	0.0032 (J)	—	—	—	—	0.11 (J)	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.
[b] All values from NMED (2006, 092513) unless otherwise noted.
[c] — = Analyte not detected.
[d] NA = Not analyzed.

Table 2.6-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**4**	**3.9**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**1.93**
Industrial SALs[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**430**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—[e]	22.7	1.66	2.76	0.0357229	—	—
CA02-00-0133	02-01240	6.0–7.0	ALLH	—	2.75	—	3.38 (J-)	0.021324	—	—
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	450	0.359	—	0.0778849	—	—
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	1.69	—	4.58 (J-)	—	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	42.4	0.169	10.2 (J-)	0.0465945	—	—
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	5.1	—	0.987	0.076466	—	—
CA02-00-0138	02-01240	21.5–22.5	QBT3	0.15	—	—	—	0.0748537	2.55	2.48
RE02-07-859	02-600206	4.5–7.5	QAL	—	38.4	0.455	6.44	0.0182553	—	—
RE02-07-860	02-600206	9.5–12.1	QAL	—	2.86	—	1.2	—	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	0.0376	51.6	2.9	10.4	—	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	—	0.0598	—	0.0507753	—	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	—	—	—	0.0099606	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	43.5	0.758	4.52	0.0170256	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	—	0.82	—	—	—	—	—
RE02-07-874	02-600209	4.5–6.5	QAL	—	0.478	—	—	—	—	—

Note: All values in pCi/g.
[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.
[b] BVs/FVs are from LANL (1998, 059730).
[c] na = Not available.
[d] All values from LANL (2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.7-1
Summary of Inorganic Chemicals above BV at AOC 02-004(a

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—[e]	—	—	—	—	0.541 (U)	—	—	0.13	—	NA[f]
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	—	—	—	—	0.527 (U)	—	—	0.101 (J)	—	NA
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	—	0.545 (U)	—	—	0.0641 (J)	—	NA
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	—	—	—	0.569 (U)	—	—	0.129	—	NA
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	—	—	0.517 (U)	—	—	0.107	—	NA
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	—	0.539 (U)	—	—	—	—	NA
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	—	—	—	—	—	—	0.118	—	NA
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	—	0.515 (U)	—	—	0.084 (J)	—	NA
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	—	—	—	—	1.07	—	—	NA	—	0.576
RE02-07-1529	02-600378	9.5–12.0	QBO	4490	—	3.11	59.7	—	—	9410 (J+)	6.07	NA	—	—
RE02-07-1530	02-600378	12.0–15.0	QBO	3860	—	1.68 (J)	—	—	0.585 (U)	—	12.9	NA	4.19	—
RE02-07-1532	02-600379	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1533	02-600379	9.5–14.0	QBO	—	—	0.894 (U)	—	—	0.555 (U)	—	4.71	NA	—	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1537	02-600380	9.5–12.0	QBO	3660	—	1.14 (U)	34.4	—	5.63	—	9.4	NA	—	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	—	—	—	14.8	—	—	NA	—	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	0.574 (U)	—	—	NA	—	—
RE02-07-1542	02-600381	16.5–20.0	QBO	—	—	1.76 (U)	—	—	0.587 (U)	—	—	NA	—	—
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1545	02-600382	9.5–12.0	QBO	—	—	2.79 (U)	—	—	0.582 (U)	—	6.66	NA	—	—
RE02-07-1546	02-600382	12.5–16.0	QBO	10000	—	1.72 (U)	69.3	—	0.581 (U)	—	17.1	NA	4	—
RE02-07-1548	02-600383	0.0–0.5	ALLH	—	—	—	—	—	0.501 (U)	—	—	NA	—	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	—	—	—	—	—	7790	—	NA	—	—
RE02-07-1550	02-600383	13.0–18.5	QBO	11600	—	1.41 (U)	86	—	0.603 (U)	—	34.3	NA	5.88	—
RE02-07-1552	02-600384	0.0–0.5	ALLH	—	—	—	—	—	0.5 (U)	—	—	NA	—	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	—	—	—	—	0.561 (U)	—	—	NA	—	—
RE02-07-1554	02-600384	13.5–17.0	QBO	5110	—	0.686 (U)	—	—	0.62 (U)	—	—	NA	—	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	—	—	—	0.498 (U)	—	—	NA	—	—
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	—	0.541 (U)	—	—	NA	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	0.583 (U)	—	—	NA	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	7860	—	1.72 (U)	29	—	0.573 (U)	—	4.49	NA	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—

Table 2.7-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.561 (U)	—	—	NA	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	—	0.516 (U)	9010 (J)	—	NA	—	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	—	—	—	0.55 (U)	9170	—	NA	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	9820	—	1.01 (J)	36.9	—	0.561 (U)	—	3.16	NA	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	—	0.547 (U)	13200	—	NA	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	—	—	—	—	—	—	17600 (J)	—	NA	—	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	—	—	—	0.577 (U)	12300	—	NA	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	0.576 (U)	—	—	NA	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	7760	—	2.31	80.1	—	0.629 (U)	—	26.2	NA	5.31	—
RE02-07-1685	02-600414	0.0–0.5	ALLH	—	—	—	—	—	0.504 (U)	—	—	NA	—	—
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.552 (U)	—	—	NA	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	0.56 (U)	—	—	NA	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	7040	0.543 (UJ)	1.49 (J)	33.3	—	0.712 (U)	—	6.63	NA	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.559 (U)	—	19.9	NA	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	8020	—	1.01 (J)	—	—	0.605 (U)	—	3.4	NA	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	—	0.51 (U)	—	20.8	NA	—	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	0.54 (U)	—	—	NA	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	11900	—	0.908 (J)	38	—	0.611 (U)	—	8.18 (J)	NA	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	—	—	—	0.509 (U)	—	—	NA	—	0.543
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	5930	—	3.18	32.8	—	0.55 (U)	—	10.2 (J)	NA	6.68	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	—	0.536 (U)	—	—	NA	—	2.59
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	—	0.598 (U)	—	—	NA	—	—
RE02-07-1921	02-600456	14.0–19.0	QBO	6040	—	1.48 (J)	57.3 (J+)	—	0.593 (U)	—	14.4 (J)	NA	5.52	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	—	—	—	—	0.544 (U)	—	—	NA	—	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	—	—
RE02-07-1925	02-600457	14.0–19.0	QBO	15800	—	1.47 (J)	102 (J+)	1.48	0.62 (U)	—	13.1 (J)	NA	4.94	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	—	—	—	—	0.515 (U)	—	21.6	NA	—	—

Table 2.7-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	14500	—	1.87	30.2	—	0.603 (U)	—	4.92 (U)	NA	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	—	0.523 (U)	—	—	NA	—	1.11
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	14600	—	0.672 (J)	—	—	0.608 (U)	—	6.07 (U)	NA	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	—	0.513 (U)	—	—	NA	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	6110	—	1.8 (U)	—	—	0.6 (U)	—	4.83	NA	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	—	—	0.502 (U)	—	—	NA	—	—
RE02-07-1941	02-600461	9.5–14.0	QBO	4150	—	2.1	35.4	—	0.57 (U)	—	7.66 (J)	NA	4.05 (J)	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	—	—	—	0.517 (U)	—	24.3 (J)	NA	—	—
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	12300	—	2.23	92.8	—	0.619 (U)	—	10.4 (J)	NA	4.51 (J)	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	—	—	—	—	0.514 (U)	—	23.5	NA	—	—
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	—	0.524 (U)	—	44.9	NA	—	—
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	—	0.555 (U)	—	—	NA	—	—
RE02-07-1957	02-600465	9.5–17.0	QBO	—	0.527 (UJ)	1.24 (J)	—	—	0.662 (U)	—	14.2 (J)	NA	—	—
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	43.4 (J)	—
RE02-07-1961	02-600466	10.0–15.0	QBO	—	—	0.782 (J)	—	—	0.566 (U)	—	18.2 (J)	NA	4.93 (J)	—
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	—	—	—	0.512 (U)	—	—	NA	—	—
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	7430	—	0.966 (J)	39.5	—	0.587 (U)	—	5.34	NA	—	—
RE02-07-1967	02-600468	0.0–1.9	ALLH	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	—	—	—	—	—	0.521 (U)	6840 (J-)	—	NA	—	0.516
RE02-07-2586	02-600580	11.0–16.0	QBO	12800	0.512 (UJ)	2	88.3	—	0.635 (U)	—	10.1	NA	—	—
RE02-07-2589	02-600581	0.0–0.5	ALLH	—	—	—	—	—	0.531 (U)	—	—	NA	—	—
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-2591	02-600581	14.0–16.0	QBO	8790	—	1.81 (U)	—	—	0.603 (U)	—	49.3	NA	11.1	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	—	—	0.601 (U)	—	—	NA	—	0.567
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	—	0.504 (U)	—	—	NA	—	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	0.523 (U)	—	—	NA	—	—
RE02-07-2602	02-600583	15.5–20.0	QBO	5870	—	1.77 (U)	—	—	0.589 (U)	—	—	NA	—	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	—	—	0.566 (U)	—	—	NA	19.5	—
RE02-07-2606	02-600584	16.5–21.0	QBO	4410	—	2.02	—	—	0.572 (U)	—	8.62	NA	—	—

Table 2.7-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—	—	—	—	8.4	—	NA	NA	—	—	—
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	—	—	—	13	—	NA	NA	—	—	—
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	0.267	—	NA	NA	—	—	—
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	—	—	0.318	—	NA	NA	—	—	—
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	—	3.58	—	NA	NA	—	—	—
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	3.32	—	NA	NA	—	—	—
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	—	—	3.74	—	NA	NA	—	—	—
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	2.41	—	NA	NA	—	—	—
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	—	—	—	1.66	—	—	—	—	—	—
RE02-07-1529	02-600378	9.5–12.0	QBO	8580	15	—	505	0.28	3.76	0.996 (J)	—	0.852 (J)	10.2 (J)	—
RE02-07-1530	02-600378	12.0–15.0	QBO	7220	—	—	255	—	2.11	2.92	—	1.76 (U)	6.27 (J)	—
RE02-07-1532	02-600379	0.0–0.5	ALLH	—	—	—	—	8.2	—	—	0.000521 (J)	—	—	51.8
RE02-07-1533	02-600379	9.5–14.0	QBO	4710	—	—	244	0.448	2.04	—	—	1.67 (U)	—	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	23.8	—	—	0.135	—	2.57	—	—	—	73.1
RE02-07-1537	02-600380	9.5–12.0	QBO	4920	—	—	211	0.207	2.36	—	—	1.59 (U)	—	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	—	—	0.843	—	—	0.000674 (J)	—	—	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	—	1.02 (J)	0.000973 (J)	2.08 (U)	—	—
RE02-07-1542	02-600381	16.5–20.0	QBO	5170	—	—	207	—	—	—	—	1.42 (U)	—	—
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	1.45	—	—	—	—	—	50.4
RE02-07-1545	02-600382	9.5–12.0	QBO	8730	—	—	247	0.144	2.5	—	—	1.1 (J)	7.84	44
RE02-07-1546	02-600382	12.5–16.0	QBO	7080	—	—	276	—	—	—	—	0.64 (J)	5.53	—
RE02-07-1548	02-600383	0.0–0.5	ALLH	—	—	—	—	0.719	—	—	—	—	—	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	—	—	—	0.264	—	1.32	—	—	—	69.4
RE02-07-1550	02-600383	13.0–18.5	QBO	7080	—	—	231	—	3.09	—	—	0.888 (J)	6.71	—
RE02-07-1552	02-600384	0.0–0.5	ALLH	—	—	—	—	0.567	—	—	—	—	—	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	—	—	—	—	—	4.41	0.00254	1.68 (U)	—	—
RE02-07-1554	02-600384	13.5–17.0	QBO	4810	—	—	193	—	6.33	—	—	0.723 (J)	—	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	—	—	0.131	—	2.79	—	—	—	62.4 (J)
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	—	—	0.957 (J)	—	1.62 (U)	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	5030	—	—	199	—	—	—	—	1.72 (U)	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	0.384	—	1.52	—	1.54 (U)	—	60.6
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	1.38	—	2.17	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	0.653	—	1.78	0.000557 (J)	—	—	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	—	—	0.432	—	14.5	0.00227 (J+)	1.58 (J)	—	—

Table 2.7-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	3.02	—	1.88	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	5400	—	—	—	—	2.53	—	—	1.3 (J)	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	—	—	—	—	0.106	—	2.96	—	—	—	62
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	0.337 (J+)	—	3.42	—	—	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	0.131 (J+)	—	—	—	1.62 (U)	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	—	—	—	—	0.68	—	1.55	—	—	—	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	—	—	0.509	—	4.2	0.0016 (J)	1.73 (U)	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	—	—	—	1.73 (U)	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	8480	22.2	3710 (J+)	380	—	3.04	—	—	1.89 (U)	9.54	43.7
RE02-07-1685	02-600414	0.0–0.5	ALLH	—	—	—	—	0.551	—	6.1	—	—	—	51.1
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	—	3	—	1.66 (U)	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	0.927 (J)	—	1.68 (U)	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	7910	—	—	349	—	2.36	—	—	2.14 (U)	5.09	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	0.125	—	—	—	—	—	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	0.283	—	10.3	0.00119 (J)	1.73	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	1.92	—	—	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	0.164	—	—	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	5610	—	—	—	—	—	3.64	—	1.02 (J)	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	4	—	—	—	—	—	51.3
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	7330	—	—	207 (J+)	—	2.2 (J)	—	—	1.83 (U)	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	—	—	1.24	—	NA	0.000899 (J)	1.53 (U)	—	—
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	—	1.46 (J-)	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	11500	—	844 (J+)	281 (J+)	—	2.19 (J)	—	—	1.39 (J)	14.2	42.4
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	0.252	—	1.73 (J-)	0.00151 (J-)	—	—	—
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	7.22	—	1.12 (J-)	—	—	—	—
RE02-07-1921	02-600456	14.0–19.0	QBO	8070 (J)	—	—	389 (J)	0.276	3.2	—	—	1.78 (U)	8.74 (J)	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	—	—	—	7.78	—	1.15	0.000802 (J)	10	—	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	2.96	—	—	—	—	—	49.5 (J)
RE02-07-1925	02-600457	14.0–19.0	QBO	8720 (J)	—	—	198 (J)	—	6.21	—	—	1.86 (U)	6.42 (J)	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	—	—	—	0.839	—	2.6	—	9.52	—	—
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	—	—	—	—	5.72	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	6000	—	—	367	—	—	—	—	10.2	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	2.68	—	1.4	—	11.3	—	50.7
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	0.16	—	—	—	9.15	—	—

Table 2.7-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-1933	02-600459	15.0–19.0	QBO	6530	—	—	243	—	3.27 (U)	—	—	11.4	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	1.48	—	—	—	—	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	5990 (J+)	—	—	233 (J-)	—	—	—	—	1.27 (J)	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	—	3.56	—	1.34	—	9.72	—	—
RE02-07-1941	02-600461	9.5–14.0	QBO	5620	—	—	208	0.256	2.03 (J)	—	—	7.18	5.83	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	—	—	0.407	—	—	—	10.7	—	—
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	—	—	0.311	—	—	—	9.01	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	8170	—	—	417	—	3.83 (J)	—	—	12.7	6.07	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	—	—	—	0.298	—	—	—	7.9	—	—
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	0.124	—	1.86	—	10.9	—	—
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	9.99	—	—
RE02-07-1957	02-600465	9.5–17.0	QBO	6670	—	—	211	—	3.86 (J)	1.23 (J)	—	8.33	4.84	—
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	—	—	—	0.348	—	1.16	—	9.1	—	55.3
RE02-07-1961	02-600466	10.0–15.0	QBO	5190	—	—	—	—	—	—	—	6.55	—	—
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	—	—	0.4	—	1.24	—	1.54 (U)	—	90.5
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	—	1.01 (J)	—	—	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	4540	—	—	—	—	—	—	—	1.24 (U)	—	—
RE02-07-1967	02-600468	0.0–1.9	ALLH	—	—	—	—	—	—	1.5	—	7.95	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	—	—	—	—	8.72	—	1.64	—	—	—	—
RE02-07-2586	02-600580	11.0–16.0	QBO	6700	—	—	321	0.11	—	—	—	1.9 (U)	5.02	—
RE02-07-2589	02-600581	0.0–0.5	ALLH	—	—	—	—	7.47	—	1.16	—	1.59 (U)	—	—
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	—	0.481	—	—	—	8.44	—	—
RE02-07-2591	02-600581	14.0–16.0	QBO	5850	—	—	—	—	3.78	—	—	9.19	—	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	—	0.506	—	1.29 (J-)	—	11.1	—	64.3
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	0.419	—	3.02	—	—	—	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	—	1.82	—	1.89 (U)	—	—
RE02-07-2602	02-600583	15.5–20.0	QBO	5190	—	—	—	—	—	—	—	1.3 (U)	—	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	—	43.7	—	—	0.158	—	1.43	—	10.4	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	—	—	—	—	—	9.26	—	—
RE02-07-2606	02-600584	16.5–21.0	QBO	6960	—	—	248	—	4.95 (J+)	—	—	9.12	7.39	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.7-2
Summary of Organic Chemicals Detected at AOC 02-004(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	Chloroform
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA[c]	NA	NA	—[d]	0.346	0.395	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	—	—	1.74	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	—	—	0.0052	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	—	0.105	0.0769	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	—	0.0143 (J)	0.0163 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	NA	—	—	0.659	0.439	—	—	—	—	—	—	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	—	—	2.42	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	—	—	0.003 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	—	0.0405	0.0876	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	—	—	0.0164 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	—	0.0094 (J)	0.0077 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0177 (J)	NA	0.028 (J)	—	—	2.11	0.0607	0.0693	0.102	0.0422	—	—	NA
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	0.0327	0.0577	—	—	—	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.0427	NA	0.0901	—	0.0231 (J)	0.0384	0.195	0.228	0.369	0.16	—	—	NA
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0381	NA	0.0764	—	0.093	0.213	0.181	0.206	0.351	0.156	—	—	NA
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	0.0125 (J)	—	0.0243 (J-)	0.0246 (J-)	0.0426	0.0413 (J)	0.0493 (J)	—	—	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0511	NA	0.0793	—	0.412	1.05	0.139	0.157	0.246	0.147	—	—	NA
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	0.0238 (J)	0.0296 (J-)	0.0335 (J-)	0.0314 (J-)	0.0512	0.0614 (J)	0.0644 (J)	0.0359 (J)	—	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.303	NA	0.483	—	0.358	0.839	0.807	0.899	1.37	0.43	—	—	NA
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	0.013 (J)	—	0.0247 (J-)	0.0281 (J-)	—	0.0164 (J)	0.0627 (J)	—	—	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	0.0186 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000268 (J)
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.0497	NA	0.119	—	0.255	0.514	0.327	0.379 (J)	0.648 (J)	0.224 (J)	—	—	NA
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.003 (J)	—	—	—	—	—	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	**Chloroform**
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.0269 (J)	NA	0.0599	—	—	0.0166 (J)	0.161	0.254	0.324	—	—	—	NA
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	0.0258 (J)	0.0475	—	—	0.037 (J)	—	—	—	0.000242 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	—	0.00865	—	—	—	0.0057	0.0143 (J)	0.0126 (J)	0.0127 (J)	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.0178 (J)	NA	0.027 (J)	—	0.35	0.142	0.167	0.151 (J)	0.303 (J)	—	—	—	NA
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	NA	—	—	—	0.0224 (J)	0.0683 (J)	—	—	—	—	—	NA
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	0.0867	—	0.0047	—	—	—	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	—	0.0398	—	—	—	—	—	—	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	NA	—	—	—	0.0106 (J-)	0.0278 (J)	—	0.0313 (J)	—	—	—	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	—	0.00366 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	NA	—	—	—	0.0731 (J)	—	0.000251 (J)	0.000318 (J)	0.00012 (J)	—	—	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	0.0219	0.0071	—	—	—	—	—	—	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	NA	—	—	0.248	0.229 (J)	—	—	—	—	0.0314 (J)	—	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	0.0251	0.0182 (J)	—	—	—	—	—	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	0.0152 (J)	NA	0.0187 (J)	—	0.0534	0.0743 (J)	0.119 (J)	0.178 (J)	0.191 (J)	0.0602 (J)	—	—	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.0255 (J)	—	—	—	—	—	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	NA	—	—	—	0.0088 (J-)	—	—	—	—	—	—	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	NA	0.00824 (J)	—	—	0.0078 (J)	0.064 (J)	—	—	—	—	—	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	—	—	—	—	—	0.0026 (J)	—	—	—	—	—	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	NA	0.00986 (J-)	—	0.0177	0.0193	0.0964 (J)	0.139 (J)	0.161 (J)	—	—	—	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	0.112	—	—	0.0073 (J)	0.803 (J)	0.523 (J)	0.859 (J)	0.156 (J)	—	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	—	—	0.00993 (J)	—	—	—	0.0584 (J)	—	—	—	—	—	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	NA	0.0115 (J)	—	0.0551 (J-)	0.0393 (J)	0.114	0.141 (J)	0.315 (J)	0.0752 (J)	—	—	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	NA	—	—	—	0.103 (J)	—	—	—	—	—	—	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	NA	—	—	—	0.0064	—	—	—	—	—	—	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	NA	—	—	—	0.0067 (J)	0.0439 (J)	—	0.0778 (J)	—	—	—	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	**Chloroform**
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	NA	—	—	0.002 (J)	0.003 (J)	—	—	0.0105 (J)	—	—	—	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	—	0.0053 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	2.47	NA	2.96	NA	NA	NA	10.7	10.3	16.7	4.77	—	0.237 (J)	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	—	NA	0.0334 (J)	NA	NA	NA	0.122	0.108	0.162	0.0618	—	—	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	0.0312 (J)	NA	0.0613	NA	NA	NA	0.422	0.361	0.609	0.182	—	—	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	—	NA	—	NA	NA	NA	0.0756	0.103	0.0771	—	0.0369 (J)	—	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	—	NA	0.023 (J)	NA	NA	NA	0.101	0.104	0.0772	—	0.038 (J)	—	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	NA	0.0104 (J)	NA	NA	NA	0.062	0.088	0.138	0.0266 (J)	—	—	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	NA	0.00735 (J)	NA	NA	NA	0.034 (J)	0.0806	0.0709	—	—	—	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	NA	NA	NA	—	—	—	—	—	—	0.000232 (J)
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	NA	NA	NA	—	—	—	—	—	—	—
RE02-07-6840	02-600378	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0291 (J)	0.0463	0.0322 (J)	0.0143 (J)	0.0217 (J)	—	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	—	NA	0.0134 (J)	NA	NA	NA	0.0295 (J)	0.0513	0.0412	—	—	—	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	0.0187 (J)	—	0.0269 (J)	NA	NA	NA	0.0583	0.0801	0.106	0.0333 (J)	—	—	—
RE02-07-6847	02-600379	10.5–11.5	QBO	—	—	0.00737 (J)	NA	NA	NA	0.0131 (J)	—	—	—	—	—	—
RE02-07-6848	02-600380	0.0–0.5	ALLH	0.0138 (J)	NA	0.0332 (J)	NA	NA	NA	0.141	0.14	0.269	0.0799 (J)	—	—	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	0.0121 (J)	—	—	—	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	0.0388	0.0809	0.0302 (J)	—	—	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	—	0.004 (J)	0.0106 (J)	NA	NA	NA	0.0483	0.0573	0.0775	0.027 (J)	—	—	—
RE02-07-6864	02-600384	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0288 (J)	0.0482	0.0673	—	—	—	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	—	—	—	NA	NA	NA	0.033 (J)	0.0443	0.035 (J)	0.0198 (J)	—	—	—

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**2310**	**1620**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	0.0161 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0747	—	0.101	0.0142 (J)	0.0000275	0.000018	0.00000205 (J)	—	—	—
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	0.000000805 (J)	0.00000056 (J)	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.189	—	0.373	0.0398	0.0000328	0.00000552	—	—	0.000000917 (J)	0.000000506 (J)
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.000000117 (J)	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.197	—	0.368	0.031 (J)	0.0000322	0.00000673	0.000000489 (J)	—	0.000000871 (J)	0.000000485 (J)
RE02-07-1668	02-600411	4.5–7.0	QAL	0.0423	—	0.0982	—	0.0000162	0.00000331	—	0.000000557 (J)	0.000000565 (J)	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	0.00000107 (J)	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.134	—	0.271	0.0462	0.000046	0.0000156	0.00000105 (J)	—	0.00000151 (J)	—
RE02-07-1674	02-600412	4.5–9.5	QAL	0.0624	—	0.121	0.0117 (J)	0.0000184	0.00000433	0.000000993 (J)	—	0.000000527 (J)	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	0.00000196 (J)	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.785	0.174 (J)	1.52	0.273	0.000116	0.0000424	0.00000181 (J)	—	0.00000224 (J)	—
RE02-07-1680	02-600413	4.5–9.5	QAL	0.0404	—	0.0711	—	0.0000164	0.00000358	0.000000288 (J)	0.000000226 (J)	0.000000602 (J)	0.000000465 (J)
RE02-07-1681	02-600413	9.5–14.5	QAL	0.0257 (J)	—	0.0544	—	0.000000476 (J)	0.000000178 (J)	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	0.000000754 (J)	0.000000189 (J)	—	—	—	—
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.336	—	0.583	0.046	0.000042	0.0000114	0.00000145 (J)	—	0.00000135 (J)	0.000000849 (J)

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**2310**	**1620**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	0.000000369 (J)	0.00000011 (J)	—	—	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	0.00000072 (J)	0.000000235 (J)	—	—	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.177	—	0.221	0.0264 (J)	0.0000203	0.00000591 (J)	0.00000018 (J)	—	0.000000518 (J)	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	0.0312 (J)	—	0.0000193	0.0000027 (J)	0.000000262 (J)	0.000000276 (J)	—	0.000000543 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	0.0118 (J)	—	0.023 (J)	—	0.0000124	0.00000194 (J)	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	0.00000878	0.00000142 (J)	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.148	—	0.261	0.0122 (J)	0.0000718	0.0000105	0.000000706 (J)	0.000000532 (J)	0.00000244 (J)	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	0.0000235	0.00000447	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	0.00000862	0.00000166 (J)	—	—	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	0.101	—	0.0000461	0.00000792	0.000000625 (J)	0.000000755 (J)	0.00000163 (J)	0.00000148 (J)
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	0.00000163 (J)	—	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	0.000118	0.0000256	0.0000027	0.00000376	0.00000362	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	0.0221 (J)	—	0.0399	—	NA	NA	NA	NA	NA	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1923	02-600457	0.0–0.5	ALLH	0.000201 (J)	—	0.000348 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1927	02-600458	0.0–0.5	ALLH	0.05	—	0.0917	—	NA	NA	NA	NA	NA	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1929	02-600458	15.5–19.5	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1931	02-600459	0.0–0.5	ALLH	0.145 (J)	—	0.174	—	NA	NA	NA	NA	NA	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1933	02-600459	15.0–19.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1939	02-600461	0.0–0.5	ALLH	0.0687 (J)	—	0.0723	—	NA	NA	NA	NA	NA	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1943	02-600462	0.0–0.5	ALLH	0.11 (J)	—	0.0979 (J-)	—	NA	NA	NA	NA	NA	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**2310**	**1620**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1946	02-600462	9.5–14.0	QAL	0.961 (J)	—	1.21	—	NA	NA	NA	NA	NA	NA
RE02-07-1945	02-600462	15.0–20.0	QBO	0.0564 (J)	—	0.1	—	NA	NA	NA	NA	NA	NA
RE02-07-1947	02-600463	0.0–0.5	ALLH	0.162	—	0.115	—	NA	NA	NA	NA	NA	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	0.046 (J)	—	0.0383	—	NA	NA	NA	NA	NA	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	0.0183 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1965	02-600467	10.0–12.5	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-2584	02-600580	0.0–0.5	ALLH	9.68	0.513	17.5	1.08	NA	NA	NA	NA	NA	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	0.131	—	0.213	—	NA	NA	NA	NA	NA	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	0.435	—	0.626	0.0143 (J)	NA	NA	NA	NA	NA	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	0.0829	—	0.103	—	NA	NA	NA	NA	NA	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	0.0948	—	0.202	—	NA	NA	NA	NA	NA	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	0.0669	—	0.124	—	NA	NA	NA	NA	NA	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	0.0392	—	0.0538	—	NA	NA	NA	NA	NA	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6840	02-600378	0.0–0.5	ALLH	0.0293 (J)	—	0.0451	—	NA	NA	NA	NA	NA	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	0.0286 (J)	—	0.043	—	NA	NA	NA	NA	NA	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	0.0584	—	0.105	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-6847	02-600379	10.5–11.5	QBO	—	—	0.0154 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-6848	02-600380	0.0–0.5	ALLH	0.163	—	0.334	—	NA	NA	NA	NA	NA	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	0.0393	—	0.0571	—	NA	NA	NA	NA	NA	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	0.0488	—	0.106	—	NA	NA	NA	NA	NA	NA
RE02-07-6864	02-600384	0.0–0.5	ALLH	0.033 (J)	—	0.0499	—	NA	NA	NA	NA	NA	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	0.0299 (J)	—	0.063	—	NA	NA	NA	NA	NA	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**[f]	**490**	**300**[g]	**300**	**na**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0000144	0.00000556	0.00000101 (J)	0.00000823	0.0403	NA	NA	—	—	0.000292
RE02-07-1656	02-600409	4.5–9.5	QAL	0.000000156 (J)	—	—	0.000000124 (J)	—	—	—	—	—	0.00000649
RE02-07-1657	02-600409	9.5–14.5	QAL	0.000000096 (J)	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.000000533 (J)	—	—	0.000000365 (J)	0.153	NA	NA	0.0172 (J)	0.0328 (J)	0.000384
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0000018 (J)	0.000000787 (J)	—	0.00000121 (J)	0.153	NA	NA	0.00986 (J)	0.017 (J)	0.000404
RE02-07-1668	02-600411	4.5–7.0	QAL	0.000000349 (J)	—	—	0.00000016 (J)	—	—	—	—	—	0.000217
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.0000122
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	0.00000209 (J)
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0000071	0.0000031	0.000000608 (J)	0.00000527	0.14	NA	NA	0.033 (J)	0.0897	0.000522
RE02-07-1674	02-600412	4.5–9.5	QAL	0.00000234 (J)	0.00000111 (J)	—	0.000000656 (J)	0.0317 (J)	—	—	—	0.014 (J)	0.000203
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	0.0000254
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.00000821	0.0000032	0.000000636 (J)	0.00000559	0.411	NA	NA	0.16	0.352	0.0022
RE02-07-1680	02-600413	4.5–9.5	QAL	0.000000552 (J)	—	—	0.000000368 (J)	—	—	—	—	—	0.000164
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.00000585
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	—	—	—	—	0.00000854
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.00000759	0.00000261	0.000000589 (J)	0.00000383	0.221 (J)	NA	NA	0.0251 (J)	0.0439	0.000387
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	0.00000368 (J)

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**[f]	**490**	**300**[g]	**300**	**na**
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.00000837
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	0.00000159 (J)
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.000000183 (J)	—	—	0.000000165 (J)	0.213	NA	NA	0.0167 (J)	0.0446	0.000292 (J)
RE02-07-1692	02-600415	4.5–5.1	ALLH	0.00000033 (J)	—	—	0.000000234 (J)	—	—	—	—	—	0.000152 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.0006 (J)	—	—	—	0.00018
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	0.000102
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	0.000000553 (J)
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.00000108 (J)	0.000000543 (J)	—	0.000000675 (J)	—	NA	NA	—	—	0.000659
RE02-07-1699	02-600416	9.5–14.5	QAL	0.000000166 (J-)	—	—	—	—	—	—	—	—	0.00033
RE02-07-1701	02-600416	14.5–19.5	QBO	0.00000014 (J)	—	—	—	—	—	—	—	—	0.00011
RE02-07-1703	02-600417	0.0–0.5	ALLH	0.00000153 (J)	0.000000997 (J)	—	0.00000125 (J)	—	NA	NA	—	—	0.000441
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	0.0000272
RE02-07-1707	02-600417	13.0–15.5	QBO	0.000000648 (J)	0.000000228 (J)	—	—	—	—	—	—	—	0.00149
RE02-07-1919	02-600456	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1923	02-600457	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1927	02-600458	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1929	02-600458	15.5–19.5	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1931	02-600459	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1933	02-600459	15.0–19.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1935	02-600460	0.0–2.3	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1939	02-600461	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1943	02-600462	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	NA	NA	NA	NA	0.269 (J)	—	—	—	—	NA
RE02-07-1945	02-600462	15.0–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**[f]	**490**	**300**[g]	**300**	**na**
RE02-07-1947	02-600463	0.0–0.5	ALLH	NA	NA	NA	NA	0.0627 (J)	NA	NA	—	—	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1965	02-600467	10.0–12.5	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-2584	02-600580	0.0–0.5	ALLH	NA	NA	NA	NA	4.28	NA	NA	0.256	0.94	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	NA	NA	NA	NA	0.0429 (J)	NA	NA	—	—	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	NA	NA	NA	NA	0.145	NA	NA	—	—	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	NA	NA	NA	NA	0.162	NA	NA	—	—	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	NA	NA	NA	NA	0.0207 (J)	NA	NA	—	—	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-2602	02-600583	15.5–20.0	QBO	NA	NA	NA	NA	—	—	0.00242 (J)	—	—	NA
RE02-07-6840	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	0.0146 (J)	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	NA	NA	NA	NA	0.0269 (J)	—	—	0.0145 (J)	0.0383	NA
RE02-07-6847	02-600379	10.5–11.5	QBO	NA	NA	NA	NA	—	—	—	0.00764 (J)	0.0237 (J)	NA
RE02-07-6848	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	0.0715	NA	NA	—	—	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	0.0252 (J)	NA	NA	—	—	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	NA	NA	NA	NA	0.0183 (J)	—	—	—	—	NA
RE02-07-6864	02-600384	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	NA	NA	NA	NA	0.0116 (J)	—	—	—	—	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	NA	NA	NA	NA	—	0.0147 (J)	NA	NA	NA	NA	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0000254	—	0.00000481	0.0000272	0.0958	0.138	0.0000153	NA	9.88	NA	NA
RE02-07-1656	02-600409	4.5–9.5	QAL	0.00000119 (J)	—	0.0000000647 (J)	0.000000213 (J)	—	—	0.000000162 (J)	—	3.37 (J)	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	15.9	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.000016	—	—	0.000000697 (J)	0.287	0.299	—	NA	24.6	NA	NA
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	0.000569 (J)	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0000184	0.000000192 (J)	0.000000552 (J)	0.00000291	0.267	0.332	0.00000185	NA	38	NA	NA
RE02-07-1668	02-600411	4.5–7.0	QAL	0.00000896	—	—	0.000000286 (J)	0.0442	0.11	0.000000196 (J)	—	23	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0000287	—	0.00000237 (J)	0.0000154	0.265	0.237	0.00000839	NA	16.5	NA	NA
RE02-07-1674	02-600412	4.5–9.5	QAL	0.0000104	—	0.000000183 (J)	0.000000869 (J)	0.0765	0.114	0.00000042 (J)	—	32.1	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	0.000000994 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.000183	—	0.00000218 (J)	0.0000149	1.5	1.36	0.00000773	NA	56.2	NA	NA
RE02-07-1680	02-600413	4.5–9.5	QAL	0.00000901	0.000000128 (J)	0.0000002 (J)	0.000000663 (J)	0.0519	0.0773	0.000000552 (J)	—	16.9 (J)	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	0.000000369 (J)	—	—	—	0.0661	0.0609	—	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	0.000000668 (J)	—	—	—	—	—	—	—	—	—	—

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.0000233	—	0.00000184 (J)	0.0000115	0.389	0.498	0.00000604	NA	NA	NA	NA
RE02-07-1686	02-600414	4.5–9.5	QAL	0.000000341 (J)	—	—	0.0000000642 (J)	—	—	—	—	NA	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	0.000000593 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	0.000000262 (J)	—	—	—	—	—	0.000000111 (J)	—	NA	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.0000195	—	—	0.00000018 (J)	0.188	0.257	0.000000102 (J)	NA	NA	NA	NA
RE02-07-1692	02-600415	4.5–5.1	ALLH	0.0000062	0.000000154 (J)	0.0000000847 (J)	0.000000281 (J)	0.0208 (J)	0.042	—	—	NA	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	0.00000481	—	—	—	0.0211 (J)	0.0209 (J)	0.000000135 (J)	—	NA	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	0.00000502 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	0.000000079 (J)	—	NA	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.0000392	0.000000243 (J)	0.000000227 (J)	0.00000103 (J)	0.134	0.258	0.000000631 (J)	NA	NA	NA	NA
RE02-07-1699	02-600416	9.5–14.5	QAL	0.0000145	—	—	—	—	—	—	—	NA	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	0.00000618	—	—	—	—	—	—	—	NA	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	0.0000171	0.000000421 (J)	0.000000611 (J)	0.00000294	0.0357 (J)	0.153	0.00000193	NA	NA	NA	NA
RE02-07-1704	02-600417	4.5–9.5	QAL	0.00000101 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	0.0000889	—	0.00000104 (J)	0.000000445 (J)	—	—	0.000000176 (J)	—	NA	—	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	NA	NA	NA	NA	0.0254 (J)	0.0385	NA	NA	8.21 (J)	NA	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	4.65 (J)	—	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	NA	NA	NA	NA	0.000179 (J)	0.000265 (J)	NA	NA	13.1 (J)	NA	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	2.21 (J)	—	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	NA	NA	NA	NA	0.0438	0.101	NA	NA	25.3 (J)	NA	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	NA	NA	NA	NA	—	—	NA	—	7.31 (J)	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	NA	NA	NA	NA	—	—	NA	—	1.74 (J)	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	NA	NA	NA	NA	0.0668	0.249 (J)	NA	NA	18.4 (J)	NA	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	9.63 (J)	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	NA	NA	NA	NA	—	—	NA	—	2.42 (J)	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	NA	NA	NA	NA	0.017 (J)	—	NA	NA	454	NA	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	NA	NA	NA	NA	—	—	NA	—	4.35	—	—

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-1939	02-600461	0.0–0.5	ALLH	NA	NA	NA	NA	0.0372	0.122 (J)	NA	NA	29 (J)	NA	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	NA	NA	NA	NA	—	0.0157 (J)	NA	—	3.02 (J)	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	NA	NA	NA	NA	0.0326 (J-)	0.242 (J)	NA	NA	40.8 (J)	NA	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	NA	NA	NA	NA	0.38	2.42 (J)	NA	0.00107 (J)	—	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	NA	NA	NA	NA	0.0591	0.155 (J)	NA	—	1.57 (J)	—	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	NA	NA	NA	NA	0.0433	0.144	NA	NA	—	NA	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	13.1 (J)	NA	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	1.68 (J)	NA	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	NA	NA	NA	NA	—	0.0891 (J)	NA	NA	12 (J)	NA	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	NA	NA	NA	NA	—	0.0143 (J)	NA	NA	16.7 (J)	NA	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	NA	NA	NA	NA	—	—	NA	0.000478 (J)	2.65 (J)	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	NA	NA	NA	NA	—	—	NA	—	3.38 (J)	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	NA	NA	NA	NA	9.67	15.1	NA	NA	NA	NA	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	NA	NA	NA	NA	0.0964	0.174	NA	NA	NA	NA	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	NA	NA	NA	NA	0.194	0.764	NA	NA	NA	NA	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	NA	NA	NA	NA	0.0391	0.105	NA	NA	NA	NA	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	NA	NA	NA	NA	0.0896	0.201	NA	NA	NA	NA	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	NA	NA	NA	NA	0.0557	0.119	NA	NA	NA	NA	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	NA	NA	NA	NA	0.0336 (J)	0.0584	NA	NA	NA	NA	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	NA	NA	NA	NA	—	—	NA	—	NA	0.000353 (J)	0.000839 (J)
RE02-07-2602	02-600583	15.5–20.0	QBO	NA	NA	NA	NA	—	—	NA	—	NA	—	—
RE02-07-6840	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	0.0266 (J)	0.0497	NA	NA	NA	NA	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	0.0454	0.0573	NA	NA	NA	NA	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	NA	NA	NA	NA	0.0923	0.108	NA	—	NA	—	—
RE02-07-6847	02-600379	10.5–11.5	QBO	NA	NA	NA	NA	0.0247 (J)	0.0172 (J)	NA	—	NA	—	—
RE02-07-6848	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	0.144	0.31	NA	NA	NA	NA	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	NA	NA	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	0.0272 (J)	0.0525	NA	NA	NA	NA	NA

Table 2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-6861	02-600383	9.5–10.5	QAL	NA	NA	NA	NA	0.047	0.104	NA	—	NA	—	—
RE02-07-6864	02-600384	0.0–0.5	ALLH	NA	NA	NA	NA	0.0238 (J)	0.0579	NA	NA	NA	NA	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	NA	NA	NA	NA	0.0304 (J)	0.0577	NA	—	NA	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] NA = Not analyzed.

[d] — = Analyte not detected.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

[g] Naphthalene used as a surrogate.

[h] Value from NMED (2006, 094614).

Table 2.7-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—[e]	0.0461	4.29	—	—	19.2	—
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	0.0241	1.52	0.034	—	20	—
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	—	0.897	—
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	0.0822	0.0426	—	5.4	—
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	0.0447	—	4.28	—
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	—	4.58	—
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	1.75	—	—	1.87	—
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	—	1.69	—
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	2.97	—	0.0855 (J-)	—	0.00649711	—
RE02-07-1529	02-600378	9.5–12.0	QBO	—	0.263	—	—	—	0.311517	—
RE02-07-1533	02-600379	9.5–14.0	QBO	—	—	—	—	—	0.358994	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	—	—	0.0609 (J-)	—	0.0144918	—
RE02-07-1537	02-600380	9.5–12.0	QBO	—	0.378	—	—	—	0.0771247	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	4.76	—	—	1.61	0.0261236	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	0.394286	—
RE02-07-1542	02-600381	16.5–20.0	QBO	—	—	—	—	—	0.0517562	0.286
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	—	0.0102681	—
RE02-07-1545	02-600382	9.5–12.0	QBO	—	—	—	—	—	0.11326	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	0.552	—	—	—	0.110905	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	0.253	—	—	—	0.0954164	—
RE02-07-1554	02-600384	13.5–17.0	QBO	—	—	—	—	—	0.0666584	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	0.872	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	0.20381	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	—	0.017688	—
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.101121	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	—	0.0298578	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	2.01	—	—	0.867054	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	0.376188	—
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	—	0.439091	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	0.0344831	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	2.7	—	—	0.518501	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	0.0708587	—
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.283677	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	0.1762	—

Table 2.7-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	0.109635	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	—	0.0375676	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	—	0.321476	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	0.0842927	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.166274	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	—	0.00968911	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	0.0256196	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	—	0.0623223	—
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	0.0577	—	0.0323971	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	—	—	0.211
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	—	0.0330946	—
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	—	0.406077	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	—	0.0894932	—
RE02-07-1925	02-600457	14.0–19.0	QBO	—	—	—	—	—	0.0711927	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	—	0.022959	—
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.0421229	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	0.0299	—	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	—	—	0.197
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	0.0636	—	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	2.86	—	—	—	—
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	0.0605579	—
RE02-07-1965	02-600467	10.0–12.5	QBO	—	—	—	—	—	—	0.2
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	0.0512	—	—	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	0.806	—	—	—
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	—	0.0188167	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	0.0520148	—
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	—	—	0.0411766	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	0.0532	0.956	—	2.44	—	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	0.0688	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.8-1
Summary of Inorganic Chemicals above BV at AOCs 02-004(b, c, and d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cyanide (Total)	Iron	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**0.5**	**21500**	**671**	**15.4**	**na[b]**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**0.5**	**3700**	**189**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**13700**	**100000**	**48400**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2222	02-600508	0.0–0.5	ALLH	—[e]	—	—	—	0.525 (U)	—	—	0.54	—	—	—	1.92	0.000992 (J)	1.57 (U)	—	—
RE02-07-2224	02-600508	13.0–15.0	QBO	13700	—	1.42 (J)	65.8	0.637 (U)	—	5.68	—	8090	322	2.57	—	—	0.662 (J)	4.88 (J)	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	—	—	—	—	—	—	34.4 (J)	—	—	—	—	1.98	0.000912 (J)	1.55 (U)	—	158
RE02-07-2228	02-600509	9.5–15.0	QBO	8160	—	1.71 (J)	26.4	0.604 (U)	—	5.2	—	7210	198	2.09	—	—	0.781 (J)	4.61 (J)	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	—	—	—	0.492 (U)	—	20.3 (J)	—	—	—	—	5.15	0.00168 (J)	—	—	64.9
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	—	—	—	—	20 (J)	—	—	—	—	6.47	—	—	—	56.5
RE02-07-2237	02-600511	14.0–19.0	QBO	9960	—	1.22 (J)	32.1	0.604 (U)	—	13	—	7240	340	2.02	—	—	0.663 (J)	4.79 (J)	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	—	—	0.502 (U)	7960 (J+)	37.3	—	—	—	—	1.64	0.00149 (J)	—	—	98.2
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	—	—	17.3 (J-)	0.00216 (J-)	—	—	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	8.04	0.000719 (J)	—	—	56.2
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	—	—	0.5 (U)	—	—	—	—	—	—	1.41	—	—	—	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	—	—	—	—	—	—	—	—	—	1.02 (J-)	—	1.61 (U)	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	7720	—	0.721 (J)	—	—	—	—	—	5810	208	—	—	—	1.78 (U)	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	—	—	—	—	—	1.75 (J-)	—	1.53 (U)	—	49.3
RE02-07-2435	02-600545	9.5–14.3	QAL	—	—	—	—	0.548 (U)	—	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	10500 (J)	0.525 (UJ)	1.95 (U)	—	0.649 (U)	—	3.77 (J)	—	5280 (J)	—	—	—	—	1.95 (U)	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	3.02	0.000599 (J)	—	—	—
RE02-07-2439	02-600546	9.5–11.0	QAL	—	—	—	—	0.548 (U)	—	24.5	—	—	733	—	3.32	—	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.8-2
Summary of Organic Chemicals Detected at AOCs 02-004(b, c, and d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene	Dibenzofuran	Fluoranthene	Fluorene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**	**1620**	**24400**	**26500**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.0265 (J)	0.0415	—[c]	0.197	0.431	0.108	0.108 (J)	0.213 (J)	—	—	0.107	—	0.22	0.0233 (J)
RE02-07-2224	02-600508	13.0–15.0	QBO	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.0291 (J)	0.0396	—	0.0802 (J-)	0.152 (J-)	0.102	0.0927	0.184	—	—	0.0941	—	0.207	0.0247 (J)
RE02-07-2228	02-600509	9.5–15.0	QBO	—	—	—	—	0.0025 (J-)	—	—	—	—	—	—	—	—	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	0.037	—	0.0733	0.0423	0.241	0.253	0.421	0.195	—	0.251	—	0.384	—
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	—	0.0482	0.023 (J+)	0.0172 (J)	—	0.0282 (J)	—	—	0.0167 (J)	—	0.0319 (J)	—
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	—	0.172	0.378	0.0234 (J)	—	—	—	—	0.0149 (J)	—	0.0294 (J)	—
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	—	—	0.0275	—	—	—	—	—	—	—	—	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	0.0143 (J)	—	0.0192	0.0219	0.06	0.0514	0.0971	0.0875	—	0.0538	—	0.12	—
RE02-07-2325	02-600527	9.5–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	—	0.0075	0.0092	0.0194 (J)	—	—	—	—	0.0211 (J)	—	0.0423	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.231	0.301	—	—	0.242	0.351	0.411	0.537	0.285 (J)	—	0.369	0.163 (J)	0.818	0.254
RE02-07-2435	02-600545	9.5–14.3	QAL	—	0.0166 (J)	—	—	0.0019 (J)	0.0595	0.049	0.085	—	—	0.0624	—	0.116	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	0.306	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	0.0105 (J)	—	—	0.0241 (J)	0.0562	0.112	0.0741	0.0505 (J)	—	0.0499	—	0.105	—
RE02-07-2439	02-600546	9.5–11.0	QAL	—	0.0152 (J)	—	0.0149	0.0142	0.0354 (J)	0.0221 (J)	0.0233 (J)	0.0142 (J)	0.0186 (J)	0.0238 (J)	—	0.0645	—

Table 2.8-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene
Industrial SSLs[b]				**na**[d]	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**23.4**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.00228	0.000112 (J)	0.00000868	0.0000056	0.0000236	0.0000131	0.00000864	0.00000542	0.000000959 (J)	0.00000763	—
RE02-07-2224	02-600508	13.0–15.0	QBO	0.0000217	0.00000109 (J)	—	—	0.00000022 (J)	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.00651	0.00027 (J)	0.0000215	0.0000139	0.000078	0.000033	0.00000988	0.00000805	0.00000142 (J)	0.0000115	0.107
RE02-07-2228	02-600509	9.5–15.0	QBO	0.00000522	0.00000104 (J)	—	—	0.000000212 (J)	—	0.000000105 (J)	0.0000000382 (J)	—	0.0000000508 (J)	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	0.000815	0.0000541 (J)	0.00000425	0.00000361	0.0000133	0.00000746	0.00000229 (J)	0.00000183 (J)	0.000000466 (J)	0.00000223 (J)	0.175
RE02-07-2234	02-600511	0.0–0.5	ALLH	0.00356	0.000165 (J)	0.0000121	0.00000623	0.0000363	0.0000155	0.00000393	0.00000222 (J)	0.000000566 (J)	0.00000359	—
RE02-07-2237	02-600511	14.0–19.0	QBO	0.000000638 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	0.0012	0.000162	0.0000205 (J)	0.00000575	0.00003	0.0000133	0.0000058	0.00000527	0.00000112 (J)	0.00000744	—
RE02-07-2321	02-600526	9.5–12.0	QAL	0.000244	0.0000284	0.00000296	0.00000137 (J)	0.00000548	0.00000304	0.00000104 (J)	0.00000109 (J)	—	0.00000123 (J)	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	0.000959	0.0000704	0.00000659	0.00000334	0.0000143	0.00000729	0.0000023 (J)	0.00000159 (J)	0.000000388 (J)	0.00000232 (J)	0.0842
RE02-07-2325	02-600527	9.5–14.0	QAL	—	0.000000196 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	0.000355	0.0000228	0.00000198 (J)	0.00000128 (J)	0.00000508	0.00000339	0.000000841 (J)	0.00000074 (J)	0.000000176 (J)	0.000000927 (J)	—
RE02-07-2329	02-600528	9.5–17.3	QAL	0.00000114 (J)	0.000000324 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	0.000000244 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.00122	0.00011	0.0000132	0.00000502	0.0000222	0.0000114	0.00000603	0.00000468	0.000000856 (J)	0.00000641	0.263
RE02-07-2435	02-600545	9.5–14.3	QAL	0.00000197 (J)	0.000000759 (J)	—	—	—	—	—	—	—	—	0.0258 (J)
RE02-07-2437	02-600545	14.3–18.5	QBO	0.00000172 (J)	0.000000384 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	0.000197	0.0000215	—	0.00000157 (J)	0.00000437	0.00000308	—	0.000000737 (J)	—	0.00000101 (J)	0.0665
RE02-07-2439	02-600546	9.5–11.0	QAL	0.00000133 (J)	0.000000793 (J)	—	—	—	—	—	—	—	—	0.0127 (J)

Table 2.8-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]
Industrial SSLs[b]				**300**[e]	**300**	**na**	**na**	**na**	**na**	**na**	**20500**	**30900**	**0.00018**[f]	**na**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.00703 (J)	0.017 (J)	0.0234	0.000378	0.00000222 (J)	0.00000217 (J)	0.0000136	0.164	0.273	0.000000348 (J)	0.00000761
RE02-07-2224	02-600508	13.0–15.0	QBO	—	—	0.000153	0.00000344 (J)	—	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.00916 (J)	0.018 (J)	0.0494	0.000859	0.00000483	0.00000146 (J)	0.00000701	0.175	0.185	0.000000633	0.00000337
RE02-07-2228	02-600509	9.5–15.0	QBO	—	—	0.0000578	0.00000323 (J)	—	—	0.000000072 (J)	—	—	—	0.0000000472 (J)
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	—	0.00766	0.000167	0.00000117 (J)	0.000000359 (J)	0.00000105 (J)	0.107	0.416	—	0.000000774 (J)
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	0.0444	0.000745	0.0000021 (J)	0.00000024 (J)	0.000000672 (J)	0.0145 (J)	0.0266 (J)	0.000000286 (J)	0.000000447 (J)
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	0.00000681	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	0.0123	0.000539	0.00000226 (J)	0.00000099 (J)	0.00000445	0.0141 (J)	0.0275 (J)	—	0.00000217
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	0.00238	0.0000769 (J)	—	—	—	—	—	—	0.000000156 (J)
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	—	0.0114	0.000325	0.00000112 (J)	—	—	0.061	0.0904	0.00000018 (J)	0.000000305 (J)
RE02-07-2325	02-600527	9.5–14.0	QAL	—	—	0.00000283 (J)	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	0.00274	0.0000834	0.000000602 (J)	—	—	0.0321 (J)	0.0371	—	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	0.000011	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	—	—	0.00000171 (J)	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.156	0.551	0.00984	0.000324	0.00000172 (J)	0.00000103 (J)	0.00000622	1.21	0.904	—	0.00000328
RE02-07-2435	02-600545	9.5–14.3	QAL	—	—	0.0000181	0.00000156 (J)	—	—	—	0.0699	0.111	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	0.00002	0.00000143 (J)	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	—	0.00182	0.0000838	—	—	—	0.0435	0.0991	—	0.000000304 (J)
RE02-07-2439	02-600546	9.5–11.0	QAL	—	—	0.0000119	0.00000153 (J)	—	—	—	0.0527	0.0509	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] na = Not available.

[e] Naphthalene used as a surrogate.

[f] EPA Region 6 (2007, 095866).

Table 2.8-3
Summary of Radionuclides Detected or Detected above BV/FV at AOCs 02-004(b,c,d)

Sample ID	Location ID	Depth (ft)	Media	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**na[c]**	**0.054**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**5.1**	**210**	**440000**	**87**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.806	0.164	0.0166164	—[e]
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.884	0.149	0.0165105	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	0.756	—	—
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	0.197	0.0102305	—
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	—	0.207
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	0.00837898	—
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	0.915975	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	0.0761	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	0.0705	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	—	0.251
RE02-07-2439	02-600546	9.5–11.0	QAL	NA[f]	NA	0.0417753	NA

Note: All values in pCi/g.
[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.
[b] BVs/FVs are from LANL (1998, 059730).
[c] na = Not available.
[d] All values from LANL (2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.
[f] NA = Not analyzed.

Table 2.9-1
Summary of Inorganic Chemicals above BV at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**5000**[d]	**45400**	**100000**	**800**	**na**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—[e]	—	—	—	29	—	—	—	—	—	—	—	—	0.000929 (J)	—	—	65.8
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	0.529 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2392	02-600537	15.0–19.5	QBO	9700	2.28	30.9	0.591 (U)	14.2	4.36	9850	26.5	988 (J+)	399	—	—	—	—	2.51	8.86	41.8
RE02-07-2394	02-600538	0.0–0.5	ALLH	—	—	—	—	31.6	—	—	—	—	—	—	—	1.31 (J-)	0.00162 (J)	—	—	73.9
RE02-07-2396	02-600538	14.5–16.0	QBO	8030	1.35 (J)	—	0.587 (U)	11.6 (U)	—	5800	—	—	258	—	2.14 (U)	—	—	1.76 (U)	4.85	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	—	—	—	66.2 (U)	19	—	23.2	—	—	1.2	—	3.44	0.000536 (J)	—	—	120
RE02-07-2399	02-600539	9.5–12.8	QAL	—	—	—	0.573 (U)	33.4 (U)	—	—	—	—	—	—	—	—	—	1.72 (U)	—	—
RE02-07-2400	02-600539	12.8–17.5	QBO	9150	1.32 (J)	28.9 (J+)	0.602 (U)	13.7 (U)	—	5840 (J+)	—	—	209	—	3.26 (U)	—	—	1.72 (J)	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.9-2
Summary of Organic Chemicals Detected at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chrysene	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**2310**	**24400**	**26500**	**na[c]**	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—[d]	—	—	0.18	0.0211 (J)	0.0261 (J)	0.033 (J)	—	0.02 (J)	0.0274 (J)	—	0.00202	0.000328
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	0.0033 (J)	—	—	—	—	—	—	—	0.00000234 (J)	0.000000842 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.000000283 (J)	0.0000000965 (J)
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0202 (J)	0.0405	—	0.00455	0.139	0.122 (J)	0.204 (J)	0.0618 (J)	0.14	0.278	0.016 (J)	0.00175	0.000187
RE02-07-2396	02-600538	14.5–16.0	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00000827	0.000000823 (J)
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.00721 (J)	0.0736	0.107	0.0378	0.0419 (J)	0.0464 (J)	—	0.0306 (J)	0.0568	—	0.00314	0.000471
RE02-07-2399	02-600539	9.5–12.8	QAL	—	—	—	0.0024 (J)	—	—	—	—	—	—	—	0.000115	0.0000192
RE02-07-2400	02-600539	12.8–17.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00000964	0.00000158 (J)

Table 2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	0.0000292	0.00000764	0.000047	0.0000173	0.0000103	0.00000726	0.00000215 (J)	0.00000995
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	—	0.000000084 (J)	—	—	0.0000000642 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	—	—	—	0.0000000293 (J)	—	—	—
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0000169	0.00000878	0.0000336	0.0000186	0.00000833	0.00000681	0.00000152 (J)	0.00000855
RE02-07-2396	02-600538	14.5–16.0	QBO	—	—	0.000000154 (J)	—	0.0000000627 (J)	—	—	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	0.0000499	0.0000183	0.0000869	0.0000417	0.0000155	0.0000161	0.00000341	0.0000213
RE02-07-2399	02-600539	9.5–12.8	QAL	0.00000151 (J)	0.000000375 (J)	0.00000356	0.000000621 (J)	0.000000335 (J)	0.000000168 (J)	—	0.000000427 (J)
RE02-07-2400	02-600539	12.8–17.5	QBO	0.000000116 (J)	0.0000000639 (J)	0.000000296 (J)	—	—	—	—	—

Table 2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]
Industrial SSLs[b]				**23.4**	**na**	**na**	**na**	**na**	**na**	**20500**	**30900**	**0.00018**[e]	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—	0.0193	0.00126	0.00000278	0.00000144 (J)	0.00000641	0.0171 (J)	0.0328 (J)	—	0.00000339
RE02-07-2391	02-600537	9.5–14.5	QAL	—	0.0000257	0.00000116 (J)	—	—	0.0000000774 (J)	—	—	—	0.0000000594 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	0.00000176 (J)	—	—	—	—	—	—	—	—
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0486 (J)	0.0151 (J-)	0.000567	0.00000336	0.00000146 (J)	0.00000582	0.202	0.327	0.000000491 (J)	0.00000282
RE02-07-2396	02-600538	14.5–16.0	QBO	—	0.000074	0.00000202 (J)	—	—	—	—	—	—	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.0285	0.00133	0.00000806	0.00000254	0.00000864	0.0361	0.0794	0.00000105	0.0000047
RE02-07-2399	02-600539	9.5–12.8	QAL	—	0.00109	0.0000811	—	—	—	—	—	—	—
RE02-07-2400	02-600539	12.8–17.5	QBO	—	0.000106	0.00000544	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] — = Analyte not detected.

[e] EPA Region 6 (2007, 095866).

Table 2.9-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054[b]**	**na[c]**
Industrial Screening Action Levels[d]				**23**	**210**	**440000**
RE02-07-2391	02-600537	9.5–14.5	QAL	—[e]	—	0.0668511
RE02-07-2394	02-600538	0.0–0.5	ALLH	—	0.0829	0.0110539
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.392	—
RE02-07-2399	02-600539	9.5–12.8	QAL	0.128	0.0546	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.10-1
Summary of Inorganic Chemicals above BV at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	0.122	—	NA[f]
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	—	0.528 (U)	—	—	—	—	NA
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	—	—	—	0.718	—	—	0.217	61.4	NA
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	—	—	—	0.176	—	NA
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	0.327	—	NA
RE02-03-51879	02-22378	1.5–2.0	ALLH	—	—	—	—	0.536 (U)	—	—	—	—	NA
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	0.0666 (J)	—	NA
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	0.545 (U)	—	—	0.0806 (J)	—	NA
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	0.518 (U)	—	—	NA	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	11500	—	1.15 (J)	40.5	0.594 (U)	—	—	NA	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	—	—	—	—	—	—	29.4	NA	20.1	—
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	—	—	0.505 (U)	—	—	NA	—	—
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	8860	—	1.75 (U)	41.5 (J+)	0.585 (U)	—	20.2 (U)	NA	4	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	—	—	—	0.496 (U)	—	—	NA	—	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	0.537 (U)	—	—	NA	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	10500	—	1.66 (U)	38 (J+)	0.552 (U)	—	2.99 (J)	NA	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	—	NA	—	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	80.3	NA	19.5	—
RE02-07-2007	02-600473	13.0–18.0	QBO	9220	—	1.65 (J)	71	—	—	13.7 (U)	NA	4.69	—
RE02-07-2008	02-600473	18.0–23.0	QBO	6170	0.575 (UJ)	0.776 (J)	—	0.723 (U)	—	3.8 (U)	NA	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	0.524 (U)	—	—	NA	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	10100	—	1.43 (J)	77.3	0.586 (U)	—	13.3	NA	148	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2015	02-600475	16.0–18.5	QBO	13000 (J+)	—	1.71 (U)	48.7 (J+)	0.572 (U)	—	4.32	NA	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.544 (U)	—	—	NA	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	5210	—	1.75 (U)	—	0.583 (U)	—	9.87 (U)	NA	8.87 (U)	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	—	—	—	24.7	NA	—	—

Table 2.10-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.527 (U)	—	—	NA	27.3 (U)	—
RE02-07-2023	02-600477	23.0–25.0	QBO	7030	0.518 (UJ)	1.93 (U)	—	0.643 (U)	—	8.89 (U)	NA	16.9 (U)	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	0.548 (U)	—	—	NA	—	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.535 (U)	—	—	NA	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	12800 (J+)	—	0.835 (J)	109	0.6 (U)	—	5.02 (U)	NA	4.36 (U)	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	37	NA	—	—
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	0.664	—	29.2	NA	85.9	—
RE02-07-2031	02-600479	12.6–16.5	QBO	5950	—	1.31 (J)	38 (J+)	—	—	10.2	NA	10.6 (J)	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	23.5	NA	—	—
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	—	32.1	NA	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	8460 (J+)	—	1.36 (J)	36.7	0.598 (U)	—	22.7 (U)	NA	116	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	0.512 (U)	—	—	NA	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	10100	—	1.04 (J)	40.8	0.583 (U)	—	4.21 (U)	NA	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	—	—	0.494 (U)	—	—	NA	—	—
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	0.558 (U)	—	—	NA	—	—
RE02-07-2521	02-600565	16.0–21.0	QBO	9640	—	1.81	33.3	0.57 (U)	—	7 (U)	NA	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2525	02-600566	14.5–20.0	QBO	7740	—	2.35	51.1	0.562 (U)	—	7.07 (U)	NA	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	—	—	—	0.464 (J)	7520	162 (J)	NA	50.9	—
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	NA	—	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	0.525 (U)	—	—	NA	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	5270	—	0.716 (J)	—	0.57 (U)	—	12.9	NA	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	—	—	0.524 (U)	—	—	NA	—	1.06
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	—	—	—	0.505 (U)	—	—	NA	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	0.532 (U)	—	—	NA	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	4650	—	1.41 (J)	30.9	0.55 (U)	—	13.2 (U)	NA	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	—	0.528 (U)	—	—	NA	—	—
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	0.547 (U)	—	19.5 (J)	NA	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	7140	—	1.04 (J)	40.7	0.605 (U)	—	11.4 (J)	NA	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	—	—	0.494 (U)	—	—	NA	—	—
RE02-07-2548	02-600572	9.5–11.7	QAL	—	—	—	—	0.516 (U)	—	50.9 (J)	NA	—	—
RE02-07-2549	02-600572	19.5–21.7	QBO	8870	—	1.32 (J)	44.8	0.588 (U)	—	13.7	NA	—	—

Table 2.10-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—	—	—	—	—	NA[f]	NA	—	—	—
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	1.19	—	NA	NA	—	—	—
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	45.6	—	—	—	NA	NA	—	—	270
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51879	02-22378	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	0.234 (J+)	—	2.21	—	1.55 (U)	—	63.4
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	1.43	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	4880	—	—	—	—	—	—	0.954 (J)	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	—	—	—	0.191 (J+)	—	—	—	—	—	53.5
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	—	1.65	—	—	—	—
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	—	—	—	2.84	0.000724 (J)	—	—	99.3
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	1.41	0.00237	1.53 (U)	—	65
RE02-07-1999	02-600471	18.0–25.0	QBO	5100	—	—	—	2.04 (U)	—	—	1.75 (U)	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	—	—	—	—	1.18	—	—	—	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	4790	—	—	—	—	—	—	1.66 (U)	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	—	—	—	—	9.16	0.00327	—	—	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	2.18 (J-)	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	5650	—	364	—	3.55 (U)	—	—	1.7 (U)	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	4250	—	—	—	—	—	—	2.17 (U)	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	0.559	—	1.59	—	1.54 (U)	—	238 (J)
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	0.101	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	6000	15.8	303	—	6.36	—	—	0.912 (J)	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	1.64	—	1.34	—	—	—	57.3 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	1.82	—	—	—	—	—	76.3
RE02-07-2015	02-600475	16.0–18.5	QBO	5080	—	216 (J+)	—	2.2	1.41 (J-)	0.00363	0.852 (J)	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	—	0.979 (J)	—	—	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	4610	—	—	—	2.97 (U)	—	—	0.908 (J)	—	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	2.9	—	1.23	—	—	—	69.7 (J)
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	0.941	—	1 (J)	—	1.58 (U)	—	53.7
RE02-07-2023	02-600477	23.0–25.0	QBO	5540	—	204	—	5.76 (U)	—	—	0.834 (J)	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	—	—	0.465	—	1.67	—	—	—	62.5 (J)
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	—	5.72	—	—	—	—

Table 2.10-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	7270	—	1370	—	2.52 (U)	2.68	—	1.33 (J)	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	0.292	—	1.49	—	—	—	77.1 (J)
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	1.24	—	—	—	49.1 (J)
RE02-07-2031	02-600479	12.6–16.5	QBO	7140	—	378	—	2.98	—	—	1.67 (U)	7.84	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	0.223	—	1.86	—	1.53 (U)	—	97.9 (J)
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	3.07	—	1.71 (U)	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	9690	19.5 (U)	253	—	4.98 (U)	2.72	—	0.897 (J)	13.7	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	—	—	—	0.843 (J)	0.000732 (J-)	1.84	—	58.4
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	—	1.43	—	—	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	5180	—	—	—	—	—	—	1.28 (J)	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	—	—	—	3.06	0.000556 (J-)	—	—	—
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2521	02-600565	16.0–21.0	QBO	7030	—	191	—	2.08 (U)	—	—	1.34 (J)	5.82	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	—	—	—	1.92 (J-)	0.00162 (J-)	—	—	56.2
RE02-07-2525	02-600566	14.5–20.0	QBO	11900	—	576	—	—	—	—	2.48	6.01	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	60.5	—	—	—	3.82	—	1.6 (U)	—	160
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	—	1.18	0.00657 (J-)	—	—	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	2.25	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	5220	—	—	—	3.41 (J)	—	—	1.49 (J)	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	—	0.302	—	1.22	—	—	—	—
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	—	—	0.282	—	—	—	—	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	0.364	—	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	7470	—	—	—	3.66 (U)	—	—	1.65 (U)	7.48 (J)	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	0.194	—	—	0.00123 (J-)	1.57 (J)	—	50.4
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	6680	—	210 (J-)	—	5.59	—	—	1.81 (U)	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	—	0.759	—	1.1	—	—	—	—
RE02-07-2548	02-600572	9.5–11.7	QAL	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2549	02-600572	19.5–21.7	QBO	6680	—	325 (J+)	—	3.96	—	—	1.76 (U)	6.56	—

Note: All values in mg/kg.
[a] BVs are from LANL (1998, 059730).
[b] na = Not available.
[c] All values from NMED (2006, 092513) unless otherwise noted.
[d] EPA Region 6 (2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] NA = Not analyzed.

Table 2.10-2
Summary of Organic Chemicals Detected at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.0373	NA[c]	0.0708	—[d]	4.52	1.69	0.12	—	0.213 (J)	—	—	—	NA	0.133
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	0.042	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0123 (J)	NA	0.0249 (J)	—	2.11	5.75	0.11 (J)	—	0.15 (J)	—	0.066 (J)	—	NA	0.105 (J)
RE02-07-1994	02-600470	4.5–7.5	QAL	0.0466	—	0.0532	—	0.0544 (J)	0.068	0.201	—	0.247 (J)	0.0597 (J)	—	—	—	0.162
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	NA	—	—	0.219	0.533	—	—	—	—	—	—	NA	0.0135 (J)
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	0.0969 (J+)	0.0728 (J+)	—	0.155 (J)	0.131 (J)	—	—	—	—	0.0799
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	NA	—	—	0.24	0.561	—	—	—	—	—	—	NA	—
E02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	NA	—	—	0.0802	0.202	—	—	—	—	—	—	NA	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000317 (J)	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	NA	0.00797 (J)	—	—	1.85	0.0291 (J)	0.0338 (J)	0.041	—	0.0147 (J)	—	NA	0.0352
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	—	0.0435	—	—	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	—	0.00356 (J)	—	—	—	0.0027 (J)	—	—	—	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	NA	—	—	0.0546	0.0994	0.018 (J)	0.0152 (J)	0.021 (J)	—	—	—	NA	0.0143 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	—	—	0.0686	—	0.093	0.0202 (J)	—	—	—	—	0.0115 (J)
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	NA	—	—	0.0528	0.0999	—	—	—	—	—	0.591	NA	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.0034 (J)	0.0049	—	—	—	—	—	—	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	NA	—	—	0.0408	0.0284 (J)	0.0978	0.0853	0.143	—	—	—	NA	0.113
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.149	—	—	0.088	0.0135 (J)	—	—	—	—	—
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	NA	—	—	—	0.313	0.0304 (J)	0.0234 (J)	0.055	—	—	—	NA	0.0266 (J)
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	0.0027 (J)	0.0073	—	—	—	—	—	—	—	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—	—

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.0194 (J)	NA	0.0282 (J)	—	—	0.687	0.0604	0.0539	0.104	0.0337 (J)	—	—	NA	0.0654
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	0.0066	—	—	—	—	—	—	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	NA	—	—	0.052	0.087	0.0127 (J)	0.0126 (J)	0.0136 (J)	—	—	—	NA	0.0127 (J)
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	—	—	0.0022 (J)	—	—	—	—	—	—	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	NA	—	—	0.0542	0.136	0.015 (J)	0.0152 (J)	0.0172 (J)	—	0.0107 (J)	—	NA	0.0161 (J)
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	NA	—	—	0.0329	0.0625	0.0178 (J)	0.0157 (J)	0.0239 (J)	—	0.0235 (J)	—	NA	0.0143 (J)
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	NA	—	—	0.0135	0.0162	—	0.0302 (J)	0.0412	0.0141 (J)	—	—	NA	0.0345
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	NA	0.0161 (J)	—	3.92	6.97	0.0884 (J)	0.102 (J)	0.194 (J)	0.0515 (J)	—	—	NA	0.0996 (J)
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	NA	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	NA	—	—	—	—	0.0109 (J)	—	0.0124 (J)	—	—	—	NA	—
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	NA	—	—	—	—	0.0132 (J)	0.0129 (J)	0.0202 (J)	—	—	—	NA	0.0118 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	—	—	—	0.0141 (J)	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	NA	—	—	—	0.0148 (J)	—	—	—	—	—	—	NA	—
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000258 (J)	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	NA	—	—	—	0.0056	—	—	—	—	—	—	NA	—
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-1989	02-600469	0.0–0.5	ALLH		0.268	0.0306 (J)	0.000514	0.0000436	0.00000635	0.00000179 (J)	0.0000116	0.00000507	0.0000249
RE02-07-1990	02-600469	4.5–9.5	QAL		—	—	0.00000134 (J)	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0404 (J)	0.217	—	0.00106	0.000101	0.0000104	0.00000259	0.000026	0.00000654	0.0000454
RE02-07-1994	02-600470	4.5–7.5	QAL	0.0566 (J)	0.323	0.0185 (J)	0.00146	0.000162	0.00000539	0.000000562 (J)	0.0000271	0.00000262	0.00000141 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	0.0231 (J)	—	0.000065	0.0000147	0.000000975 (J)	—	0.00000185 (J)	—	0.00000208 (J)
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	0.0792	—	—	—	—	—	—	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	0.0236 (J)	—	0.0000332	0.0000107	0.000000885 (J)	0.000000593 (J)	0.00000113 (J)	—	0.00000964
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	0.0151 (J)	—	0.0000998	0.00000773	0.000000521 (J)	0.00000101 (J)	0.00000419	0.00000174 (J)	0.00000182 (J)
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	0.0000014 (J)	0.000000339 (J)	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	0.00000103 (J)	—	—	—	—	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	0.0675	—	0.000233	0.0000347 (J)	0.00000331	0.00000125 (J)	0.0000056	0.00000312	0.000016
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	0.0000199	0.00000176 (J)	—	—	0.000000507 (J)	—	0.000000792 (J)
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	0.000000749 (J)	0.000000184 (J)	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	0.0245 (J)	—	0.0000552	0.00000607 (J)	0.000000487 (J)	—	0.00000102 (J)	0.000000623 (J)	0.00000119 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	0.0237 (J)	—	0.000283	0.0000192	0.00000103 (J)	0.00000132 (J)	0.00000514	0.00000375	0.00000142 (J)
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	0.00000525	0.00000101 (J)	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	0.000205	0.0000166 (J)	0.00000186 (J)	0.00000122 (J)	0.00000445	0.00000269	0.00000141 (J)
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	0.0000431	0.00000238 (J)	0.000000232 (J)	—	—	0.000000443 (J)	0.000000257 (J)
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	—	0.000000941 (J)	0.00000244 (J)	0.000000319 (J)	—	—	—	0.00000305
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.0502 (J)	0.137	—	0.000297	0.0000319 (J)	0.00000186 (J)	0.00000169 (J)	0.00000618	0.00000343	0.00000207 (J)
RE02-07-2022	02-600477	4.5–9.0	QAL	0.0439 (J)	0.0148 (J)	—	0.0000715	0.0000101	0.000000588 (J)	—	0.00000178 (J)	0.000000971 (J)	0.000000383 (J)
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	0.000000454 (J)	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	0.0439	—	0.0017	0.000269 (J)	0.0000157	0.00000498	0.0000384	0.0000128	0.00000634
RE02-07-2026	02-600478	4.5–9.5	QAL	0.0954 (J)	—	—	0.0000748	0.00000883 (J)	0.000000616 (J)	—	0.00000164 (J)	—	0.000000277 (J)

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	0.00000527	0.00000105 (J)	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	0.000000718 (J)	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	0.153	0.0196 (J)	0.000645	0.0000634 (J)	0.00000593	0.00000293	0.0000123	0.00000649	0.00000357
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	0.0000138	0.00000241 (J)	0.000000184 (J)	—	0.000000362 (J)	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	0.0000246	0.00000397 (J)	—	—	0.000000699 (J)	—	0.000000626 (J)
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	0.0208 (J)	—	0.00129	0.0000794 (J)	0.00000568	0.00000585	0.0000234	0.0000131	0.00000282
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	0.000203	0.00000473 (J)	0.000000514 (J)	—	0.00000336	0.00000145 (J)	0.00000036 (J)
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	0.0000419	0.00000516 (J)	0.000000409 (J)	—	0.00000119 (J)	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	0.0222 (J)	—	0.000638	0.000127	0.0000107	0.00000431	0.0000184	0.00000901	0.00000493
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	0.000000591 (J)	0.000000286 (J)	—	—	—	—	0.000000138 (J)
RE02-07-2517	02-600564	14.5–22.0	QBO	0.04 (J)	—	—	—	0.0000000319 (J)	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.0375 (J)	0.0222 (J)	—	0.000442	0.0000856	0.00000763	0.00000357	0.0000111	0.00000704	0.00000296
RE02-07-2520	02-600565	9.5–15.0	QAL	0.043 (J)	—	—	0.000000318 (J)	0.000000366 (J)	—	—	—	—	0.000000176 (J)
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.0486 (J)	0.0582	—	0.0011	0.000169	0.0000168	0.00000839	0.0000231	0.0000166	0.00000534
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	0.000000493 (J)	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	0.189	—	0.00982	0.00145	0.000152	0.0000519	0.000303	0.000117	0.0000854
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	0.00000999	0.00000336	0.000000227 (J)	0.000000187 (J)	0.000000463 (J)	0.000000377 (J)	0.000000359 (J)
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	0.000000354 (J)	0.000000154 (J)	—	—	—	—	0.0000000418 (J)
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	0.000000084 (J)	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	0.0385 (J)	0.0123 (J)	—	0.0000224	0.00000325	—	0.000000155 (J)	0.000000702 (J)	0.000000284 (J)	0.000000172 (J)
RE02-07-2536	02-600569	9.5–12.7	QAL	0.0472 (J)	—	—	0.00000383	0.00000077 (J)	0.0000000554 (J)	—	0.000000129 (J)	—	0.0000000725 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.0491 (J)	0.0157 (J)	—	0.00000672	0.00000172 (J)	—	0.000000124 (J)	0.000000327 (J)	0.000000256 (J)	0.000000106 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	0.0133 (J)	—	0.0000103	0.00000252 (J)	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	0.0413 (J)	—	—	0.00000351	0.000000717 (J)	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	0.0000107	0.0000029	0.000000177 (J)	0.0000000967 (J)	0.000000405 (J)	0.000000257 (J)	0.000000233 (J)
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	0.00000119 (J)	—	—	—	—	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	0.0591 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	0.0127 (J)	—	0.0000177	0.0000442	0.000000297 (J)	—	0.000000919 (J)	0.000000317 (J)	0.000000313 (J)
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	0.000000915 (J)	—	—	—	—	—	—

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**23.4**	**389**	**490**	**300**[f]	**300**	**na**	**na**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.0000094	0.0000039	0.00000756	—	NA	NA	—	—	0.00457	0.000114
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.0000135	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0000162	0.00000277	0.0000261	—	NA	NA	—	—	0.0194	0.000273
RE02-07-1994	02-600470	4.5–7.5	QAL	0.000000575 (J)	—	0.0000014 (J)	0.0631 (J)	—	—	—	0.0143 (J)	0.0338	0.000297 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	0.000000904 (J)	—	0.00000128 (J)	—	NA	NA	—	—	0.000645	0.0000379
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	0.00000133 (J)	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	—	—	—	—	0.00000105 (J)	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	0.00000421	—	0.00000614	—	NA	NA	—	—	0.000324	0.0000142
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	0.00000395 (J)	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	0.000000743 (J)	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	0.000000933 (J)	0.00000025 (J)	0.00000147 (J)	—	NA	NA	—	—	0.000991	0.000017
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	0.000014	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	0.0000192	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	0.00000941	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	0.00000635	0.00000128 (J)	0.0000102	—	NA	NA	—	—	0.00322	0.0000892
RE02-07-2010	02-600474	4.5–10.0	QAL	0.000000321 (J)	—	0.000000357 (J)	—	—	0.0046 (J)	—	—	0.000456	0.00000616
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	—	—	—	—	—	0.00000981	0.000000538 (J)
RE02-07-2013	02-600475	0.0–0.5	ALLH	0.000000562 (J)	—	0.00000075 (J)	—	NA	NA	—	—	0.000718	0.0000176
RE02-07-2014	02-600475	4.0–5.0	QAL	0.000000785 (J)	—	0.00000112 (J)	—	—	—	—	—	0.00602	0.0000854
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	0.00588 (J)	—	—	0.000072	0.00000383 (J)
RE02-07-2017	02-600476	0.0–0.5	ALLH	0.000000967 (J)	—	0.00000134 (J)	—	NA	NA	—	—	0.00198	0.0000449
RE02-07-2018	02-600476	4.5–9.0	QAL	0.000000127 (J)	—	0.000000191 (J)	—	—	0.00478 (J)	—	—	0.000379	0.00000665
RE02-07-2019	02-600476	20.0–25.0	QBO	0.00000116 (J)	—	0.00000188 (J)	—	—	—	—	—	0.00000748	0.00000315 (J)
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.00000127 (J)	0.000000311 (J)	0.00000141 (J)	—	NA	NA	—	—	0.00245	0.000111
RE02-07-2022	02-600477	4.5–9.0	QAL	0.000000352 (J)	—	0.000000399 (J)	—	—	0.00563	—	—	0.000599	0.0000371
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	0.00968	—	—	0.00000483 (J)	0.000000331 (J)
RE02-07-2025	02-600478	0.0–0.5	ALLH	0.00000524	0.000000949 (J)	0.00000704	—	NA	NA	—	—	0.0157	0.00124
RE02-07-2026	02-600478	4.5–9.5	QAL	0.000000232 (J)	—	0.000000283 (J)	—	—	—	—	—	0.000654	0.0000308

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**23.4**	**389**	**490**	**300**[f]	**300**	**na**	**na**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.000251 (J)	—	—	—	0.0000843	0.00000363 (J)
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	0.000008	0.000000522 (J)
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.00000271	0.000000664 (J)	0.00000329	—	NA	NA	0.00811 (J)	0.0147 (J)	0.00588	0.000192
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	—	—	—	0.000132	0.00000727
RE02-07-2031	02-600479	12.6–16.5	QBO	0.000000149 (J)	—	—	—	—	—	—	—	0.000285	0.000014
RE02-07-2033	02-600480	0.0–0.5	ALLH	0.00000303	0.000000458 (J)	0.00000383	—	NA	NA	—	—	0.0084	0.000225
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	0.000000299 (J)	—	—	0.00215 (J)	—	—	0.00116	0.0000123
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	0.000000134 (J)	—	—	—	—	—	0.000522	0.0000189
RE02-07-2515	02-600564	0.0–0.5	ALLH	0.00000465	0.000000783 (J)	0.00000637	—	NA	NA	—	—	0.00617	0.000309
RE02-07-2516	02-600564	9.5–14.5	QAL	0.0000000561 (J)	—	—	—	—	—	—	—	0.00000487 (J)	0.000000394 (J)
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	0.000000119 (J)
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.00000269	0.000000473 (J)	0.00000373	—	NA	NA	—	—	0.00509	0.000273
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	0.00000241 (J)	0.000000284 (J)
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.00000369	0.000000918 (J)	0.00000556	—	NA	NA	—	—	0.0137	0.00113
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	0.00000548	0.000000543 (J)
RE02-07-2527	02-600567	0.0–0.5	ALLH	0.0000615	0.00000896	0.000092	0.0687 (J)	NA	NA	—	—	0.11	0.0039
RE02-07-2531	02-600568	0.0–0.5	ALLH	0.0000002 (J)	—	0.000000213 (J)	—	NA	NA	—	—	0.0000811	0.00000398 (J)
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	0.00000277 (J)	0.000000194 (J)
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	0.000000331 (J)	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	0.000000169 (J)	—	NA	NA	—	—	0.000325	0.00000876
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	0.000059	0.00000164 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.000000108 (J)	—	0.000000118 (J)	—	NA	NA	—	—	0.0000804	0.00000442 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	—	—	—	0.000149	0.00000514
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	0.00004	0.00000249 (J)
RE02-07-2543	02-600571	0.0–0.5	ALLH	0.000000154 (J)	—	0.0000002 (J)	—	NA	NA	—	—	0.000108	0.00000926
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	0.0000171	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	0.00000678	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.000000357 (J)	—	NA	NA	—	—	0.000207	0.0000206
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	0.0000107	0.000000919 (J)

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial SSLs[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.000000975 (J)	0.00000167 (J)	0.0000229	—	0.272	0.351	—	0.00000506	NA
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.00000108 (J)	0.0000117	0.0000785	—	0.104	0.263 (J)	—	0.0000398	NA
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	0.000000623 (J)	—	0.185	0.279	—	—	0.000556 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	0.00000286	—	—	0.0291 (J)	—	0.00000177	NA
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	0.03 (J)	0.135	—	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	0.00000332	0.0000205	—	0.0145 (J)	0.0443 (J)	—	0.0000112 (J)	NA
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	0.000411 (J)
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	0.000000734 (J)	0.000000484 (J)	0.00000243 (J)	—	—	0.0444 (J)	—	0.00000157	NA
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	0.00000508	0.0000327	—	0.038	0.0657	—	0.0000174	NA
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	0.00000105 (J)	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	0.000000134 (J)	0.000000391 (J)	0.00000199 (J)	—	0.0129 (J)	0.0251 (J)	—	0.00000114	NA
RE02-07-2014	02-600475	4.0–5.0	QAL	0.000000954 (J)	—	0.00000191 (J)	—	0.0128 (J)	0.0171 (J)	0.00000023 (J)	0.000000988 (J)	—
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	0.000000645 (J)	0.000000372 (J)	0.00000193 (J)	—	—	—	—	0.00000126	NA
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	—	—	—	—	0.000426 (J)
RE02-07-2019	02-600476	20.0–25.0	QBO	—	0.000000924	0.00000581 (J)	—	—	—	—	0.00000273	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.000000548 (J)	0.000000324 (J)	0.00000154 (J)	—	0.0229 (J)	0.177	—	0.000000862 (J)	NA
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	—	0.0143 (J)	—	—	—
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	0.00000186 (J)	0.000000901 (J)	0.00000409	—	0.0133 (J)	0.0432	0.000000328 (J)	0.00000197	NA

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial SSLs[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.000504 (J)
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.0000012 (J)	0.00000081 (J)	0.00000357	—	0.118	0.128	0.000000211 (J)	0.00000192	NA
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	0.000000829 (J)	—	—	—	—	0.00000143	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	0.00000249 (J-)	—	0.00000185 (J)	—	0.0114 (J)	0.0211 (J)	0.000000389 (J)	0.000000967 (J)	NA
RE02-07-2034	02-600480	4.5–10.0	QAL	0.000000216 (J)	0.000000381 (J)	0.000000432 (J)	—	—	—	—	0.000000877 (J)	0.00112
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	0.00000163 (J)	0.000000718 (J)	0.00000253	—	—	0.0213 (J)	0.000000328 (J)	0.00000137	NA
RE02-07-2516	02-600564	9.5–14.5	QAL	—	0.0000000955 (J)	0.0000000908 (J)	—	—	—	—	0.000000198 (J)	—
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.00000146 (J)	0.000000399 (J)	0.00000167 (J)	—	—	0.0216 (J)	0.000000199 (J)	0.00000118	NA
RE02-07-2520	02-600565	9.5–15.0	QAL	—	0.0000000544 (J)	—	—	—	—	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.00000303	—	0.000000877 (J)	0.301 (J)	0.0315 (J)	0.0471	0.000000307 (J)	0.000000592 (J)	NA
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	0.0000231	0.0000229	0.000132	—	0.0826	0.214 (J)	0.00000284	0.0000798	NA
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	0.000000187 (J)	—	—	—	—	0.000000133 (J)	NA
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	0.0000000687 (J)	—	0.000000119 (J)	—	—	0.0112 (J)	—	0.0000000976 (J)	NA
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	0.000425 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.0000000817 (J)	—	—	—	—	0.0159 (J)	—	—	NA
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	0.0149 (J)	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	0.000000292 (J)	—	—	—	—	0.000000247 (J)	NA
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—

Table 2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial SSLs[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.000000167 (J)	—	—	—	—	0.00000018 (J)	NA
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] NA = Not analyzed.

[d] — = Analyte not detected.

[e] na = Not available.

[f] Naphthalene used as a surrogate.

[g] EPA Region 6 (2007, 095866).

Table 2.10-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—[e]	—	—	—	0.0852	—
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	—	0.0545	—
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	0.11	—	—	0.0694	—
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	0.0622	—
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	0.923	—
RE02-03-51879	02-22378	1.5–2.0	ALLH	0.0454	—	—	—	0.614	—
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	0.357	—
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	2.41	—
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	—	0.0159653	—
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	0.0788696	—
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	0.695833	—
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	0.260671	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	0.111039	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	0.225
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	0.0363882	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	—	0.0117742	—
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	0.236047	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	—	0.00966109	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.440696	—
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	0.133	—	0.0660952	0.182
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	—	0.0451419	—
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.81017	—
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	0.716	0.56557	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.254922	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	—	0.0199386	—
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	2.17686	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	—	—	0.181
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	—	0.0380017	—
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	3.80729	—

Table 2.10-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	0.0316	—	0.0496098	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	0.0667	—	0.00719992	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	0.0803	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	0.115	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	0.212	0.577	—	—	—
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	0.00980899	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	0.0587	—	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	0.0200215	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	3.18276	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	0.198
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.0616	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.11-1
Summary of Inorganic Chemicals above BV at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—[e]	—	—	—	—	—	—	0.262 (J-)	—
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	0.538 (U)	—	—	0.0747 (J-)	—
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	—	—	—	—	0.0661 (J)	—
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	0.553 (U)	—	—	—	—
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	—	0.533 (U)	—	—	0.075 (J)	—
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.108	—
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	—	—	—	6610 (J-)	—	NA[f]	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	0.525 (U)	—	—	NA	—
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	0.554 (U)	—	—	NA	—
RE02-07-2107	02-600490	14.5–19.5	QBO	12500	0.536 (UJ)	1.35 (J)	57.3	0.668 (U)	—	19.5 (U)	NA	4.79
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	0.548 (U)	—	—	NA	—
RE02-07-2111	02-600491	15.5–19.5	QBO	7450	—	1.77 (U)	28.6	0.591 (U)	—	3.35	NA	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	0.527 (U)	—	—	NA	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	0.544 (U)	—	—	NA	—
RE02-07-2115	02-600492	14.5–19.5	QBO	10600	—	0.728 (J)	72.4 (J-)	0.546 (U)	—	8.07 (J)	NA	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	—	0.553 (U)	—	—	NA	28.9
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	0.574 (U)	—	50.7 (J)	NA	—
RE02-07-2119	02-600493	19.0–22.0	QBO	7310	—	1.8 (U)	—	0.599 (U)	—	2.64	NA	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	—	—	—	0.563 (U)	—	56.4	NA	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	0.549 (U)	—	19.4	NA	51.3
RE02-07-2123	02-600494	14.5–22.0	QBO	6100	—	1.57 (J)	33.7	0.58 (U)	—	4.76	NA	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	—	—	0.958	—	—	NA	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	0.501 (U)	—	—	NA	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	0.504 (U)	—	—	NA	—
RE02-07-2135	02-600497	15.0–18.5	QBO	5010	—	1.07 (J)	28.4	0.616 (U)	—	9.21 (U)	NA	—

Table 2.11-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Zinc
ALLH/FILL/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**40**
SED BV[a]				**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**60.2**
Industrial SSLs[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—	—	—	1.07 (J)	—	NA	NA	—	—
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	68.4
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	—	0.294 (J-)	—	1.22 (J-)	—	—	56.1 (J+)
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	2.8	—	2.4	—
RE02-07-2107	02-600490	14.5–19.5	QBO	7880	—	275 (J+)	—	3.56 (U)	—	—	2.49	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	0.415	—	3.71 (J-)	—	—	—
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	2.55 (J-)	0.000966 (J)	1.64 (U)	—
RE02-07-2111	02-600491	15.5–19.5	QBO	4640	—	207 (J+)	—	—	—	—	1.77 (U)	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	1.03 (J)	—	1.79	—
RE02-07-2115	02-600492	14.5–19.5	QBO	5050	—	210 (J)	—	2.5	—	—	1.64 (U)	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	1.5	0.00062 (J)	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	4790	—	224 (J+)	—	—	—	—	0.615 (J)	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	1.09 (J)	—	2.28	—
RE02-07-2123	02-600494	14.5–22.0	QBO	5850 (J)	—	305	—	3.81 (J-)	—	—	2.63	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	—	—	—	1.33 (J-)	—	—	53.8 (J+)
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	—	4.55 (J-)	—	1.5 (U)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	1.87	—
RE02-07-2135	02-600497	15.0–18.5	QBO	6300	—	210 (J+)	—	2.43 (U)	—	—	2.15	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	—	4.49 (J-)	—	9.24	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	2.7	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	53.9	—	—	—	1.97	—	14.7	50
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	35.6	—	0.297 (J)	—	1.32	—	—	92.8

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.11-2
Summary of Organic Chemicals Detected at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chloroform	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**9.59**	**2310**	**68400**	**24400**	**26500**
RE02-07-2101	02-600489	0.0–0.5	ALLH	—[c]	—	0.0528	0.0382	—	0.123 (J)	0.179 (J)	0.0407 (J)	NA[d]	—	—	0.187	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.0261 (J)	0.0356	0.0403	0.0197 (J)	0.119	0.115 (J)	0.18 (J)	0.0552 (J)	NA	0.111	—	0.168	0.0141 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0641 (J)	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	0.0498 (J)	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	0.0042 (J-)	—	—	—	—	—	NA	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	0.0034 (J-)	—	—	—	—	NA	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.000313 (J)	—	—	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	0.0703 (J)	—	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	—	0.0052 (J-)	0.0036 (J)	—	—	0.0248 (J)	—	NA	—	—	0.0263 (J)	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	0.0245 (J)	0.016 (J)	—	0.0269 (J)	0.045 (J)	—	NA	0.0287 (J)	—	0.0437	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	—	0.022 (J)	0.0273 (J)	—	NA	0.0176 (J)	—	0.0259 (J)	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	—	0.00712 (J)	—	—	—	0.0141 (J)	0.0164 (J)	—	NA	0.0167 (J)	—	0.0169 (J)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.11-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]
Industrial SSLs[b]				**na**[e]	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.000657	0.000084	0.0000078	0.00000383	0.0000145	0.00000846	0.00000387	0.00000318	0.0000009 (J)
RE02-07-2106	02-600490	4.5–9.0	QAL	0.000000105 (J)	0.00000007 (J)	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	0.000000972 (J)	0.00000032 (J)	—	—	—	—	0.0000000442 (J)	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.0000109	0.00000533	0.000000786 (J)	—	—	—	0.00000429	0.00000144 (J)	0.000000305 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	0.000000245 (J)	—	—	—	—	—	—	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	0.000000208 (J)	—	—	—	—	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	0.000000445 (J)	—	—	—	—	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	0.000000814 (J)	0.000000243 (J)	—	—	—	—	—	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	0.000000387 (J)	—	—	—	—	—	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	0.00000156 (J)	0.000000386 (J)	—	—	—	—	0.000000109 (J)	0.0000000397 (J)	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	0.000000551 (J)	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.00125	0.000553	0.0000469	0.0000346	0.0000734	0.0000818	0.0000489	0.0000424	0.00000819
RE02-07-2129	02-600496	0.0–0.5	SED	0.00000908	0.00000326	—	—	0.000000434 (J)	0.00000041 (J)	0.000000436 (J)	0.000000256 (J)	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.0000157	0.00000588	0.000000456 (J)	0.000000295 (J)	0.000000722 (J)	—	0.000000915 (J)	0.000000533 (J)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	0.000000585 (J)	0.000000207 (J)	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	0.000000127 (J)	0.000000107 (J)	—	—	—	—	0.0000000289 (J)	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	0.00000132 (J)	0.00000166 (J)	—	—	—	—	—	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	0.00000102 (J)	0.00000134 (J)	—	—	—	—	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	0.0000329	0.0000105	0.000000801 (J)	0.000000447 (J)	0.00000127 (J)	0.000000835 (J)	0.000000549 (J)	0.000000604 (J)	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.0000324	0.0000112	0.000000574 (J)	—	0.00000089 (J)	0.000000462 (J)	0.000000539 (J)	0.000000448 (J)	—

Table 2.11-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Methylene Chloride	MethylNaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]
Industrial SSLs[b]				**na**	**23.4**	**490**	**300**[f]	**300**	**na**	**na**	**na**	**na**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.00000445	—	NA	—	—	0.015	0.000217	0.00000213 (J)	0.000000608 (J)
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	0.0000122	0.000000747 (J)	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.00000218 (J)	0.0401 (J)	NA	—	0.0178 (J)	0.000113	0.00000839	—	0.00000106 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	0.00000134 (J)	0.000000168 (J)	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	0.00000168 (J)	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	0.0000015 (J)	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	0.00000559	0.000000364 (J)	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	0.00254 (J)	—	—	0.00000712	0.00000049 (J)	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	0.0000028 (J)	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	0.0000000323 (J)	—	—	—	—	0.0000126	0.000000802 (J)	—	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	0.0000017 (J)	0.000000221 (J)	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.0000492	—	NA	—	—	0.00581	0.000652	0.0000206	0.00000403
RE02-07-2129	02-600496	0.0–0.5	SED	0.000000302 (J)	—	NA	—	—	0.0000645	0.00000533	—	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.00000078 (J)	—	NA	—	—	0.000111	0.00000825	—	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	0.00000462 (J)	0.000000373 (J)	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	0.00000179 (J)	—	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	NA	—	—	0.0000116	0.00000133 (J)	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	NA	0.00783 (J)	—	0.00000821	0.000000909 (J)	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	0.000000897 (J)	—	NA	—	—	0.000259	0.0000325	0.000000312 (J)	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.00000071 (J)	—	NA	0.0152 (J)	—	0.000275	0.0000335	0.000000152 (J)	—

Table 2.11-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trichloroethene
Industrial SSLs[b]				**na**	**20500**	**30900**	**0.00018**[g]	**na**	**31.6**	**252**	**1.56**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.00000237 (J)	0.0828 (J)	0.221	0.00000026 (J)	—	NA	NA	NA
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	0.000583 (J)	0.000884 (J)
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.00000681	0.118	0.185	—	0.00000343	NA	NA	NA
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	—	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	0.000302 (J)	0.00336	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	—	0.000343 (J)	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.0000124	0.022 (J)	0.0618	0.000000756	0.00000123	NA	NA	NA
RE02-07-2129	02-600496	0.0–0.5	SED	—	0.0114 (J)	0.0217 (J)	—	0.000000189 (J)	NA	NA	NA
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.00000115 (J)	—	0.0158 (J)	—	0.00000055 (J)	NA	NA	NA
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	—	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	0.0144 (J)	—	—	NA	NA	NA
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA
RE02-07-6826	02-600493	0.9–1.4	QAL	0.000000859 (J)	—	—	—	0.000000239 (J)	NA	NA	NA
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.000000604 (J)	0.0267 (J)	0.0205 (J)	—	0.00000028 (J)	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Naphthalene used as a surrogate.

[g] EPA Region 6 (2007, 095866).

Table 2.11-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**
SED BV/FV[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**
Industrial SALs[d]				**180**	**9.7**	**5.1**	**210**	**1900**	**440000**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—[e]	0.0453	—	—	—	0.04
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	0.233	0.0474
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	0.301	0.142	0.0753
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	—	0.0904
RE02-03-51892	02-22385	1.0–1.5	ALLH	—	—	—	—	—	0.0201
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	0.105	0.102	0.0144
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	0.115	—	—
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	0.504	0.195 (J+)	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	1.85	—	0.0286246
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	0.0835	—	0.0118856
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	0.187463
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	0.0345484
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	0.0539966
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	0.0515	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.165	2.88	—	0.169 (J+)	—	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	0.13 (J+)	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.12-1
Summary of Inorganic Chemicals above BV at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Arsenic	Cadmium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Zinc
ALLH/QAL BV[a]				**8.17**	**0.4**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**48.8**
QCT BV[a]				**0.56**	**0.4**	**2.6**	**na**	**3.96**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**40**
Industrial SSLs[c]				**17.7**	**564**	**5000[d]**	**3400**	**45400**	**13700**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-2445	02-600547	0.0–0.5	ALLH	—[e]	0.496 (U)	—	0.24 (J)	—	—	—	—	—	—	—	1.74	0.000873 (J)	1.91 (U)	54.2
RE02-07-2446	02-600547	2.0–2.5	QAL	—	0.505 (U)	—	—	—	—	—	—	—	—	—	1.36 (J-)	0.000775 (J-)	—	—
RE02-07-2448	02-600548	0.0–0.5	ALLH	—	0.538 (U)	—	—	—	—	—	—	—	—	—	2.43	—	6.48	—
RE02-07-2451	02-600549	0.0–0.5	ALLH	—	0.522 (U)	—	—	—	—	—	—	—	—	—	2.03	—	7.67	51.9
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	0.514 (U)	—	—	—	—	—	—	—	—	—	2.26	—	8.37	49.8
RE02-07-2457	02-600551	0.0–0.5	ALLH	—	0.518 (U)	—	—	—	—	—	—	—	—	—	3.08	—	6.01	63.1
RE02-07-2460	02-600552	0.0–0.5	ALLH	—	0.545 (U)	—	—	—	—	—	—	—	—	—	1.95 (J-)	0.00108 (J)	1.67	—
RE02-07-2463	02-600553	0.0–0.5	ALLH	—	0.512 (U)	—	—	34.9 (J)	—	—	—	—	2.17	—	1.75 (J-)	—	1.66	—
RE02-07-2464	02-600553	2.0–4.5	QAL	—	0.495 (U)	—	0.34	—	—	—	—	—	0.22	—	—	—	5.89	—
RE02-07-2465	02-600553	4.5–7.0	QAL	—	0.514 (U)	—	0.433 (J)	—	—	—	—	—	—	—	1.27	0.00253	5.74	—
RE02-07-2466	02-600554	0.0–1.1	ALLH	—	0.53 (U)	—	0.527 (J)	—	—	—	—	—	—	—	1.8	—	8.01	—
RE02-07-2467	02-600554	2.0–3.0	QAL	—	0.504 (U)	—	—	—	—	—	—	—	—	—	1.07	—	8.16	—
RE02-07-2468	02-600554	4.5–5.0	QCT	1.51	0.498 (U)	6.8	—	—	—	5150	—	304	—	2.43	—	—	5.23	44.8
RE02-07-2469	02-600555	0.0–1.1	ALLH	—	0.498 (U)	—	0.106 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2470	02-600555	2.0–2.5	QAL	—	0.505 (U)	—	0.0522 (J)	—	—	—	—	—	—	—	—	—	—	53.9
RE02-07-2472	02-600556	0.0–0.5	ALLH	—	0.501 (U)	—	0.0497 (J)	—	—	—	—	—	—	—	—	—	—	50.9
RE02-07-2473	02-600556	2.0–3.0	QAL	—	0.504 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2475	02-600557	0.0–0.5	ALLH	—	0.563 (U)	—	—	—	0.547	—	—	—	—	—	2.49	—	6.68	—
RE02-07-2478	02-600558	0.0–0.5	ALLH	—	0.554 (U)	—	—	—	—	—	—	—	—	—	4.74	0.0007 (J)	6.36	—
RE02-07-2479	02-600558	2.0–2.5	QAL	—	0.5 (U)	—	1.06	—	—	—	—	—	—	—	—	—	5.75	—
RE02-07-2480	02-600558	4.5–5.0	QAL	—	0.508 (U)	—	0.0951 (J)	—	—	—	—	—	—	—	—	0.00108 (J)	6.1	—
RE02-07-2481	02-600559	0.0–0.5	ALLH	—	0.524 (U)	—	0.768 (J)	—	—	—	24.4	—	—	—	2.2 (J-)	0.000622 (J-)	1.71 (U)	68.5
RE02-07-2482	02-600559	2.0–2.5	QAL	—	0.527 (U)	—	0.692 (J)	—	—	—	60.6	—	—	—	1.16 (J-)	—	2.24 (U)	74.4
RE02-07-2484	02-600560	0.0–0.5	ALLH	—	0.523 (U)	—	0.0703 (J)	—	—	—	—	—	—	—	3.55	—	6.71	—
RE02-07-2485	02-600560	2.0–3.0	QAL	—	0.505 (U)	—	—	—	—	—	—	—	—	—	2.02	—	6.94	—
RE02-07-2486	02-600560	4.5–5.0	QAL	—	0.511 (U)	—	—	—	—	—	—	—	—	—	1.33	—	6.51	—
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	—	—	—	—	—	—	66.6	—	—	—	—	0.000758 (J)	7.35	71.7
RE02-07-2490	02-600562	0.0–0.5	ALLH	—	0.505 (U)	—	—	—	—	—	—	—	—	—	—	—	8.37	—

Note: All values in mg/kg.
[a] BVs are from LANL (1998, 059730).
[b] na = Not available.
[c] All values from NMED (2006, 092513) unless otherwise noted.
[d] EPA Region 6 (2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.12-2
Summary of Organic Chemicals Detected at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(b)fluoranthene	Fluoranthene	Pyrene	Toluene
Industrial SSLs[a]				**8.26**	**8.26**	**23.4**	**24400**	**30900**	**252**
RE02-07-2445	02-600547	0.0–0.5	ALLH	NA[b]	NA	0.0182 (J)	0.0173 (J)	0.0154 (J)	NA
RE02-07-2446	02-600547	2.0–2.5	QAL	NA	NA	—[c]	—	—	0.00142
RE02-07-2448	02-600548	0.0–0.5	ALLH	—	0.0055	NA	NA	NA	NA
RE02-07-2451	02-600549	0.0–0.5	ALLH	0.0025 (J)	0.002 (J)	NA	NA	NA	NA
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	0.0094	NA	NA	NA	NA
RE02-07-2460	02-600552	0.0–0.5	ALLH	0.0019 (J)	0.0021 (J)	NA	NA	NA	NA
RE02-07-2463	02-600553	0.0–0.5	ALLH	0.0059	0.0062	NA	NA	NA	NA
RE02-07-2469	02-600555	0.0–1.1	ALLH	0.0022 (J)	0.0027 (J)	NA	NA	NA	NA
RE02-07-2472	02-600556	0.0–0.5	ALLH	0.0027 (J)	0.0022 (J)	NA	NA	NA	NA
RE02-07-2475	02-600557	0.0–0.5	ALLH	0.0064	0.0059	NA	NA	NA	NA
RE02-07-2478	02-600558	0.0–0.5	ALLH	0.0017 (J)	0.0021 (J)	NA	NA	NA	NA
RE02-07-2481	02-600559	0.0–0.5	ALLH	0.0987	0.0958	NA	NA	NA	NA
RE02-07-2482	02-600559	2.0–2.5	QAL	—	0.513	NA	NA	NA	NA
RE02-07-2485	02-600560	2.0–3.0	QAL	0.0029 (J)	0.0025 (J)	NA	NA	NA	NA
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	1.42	NA	NA	NA	NA
RE02-07-2490	02-600562	0.0–0.5	ALLH	—	0.0025 (J)	NA	NA	NA	NA

Note: All values in mg/kg.

[a] All values from NMED (2006, 092513) unless otherwise noted.

[b] NA = Not analyzed.

[c] — = Analyte not detected.

Table 2.12-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**0.054**	**na[c]**
Industrial SALs[d]				**180**	**23**	**210**	**440000**
RE02-07-2445	02-600547	0.0–0.5	ALLH	—[e]	—	0.0647	—
RE02-07-2446	02-600547	2.0–2.5	QAL	—	—	—	0.00557382
RE02-07-2451	02-600549	0.0–0.5	ALLH	—	—	0.0962	—
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	—	0.0963	—
RE02-07-2460	02-600552	0.0–0.5	ALLH	—	—	0.114 (J-)	—
RE02-07-2463	02-600553	0.0–0.5	ALLH	—	—	0.224 (J-)	—
RE02-07-2464	02-600553	2.0–4.5	QAL	—	—	0.0368	—
RE02-07-2466	02-600554	0.0–1.1	ALLH	—	0.216	—	—
RE02-07-2470	02-600555	2.0–2.5	QAL	—	—	—	0.00617213
RE02-07-2478	02-600558	0.0–0.5	ALLH	—	—	—	0.251049
RE02-07-2480	02-600558	4.5–5.0	QAL	—	—	—	0.00695318
RE02-07-2481	02-600559	0.0–0.5	ALLH	0.0275	—	1.6	0.0170288
RE02-07-2482	02-600559	2.0–2.5	QAL	0.139	0.331	6.8	0.025821
RE02-07-2486	02-600560	4.5–5.0	QAL	—	—	—	0.0577164
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	—	0.0546	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.13-1
Summary of Inorganic Chemicals above BV at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**[b]	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH BV[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790**[d]	**5680**	**100000**
RE02-03-51168	02-22052	2.5–3.0	ALLH	—[e]	—	—	—	0.526 (U)	—	—	NA[f]	—	NA	—	—	—	NA	NA	—	—
RE02-03-51170	02-22053	2.5–3.0	ALLH	—	—	—	—	0.539 (U)	—	—	NA	—	NA	—	—	—	NA	NA	—	—
RE02-03-51146	02-22054	1.0–1.5	ALLH	—	—	—	—	0.545 (U)	—	—	NA	—	NA	—	—	—	NA	NA	—	—
RE02-03-51172	02-22054	2.5–3.0	ALLH	—	—	—	—	0.51 (U)	—	—	NA	—	NA	22.7	—	—	NA	NA	—	—
RE02-03-51148	02-22055	10.0–10.5	QBT3	—	—	47.4 (J+)	—	—	—	—	NA	—	NA	—	—	—	NA	NA	0.513 (U)	—
RE02-03-51174	02-22055	11.5–12.0	QBT3	8660 (J)	2.91	63.3 (J+)	—	—	—	—	NA	—	NA	—	—	14.4	NA	NA	0.526 (U)	—
RE02-03-51150	02-22056	10.0–10.5	QBT3	13960 (J)	3.44	107 (J+)	—	—	2500 (J+)	8.37	NA	6.22	NA	11.9	2220 (J)	7.99	NA	NA	0.533 (U)	—
RE02-03-51176	02-22056	11.5–12.0	QBT3	13580 (J)	3.16	98.6 (J+)	—	—	3480 (J+)	7.55	NA	5.73	NA	19.1	2290 (J)	—	NA	NA	0.484 (U)	—
RE02-03-51152	02-22057	10.0–10.5	QBT3	11320 (J)	3.05	80.5 (J+)	—	—	—	—	NA	4.92	NA	—	—	—	NA	NA	0.524 (U)	—
RE02-03-51178	02-22057	11.5–12.0	QBT3	13220 (J)	3	76 (J+)	—	—	2300 (J+)	—	NA	4.87	NA	—	1880 (J)	—	NA	NA	0.525 (U)	—
RE02-03-51154	02-22058	10.0–10.5	QBT3	10370 (J)	2.89	73.3 (J+)	—	—	—	—	NA	4.68	NA	—	1740 (J)	—	NA	NA	0.515 (U)	—
RE02-03-51155	02-22058	10.0–10.5	QBT3	NA	NA	NA	NA	NA	NA	NA	0.0649 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-03-51156	02-22059	6.0–6.5	QBT3	12800 (J)	3.04	66.3 (J+)	—	—	2640 (J+)	7.37	NA	5.13	NA	16.3	2120 (J)	—	NA	NA	0.509 (U)	—
RE02-03-51182	02-22059	7.5–8.0	QBT3	15750 (J)	3.3	87.3 (J+)	1.3	—	3330 (J+)	9.03	NA	6.61	NA	21.8	2880 (J)	7.86	NA	NA	0.536 (U)	—
RE02-03-51183	02-22059	7.5–8.0	QBT3	NA	NA	NA	NA	NA	NA	NA	0.064 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1025	02-600247	0.0–0.5	ALLH	—	—	—	—	0.587 (U)	—	—	—	—	—	—	—	—	—	0.0011 (J)	13	—
RE02-07-1030	02-600247	0.8–1.6	QBT3	—	—	—	—	—	—	7.26	—	—	—	—	—	—	—	—	6.8	—
RE02-07-1026	02-600247	4.5–6.6	QBT3	—	—	—	—	—	—	28	0.0247 (J)	—	—	—	—	12.7 (U)	—	0.0023	9.42	—
RE02-07-1027	02-600247	9.5–11.6	QBT3	—	—	—	—	—	—	—	—	—	—	16.2	—	—	—	0.000915 (J)	7.1	—
RE02-07-1028	02-600247	14.5–17.0	QBT3	—	—	—	—	—	—	—	0.0328 (J)	—	—	—	—	—	—	0.000584 (J)	5.4	—
RE02-07-1029	02-600247	19.5–22.0	QBT3	—	—	—	—	—	—	—	—	—	—	13	—	—	—	0.00132 (J)	7.99	—
RE02-07-1031	02-600248	0.0–0.5	ALLH	—	—	—	—	0.535 (U)	—	—	—	—	—	—	—	—	1.07 (J)	0.00109 (J)	14.1	—
RE02-07-1036	02-600248	1.0–1.9	QBT3	—	2.96	99.5	—	—	4630 (J+)	10.7	—	—	—	—	—	—	—	0.00176 (J)	12.2	—
RE02-07-1032	02-600248	4.5–6.5	QBT3	—	—	55.3	—	—	2620 (J+)	—	0.0349 (J)	—	—	—	—	—	—	0.00307	0.923 (J)	—
RE02-07-1033	02-600248	9.5–11.7	QBT3	—	—	—	1.61	—	—	—	—	—	—	13.9	—	—	—	0.00435	8.48	—
RE02-07-1034	02-600248	14.5–16.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00194 (J)	6.74	—
RE02-07-1035	02-600248	19.5–21.7	QBT3	—	—	—	—	—	—	7.75 (U)	0.0523 (J)	—	—	—	—	—	—	0.00122 (J)	5.85	—
RE02-07-1037	02-600249	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	—	—	—	—	—	—	2.59	0.00124 (J)	2.42 (U)	—
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	—	1.68 (U)	—
RE02-07-6673	02-600249	4.5–6.7	QBT3	—	—	—	—	—	—	—	0.0514 (J-)	—	—	16.8	—	—	—	0.00123 (J)	7.68	—
RE02-07-6672	02-600249	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	—	18.6	—	—	0.986 (J)	0.00692	6.15	—

Table 2.13-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH BV[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-6671	02-600249	14.5–16.7	QBT3	—	—	—	—	—	—	7.93 (J)	0.0476 (J-)	—	—	—	—	—	—	0.00122 (J)	5.49	—
RE02-07-6674	02-600249	19.5–21.7	QBT3	—	—	—	—	—	—	—	0.0288 (J-)	—	—	—	—	—	—	0.000619 (J)	4.16	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	—	—	—	—	0.575 (U)	—	—	—	—	—	—	—	—	8.68	0.00143 (J)	13.2	79.9
RE02-07-1048	02-600250	0.5–1.2	QBT3	—	2.81	83.8	—	—	—	—	0.0617 (J)	—	—	—	—	—	3.3	0.00203 (J)	10.1	—
RE02-07-1044	02-600250	4.5–6.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.05	0.000825 (J)	0.571 (J)	—
RE02-07-1045	02-600250	9.5–13.4	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	0.963 (J)	0.000895 (J)	0.582 (J)	—
RE02-07-1046	02-600250	14.5–17.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	0.00101 (J)	0.589 (J)	—
RE02-07-1047	02-600250	19.5–21.7	QBT3	—	—	—	—	—	—	—	0.0514 (J)	—	—	—	—	—	—	0.000704 (J)	0.942 (J)	—
RE02-07-1049	02-600251	0.0–0.6	ALLH	—	—	—	—	0.523 (U)	—	—	—	—	1.4	—	—	—	2.5	0.000772 (J)	11.3	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	—	—	52.6 (J+)	—	—	—	9.51	—	—	—	14.3	—	—	—	0.00109 (J)	10.9	—
RE02-07-1050	02-600251	4.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.002 (J)	6.52	—
RE02-07-1051	02-600251	9.5–14.5	QBT3	—	—	—	—	—	—	7.83	—	4.77	—	—	—	—	—	0.00296	11.2	—
RE02-07-1052	02-600251	14.5–18.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.86	—
RE02-07-1053	02-600251	19.5–23.5	QBT3	—	—	—	—	—	—	—	0.057 (J)	—	—	—	—	—	—	0.000636 (J)	5	—
RE02-07-1055	02-600252	0.0–0.8	ALLH	—	—	—	—	0.586 (U)	—	—	—	—	—	—	—	—	—	—	12.6	—
RE02-07-1060	02-600252	0.8–1.5	QBT3	8610	2.9	63.9	—	—	—	—	0.0437 (J)	—	—	—	1980 (J+)	9.86 (J-)	—	0.001 (J)	12.9	—
RE02-07-1056	02-600252	4.5–6.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00348	7.37	—
RE02-07-1057	02-600252	9.5–11.7	QBT3	—	—	—	—	—	—	—	0.0424 (J)	—	—	—	—	—	—	—	1.48 (U)	—
RE02-07-1058	02-600252	14.5–18.2	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.854 (J)	—
RE02-07-1059	02-600252	19.5–21.5	QBT3	—	—	—	—	—	—	—	0.0329 (J)	—	—	—	—	—	—	0.001 (J)	1.48 (U)	—
RE02-07-1061	02-600253	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	0.0561 (J)	—	—	24.1	—	—	1.17	0.00223	10.6	—
RE02-07-1066	02-600253	2.0–3.0	QBT3	—	—	80.1	—	—	—	—	—	—	—	28.5	—	—	—	0.00189 (J)	9.18	—
RE02-07-1062	02-600253	4.5–6.7	QBT3	—	—	—	—	—	—	12.6 (U)	0.0398 (J)	4.67	—	35.3	—	—	—	0.00814	6.19	—
RE02-07-1063	02-600253	9.5–11.7	QBT3	9460 (J+)	4.34	132	2.33	—	2790	7.97 (U)	—	7.15	—	116	2090	10.1	0.802 (J)	0.0147	10.1	—
RE02-07-1064	02-600253	14.5–16.7	QBT3	—	—	—	—	—	—	12.2 (U)	0.038 (J)	—	—	21.9	—	—	—	0.000778 (J)	5.43	—
RE02-07-1065	02-600253	19.5–21.7	QBT3	—	—	—	—	—	—	9.02 (U)	—	—	—	13	—	—	—	—	4.02	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	—	—	—	—	0.57 (U)	—	—	—	—	—	—	—	—	—	0.000917 (J)	—	—
RE02-07-1072	02-600254	1.6–2.5	QBT3	—	—	—	—	—	—	13 (U)	0.034 (J)	—	—	—	—	—	—	0.00131 (J)	1.57 (U)	—
RE02-07-1068	02-600254	4.5–7.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000881 (J)	0.598 (J)	—
RE02-07-1069	02-600254	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	2.89	—	—	—	—	—	1.5 (U)	—
RE02-07-1070	02-600254	14.5–16.7	QBT3	—	—	—	—	—	—	—	0.0605 (J)	—	—	—	—	—	—	0.00149 (J)	1.48 (U)	—
RE02-07-1071	02-600254	19.5–21.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5 (U)	—
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	—	—	—	—	—	—	7.04	—	9.8	48.9

Table 2.13-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH BV[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.38	—	7.3	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000549 (J)	8.44	—
RE02-07-1075	02-600255	9.5–14.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000991 (J)	5.33	—
RE02-07-1076	02-600255	14.5–19.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.47	—
RE02-07-1077	02-600255	19.5–23.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000571 (J)	6.52	—
RE02-07-1079	02-600256	0.0–0.5	ALLH	—	—	—	—	0.582 (U)	—	—	—	—	—	—	—	—	—	—	13	—
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	3.32	223 (J+)	—	—	5110 (J)	9.68	—	—	—	—	1760 (J+)	7.95	—	0.00212 (J)	11.3	—
RE02-07-1080	02-600256	4.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00208	6.62	—
RE02-07-1081	02-600256	9.5–13.5	QBT3	—	—	—	—	—	—	9.94	—	—	—	—	—	—	—	0.00111 (J)	7.33	—
RE02-07-1082	02-600256	14.5–18.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0012 (J)	6.73	—
RE02-07-1083	02-600256	19.5–23.5	QBT3	—	—	—	—	—	—	—	0.03 (J)	—	—	—	—	—	—	0.00134 (J)	5.52	—
RE02-07-1085	02-600257	0.0–0.8	ALLH	—	—	395	—	0.573 (U)	—	—	0.0604 (J)	—	—	37.2	—	—	—	—	12.3	—
RE02-07-1090	02-600257	0.8–2.1	QBT3	—	—	—	—	—	—	—	—	—	—	42.1	—	—	—	—	5.96	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	—	—	—	—	—	—	—	—	—	—	59.8	—	—	—	0.00234	5.27	—
RE02-07-1087	02-600257	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	—	55.7	—	—	—	0.000926 (J)	5.61	—
RE02-07-1088	02-600257	14.5–16.7	QBT3	—	—	—	—	—	—	—	—	—	—	27.8	—	—	—	0.000876 (J)	4.88	—
RE02-07-1089	02-600257	19.5–21.7	QBT3	—	—	—	—	—	—	—	—	—	—	32.4	—	—	—	0.00138 (J)	5.48	—
RE02-07-1091	02-600258	0.0–0.5	ALLH	—	—	—	—	0.596 (U)	—	—	0.0279 (J)	—	—	—	—	—	—	—	8.89	—
RE02-07-1096	02-600258	0.8–2.0	QBT3	—	3.16	75.1	—	—	2330 (J+)	—	0.0381 (J)	—	—	—	—	7.74	—	—	13	—
RE02-07-1092	02-600258	4.5–7.5	QBT3	—	—	—	—	—	—	—	0.072 (J)	—	—	—	—	—	—	0.00136 (J)	0.883 (J)	—
RE02-07-1093	02-600258	9.5–11.7	QBT3	—	—	—	—	—	—	—	0.0427 (J)	—	—	—	—	—	—	0.000622 (J)	1.52 (U)	—
RE02-07-1094	02-600258	14.5–16.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00156 (J)	0.577 (J)	—
RE02-07-1095	02-600258	19.5–21.7	QBT3	—	—	49.9 (J-)	—	—	—	—	0.41	—	1.62	—	—	—	—	—	1.03 (J)	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.13-2
Summary of Organic Chemicals Detected at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1242	Aroclor-1254	Aroclor-1260	Dichlorobenzene[1,4-]	Toluene	Trichloroethene
Industrial SSLs[a]				**8.26**	**8.26**	**8.26**	**103**	**252**	**1.56**
RE02-07-1037	02-600249	0.0–0.5	ALLH	—[b]	0.011	—	—	NA[c]	NA
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	0.0019 (J)	—	—	—	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	—	0.0057	0.0028 (J)	—	NA	NA
RE02-07-1048	02-600250	0.5–1.2	QBT3	0.0028 (J)	0.0034 (J)	0.0018 (J)	—	—	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	—	—	—	0.000215 (J)	—	0.000313 (J)
RE02-07-1058	02-600252	14.5–18.2	QBT3	0.009	0.0053	0.0017 (J)	—	—	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	—	0.0037 (J)	—	—	NA	NA
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	0.0019 (J-)	0.0016 (J-)	—	NA	NA
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	—	0.000328 (J)	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	—	—	0.000275 (J)
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	—	—	—	—	0.000276 (J)
RE02-07-1090	02-600257	0.8–2.1	QBT3	0.0042 (J-)	0.002 (J-)	—	—	—	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	0.0043 (J)	0.0023 (J)	—	—	—	—
RE02-07-1091	02-600258	0.0–0.5	ALLH	—	0.0042	—	—	NA	NA

Note: All values in mg/kg.

[a] All values from NMED (2006, 092513) unless otherwise noted.

[b] — = Analyte not detected.

[c] NA = Not analyzed.

Table 2.13-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**0.09**
ALLH BV/FV[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-03-51142	02-22052	1.0–1.5	ALLH	0.776	—[e]	0.0861	1.39858	—
RE02-03-51168	02-22052	2.5–3.0	ALLH	0.354	—	0.183	—	—
RE02-03-51144	02-22053	1.0–1.5	ALLH	3.58	—	0.111	6.35942	—
RE02-03-51170	02-22053	2.5–3.0	ALLH	2.24	—	0.12	15.6263	—
RE02-03-51146	02-22054	1.0–1.5	ALLH	5.01	—	0.0534	6.18184	—
RE02-03-51172	02-22054	2.5–3.0	ALLH	0.418	—	—	14.5839	—
RE02-03-51148	02-22055	10.0–10.5	QBT3	9.63	—	0.515	4.71	—
RE02-03-51174	02-22055	11.5–12.0	QBT3	45.4	—	0.713	6.3	—
RE02-03-51150	02-22056	10.0–10.5	QBT3	11.4	—	0.311	20.4029	—
RE02-03-51176	02-22056	11.5–12.0	QBT3	8.39	—	0.394	26.6	—
RE02-03-51152	02-22057	10.0–10.5	QBT3	22.5	—	1.17	18.5	—
RE02-03-51178	02-22057	11.5–12.0	QBT3	1.06	—	—	33.8	—
RE02-03-51154	02-22058	10.0–10.5	QBT3	1.49	—	—	22.235	—
RE02-03-51180	02-22058	11.5–12.0	QBT3	4.35	—	0.221	13.7	—
RE02-03-51156	02-22059	6.0–6.5	QBT3	1.58	—	—	12.1337	—
RE02-03-51182	02-22059	7.5–8.0	QBT3	0.149	—	—	10.9811	—
RE02-07-1025	02-600247	0.0–0.5	ALLH	14.4	—	—	0.512048	—
RE02-07-1030	02-600247	0.8–1.6	QBT3	0.363	—	—	0.850043	—
RE02-07-1026	02-600247	4.5–6.6	QBT3	0.872	—	0.271	5.02181	—
RE02-07-1028	02-600247	14.5–17.0	QBT3	—	—	—	—	0.104
RE02-07-1029	02-600247	19.5–22.0	QBT3	—	—	—	39.7566	—
RE02-07-1031	02-600248	0.0–0.5	ALLH	29.8	—	2.69	0.778652	—
RE02-07-1036	02-600248	1.0–1.9	QBT3	1.82	—	0.219	4.05451	—
RE02-07-1032	02-600248	4.5–6.5	QBT3	—	—	—	23.8275	—
RE02-07-1033	02-600248	9.5–11.7	QBT3	—	—	—	1.56931	—
RE02-07-1034	02-600248	14.5–16.5	QBT3	0.736	—	0.212	18.8	—
RE02-07-1035	02-600248	19.5–21.7	QBT3	—	—	—	20.4	0.113
RE02-07-1037	02-600249	0.0–0.5	ALLH	—	—	—	1.61266	—
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	—	—	1.14866	—
RE02-07-6673	02-600249	4.5–6.7	QBT3	—	—	—	67.6118	—

Table 2.13-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**0.09**
ALLH BV/FV[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-07-6672	02-600249	9.5–11.7	QBT3	—[d]	—	—	29.5387	—
RE02-07-6671	02-600249	14.5–16.7	QBT3	—	—	—	8.17	—
RE02-07-6674	02-600249	19.5–21.7	QBT3	—	—	—	6.11	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	2.62	—	—	0.0938623	—
RE02-07-1048	02-600250	0.5–1.2	QBT3	1.84	—	—	0.190247	—
RE02-07-1044	02-600250	4.5–6.7	QBT3	—	—	—	0.76201	—
RE02-07-1046	02-600250	14.5–17.0	QBT3	—	—	0.243	12	—
RE02-07-1047	02-600250	19.5–21.7	QBT3	—	—	—	18.8	—
RE02-07-1049	02-600251	0.0–0.6	ALLH	2.43	—	—	0.13848	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	0.337	—	—	0.449984	—
RE02-07-1050	02-600251	4.5–8.5	QBT3	—	—	—	3.12516	0.0986
RE02-07-1052	02-600251	14.5–18.5	QBT3	—	—	—	5.15323	0.132
RE02-07-1053	02-600251	19.5–23.5	QBT3	—	—	—	5.43503	—
RE02-07-1051	02-600251	9.5–14.5	QBT3	—	—	—	53.6455	—
RE02-07-1055	02-600252	0.0–0.8	ALLH	19.8	—	2.28	—	—
RE02-07-1060	02-600252	0.8–1.5	QBT3	0.491	—	—	0.575857	—
RE02-07-1056	02-600252	4.5–6.5	QBT3	—	—	—	12.977	—
RE02-07-1057	02-600252	9.5–11.7	QBT3	—	—	—	5.67	—
RE02-07-1059	02-600252	19.5–21.5	QBT3	—	—	—	12.7	—
RE02-07-1061	02-600253	0.0–0.5	ALLH	7.14	—	—	1.73374	—
RE02-07-1066	02-600253	2.0–3.0	QBT3	0.658	—	—	2.79491	—
RE02-07-1062	02-600253	4.5–6.7	QBT3	—	—	—	32.6635	—
RE02-07-1063	02-600253	9.5–11.7	QBT3	—	—	—	167.677	—
RE02-07-1064	02-600253	14.5–16.7	QBT3	—	—	—	8.41	—
RE02-07-1065	02-600253	19.5–21.7	QBT3	—	—	—	4.15	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	6.2	—	—	0.689108	—
RE02-07-1072	02-600254	1.6–2.5	QBT3	—	—	—	1.83927	—
RE02-07-1068	02-600254	4.5–7.5	QBT3	—	—	—	13.5914	0.0942
RE02-07-1070	02-600254	14.5–16.7	QBT3	—	—	—	12.2	—
RE02-07-1071	02-600254	19.5–21.7	QBT3	—	—	—	—	0.104
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	0.0626	—	0.394502	—

Table 2.13-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**0.09**
ALLH BV/FV[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	0.207156	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	2.91291	—
RE02-07-1075	02-600255	9.5–14.0	QBT3	—	—	—	10.362	—
RE02-07-1076	02-600255	14.5–19.0	QBT3	—	—	—	30.3524	—
RE02-07-1077	02-600255	19.5–23.5	QBT3	—	—	—	30.0152	—
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	—	—	1.30913	—
RE02-07-1080	02-600256	4.5–8.5	QBT3	—	—	—	5.067	—
RE02-07-1081	02-600256	9.5–13.5	QBT3	—	—	—	21.6809	0.115
RE02-07-1082	02-600256	14.5–18.5	QBT3	—	—	—	11.3624	—
RE02-07-1083	02-600256	19.5–23.5	QBT3	—	—	—	31.8669	—
RE02-07-1085	02-600257	0.0–0.8	ALLH	0.125	—	—	—	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	—	—	—	1.16667	—
RE02-07-1087	02-600257	9.5–11.7	QBT3	—	—	—	4.56519	—
RE02-07-1088	02-600257	14.5–16.7	QBT3	—	—	—	4.17858	—
RE02-07-1089	02-600257	19.5–21.7	QBT3	—	—	—	5.03305	—
RE02-07-1092	02-600258	4.5–7.5	QBT3	—	—	—	0.0248608	—
RE02-07-1094	02-600258	14.5–16.7	QBT3	—	—	—	0.147696	—
RE02-07-1095	02-600258	19.5–21.7	QBT3	—	—	—	0.0403444	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.14-1
Summary of Inorganic Chemicals above BV at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**100000**
CA02-00-0157	02-01094	0.0–0.5	SED	—[e]	—	—	—	—	—	—	NA[f]	—	—
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	—	—	—	—	—	0.158 (J-)	—	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	—	—	0.531 (U)	—	—	NA	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	—	—	—	—	0.528 (U)	—	25.8	NA	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	0.566 (U)	—	29	NA	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	8190	—	1.79 (U)	—	0.595 (U)	—	12.5 (U)	NA	—	6040
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	—	0.488 (U)	—	—	NA	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	0.56 (U)	—	35.4	NA	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	11000 (J+)	—	0.849 (U)	31.5	0.583 (U)	—	4.73	NA	—	6110
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1420	02-600353	9.0–14.0	QAL	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	6270 (J+)	—	1.23 (J)	—	0.624 (U)	—	4.4	NA	—	6140
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	—	—	2	—	—	NA	—	—
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	—	0.545 (U)	—	—	NA	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-1424	02-600354	14.0–19.0	QBO	9650 (J+)	—	1.74 (U)	55.3	0.578 (U)	—	16.3 (J)	NA	—	6600
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	—	—	1.44	—	—	NA	—	—
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1429	02-600355	9.0–15.0	QBO	5480 (J+)	—	0.902 (J)	31.1	0.574 (U)	—	7.19 (J)	NA	—	6540
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	—	—	0.764	—	—	NA	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	—	0.549 (U)	11000 (J)	—	NA	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	—	—	0.56 (U)	35200 (J+)	—	NA	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	0.572 (U)	—	—	NA	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	9840 (J+)	0.508 (UJ)	1.88 (U)	26.2 (J+)	0.626 (U)	—	4.73	NA	—	6010
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	0.557 (U)	—	—	NA	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	0.57 (U)	—	—	NA	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	13200 (J+)	—	1.15 (J)	92.1 (J+)	0.624 (U)	—	7.12	NA	4.62	8630

Table 2.14-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial SSL[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**100000**
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	—	0.555 (U)	—	—	NA	—	—
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	0.566 (U)	—	39.5	NA	—	—
RE02-07-1449	02-600359	20.0–22.0	QBO	6820 (J+)	0.526 (UJ)	1.98 (U)	—	0.662 (U)	—	9.12	NA	—	8360 (J)
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	—	0.532 (U)	26100 (J+)	—	NA	—	—
RE02-07-1454	02-600360	9.0–14.0	QBO	8960	—	1.71 (U)	47.1 (J+)	0.568 (U)	—	—	NA	4.58	7330
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	—	—	0.516	—	—	NA	—	—
RE02-07-1458	02-600361	4.5–7.5	QAL	—	—	—	—	0.542 (U)	26000 (J+)	—	NA	—	—
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	0.525 (U)	—	—	NA	—	—
RE02-07-1459	02-600361	18.5–21.0	QBO	5900	—	1.82 (U)	—	0.606 (U)	—	—	NA	—	5870
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	—	—	0.406 (J)	—	—	NA	—	—
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1465	02-600362	9.0–14.0	QAL	—	—	—	—	0.566 (U)	—	—	NA	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	8760 (J+)	—	1.74 (J)	50.3	0.605 (U)	—	28.8	NA	5.42 (J)	8260 (J)
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	0.56 (U)	—	—	NA	—	—
RE02-07-1469	02-600363	18.5–20.5	QBO	6160 (J+)	0.531 (U)	0.718 (U)	—	0.663 (U)	—	11.9	NA	—	4960
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	—	0.52 (U)	—	—	NA	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	0.523 (U)	—	—	NA	—	—
RE02-07-1475	02-600364	9.5–15.0	QAL	—	—	—	—	0.601 (U)	—	—	NA	—	—
RE02-07-1474	02-600364	15.0–20.0	QBO	10500	—	0.882 (J)	—	0.591 (U)	—	8.9 (U)	NA	—	6140
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	0.528 (U)	—	—	NA	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	9420	—	1.87	59.5	0.583 (U)	—	10.5 (U)	NA	—	7030
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	—	—	0.531 (U)	13900 (J)	—	NA	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	4000 (J+)	—	0.611 (J)	26.4 (J+)	0.609 (U)	—	10.3	NA	—	7250
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	—	—	0.523 (U)	—	—	NA	—	—

Table 2.14-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
CA02-00-0157	02-01094	0.0–0.5	SED	31	—	0.84 (J-)	—	NA	—	0.4	—	—	140
CA02-00-0161	02-01251	0.0–0.5	SED	28 (J+)	—	0.54	—	NA	—	0.533	1.7	—	110 (J+)
RE02-03-51812	02-22345	3.5–4.0	ALLH	3970 (J)	—	—	—	NA	—	—	—	—	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	2.63	—	2.29	—	—	—	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	103	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	—	1.7 (U)	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	221	—	2.06 (U)	—	—	1.79 (U)	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	0.553	—	1.17	—	—	—	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	43	—	—	—	—	—	1.62 (U)	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	1.68 (U)	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	295 (J+)	—	—	—	—	1.75 (U)	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	0.503	—	1.26	0.00135 (J)	—	—	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	25.8	0.000871 (J)	1.69 (U)	—	—	—
RE02-07-1420	02-600353	9.0–14.0	QAL	—	—	0.115	—	1.14	—	—	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	251	—	—	—	—	8.55	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	0.742	—	—	0.000516 (J)	1.53 (U)	—	—	52.2
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	—	8.11	0.000601 (J)	—	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1424	02-600354	14.0–19.0	QBO	—	221	—	2.09	—	—	0.826 (J)	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	0.246	—	0.8 (J)	—	—	—	—	59.6
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	5.9	—	—	—	—	—
RE02-07-1429	02-600355	9.0–15.0	QBO	—	268	—	—	—	—	0.883 (J)	—	4.99	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	0.467	—	—	—	—	—	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	0.401	—	6.85	0.000747 (J)	—	—	—	54.6
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	0.464	—	0.826 (J)	—	1.53 (U)	—	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	0.194	—	8.25 (J-)	0.00169 (J)	—	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	201 (J+)	—	—	—	—	1.24 (J)	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	0.302	—	1.6	0.00073 (J)	—	—	—	62.7
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	0.471	—	8.37 (J-)	0.0104	1.67 (U)	—	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	—	548 (J+)	—	4.26	—	—	0.772 (J)	—	6	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	0.194	—	—	—	—	—	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	0.209	—	8.42 (J-)	—	—	—	—	84.8
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	1.13 (J-)	—	—	—	—	—

Table 2.14-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
RE02-07-1449	02-600359	20.0–22.0	QBO	—	215 (J)	—	—	—	—	0.778 (J)	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	0.722	—	1.05	—	—	—	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	—	4.12	0.0015 (J)	—	—	—	—
RE02-07-1454	02-600360	9.0–14.0	QBO	—	249 (J+)	—	2.03	—	—	0.999 (J)	—	7.24	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	0.454	—	1.58	—	—	—	—	52.3 (J+)
RE02-07-1458	02-600361	4.5–7.5	QAL	—	—	0.175	—	—	0.00232	1.58 (J)	—	—	52.4
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	1.72	—	—	—	—	—
RE02-07-1459	02-600361	18.5–21.0	QBO	—	—	—	—	—	—	0.996 (J)	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	0.53	—	1.39	—	—	—	—	55.8 (J+)
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	0.168	—	4.26 (J-)	—	1.58 (J)	—	—	—
RE02-07-1465	02-600362	9.0–14.0	QAL	—	—	0.108	—	—	—	—	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	380 (J)	—	—	—	—	1.5 (J)	—	7.66	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	1.52	—	1.38	—	—	—	—	—
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	1.26	—	1.69 (U)	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	1.68 (U)	—	—	—
RE02-07-1469	02-600363	18.5–20.5	QBO	—	217 (J+)	—	2.11	—	—	0.814 (J)	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	6.04	—	—	—	—	—	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	3.2	—	—	—	—	—
RE02-07-1475	02-600364	9.5–15.0	QAL	—	—	—	—	—	—	1.8 (U)	—	—	—
RE02-07-1474	02-600364	15.0–20.0	QBO	—	221	—	2.99 (U)	—	—	1.77 (U)	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	1.33	—	1.81	—	—	—	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	2.65 (J-)	—	—	—	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	1.99	—	—	87.6
RE02-07-1479	02-600365	17.5–20.0	QBO	—	312	—	4.46 (U)	—	—	1.21 (J)	—	7.59	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	0.619	—	—	—	—	—	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	0.193	—	8.47	0.000893 (J)	—	—	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	—	—	—	2.57	—	0.0115	1.25 (J)	—	7.79	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	0.179	—	1.55	—	0.842 (J)	—	—	—

Note: All values in mg/kg.
[a] BVs are from LANL (1998, 059730).
[b] na = Not available.
[c] All values from NMED (2006, 092513) unless otherwise noted.
[d] EPA Region 6 (2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] NA = Not analyzed.

Table 2.14-2
Summary of Organic Chemicals Detected at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**2310**
CA02-00-0157	02-01094	0.0–0.5	SED	—[c]	—	—	—	—	—	1	—	—	0.12 (J)	—	0.12 (J)	—	0.15 (J)
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	0.56	0.21 (J)	0.23 (J)	0.2 (J)	0.19 (J)	0.21 (J)	—	0.29 (J)
RE02-03-51812	02-22345	3.5–4.0	ALLH	0.0172 (J)	NA[d]	0.139	NA	NA	NA	NA	—	0.301 (J)	0.615 (J)	—	—	0.109 (J)	0.363
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	NA	—	NA	NA	NA	NA	—	—	—	—	—	0.0982 (J)	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	0.0218 (J)	NA	0.0335 (J)	—	—	—	0.0626	—	0.0978 (J)	0.141 (J)	0.0612 (J)	—	—	0.0875
RE02-07-1408	02-600351	4.5–6.9	QAL	0.0433	—	0.0775	—	—	0.0047	0.0034 (J)	0.113	0.178	0.148	—	—	—	0.0899
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	0.0088 (J)	0.0124 (J)	—	0.292	0.0465 (J)	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	—	—	—	—	—	—	0.0963	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	NA	0.0282 (J)	—	—	—	0.037	0.178	0.163	0.291	—	—	—	0.192
RE02-07-1413	02-600352	4.5–9.0	QAL	0.302	—	0.363	—	—	0.0033 (J)	—	0.454	0.558	0.703	0.259	—	—	0.492
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	0.0539	NA	0.0784	—	—	—	0.0856	0.14	0.169	0.259	0.0714	—	—	0.152
RE02-07-1418	02-600353	4.5–9.0	QAL	0.0738	—	0.117	—	—	0.012	—	0.192	0.184	0.219	0.193	0.11	—	0.205
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	0.4	NA	0.613	—	—	—	0.117	0.977	1.13	1.55	0.526	—	—	0.937
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0718	—	0.109	—	—	0.0109	0.0078	0.224	0.264 (J)	0.304 (J)	0.149 (J)	0.183 (J)	—	0.233
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	0.0287	—	—	—	—	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	0.285	NA	0.821	—	—	—	0.0347	1.4	1.51	1.75	0.446	—	—	1.3
RE02-07-1428	02-600355	4.5–9.0	QAL	0.0596	—	0.098	—	—	—	—	0.18	0.218	0.252	0.122	0.104	—	0.191
RE02-07-1432	02-600356	0.0–0.5	ALLH	0.134	NA	0.235	—	—	—	0.0992	0.415	0.53	0.822	0.204	—	—	0.474
RE02-07-1433	02-600356	4.5–9.0	QAL	0.0164 (J)	—	0.0222 (J)	—	—	0.0353 (J)	0.0195 (J)	0.0628 (J)	0.0723 (J)	0.0792 (J)	0.0445 (J)	—	—	0.073 (J)
RE02-07-1437	02-600357	0.0–0.5	ALLH	0.175	NA	0.261	—	—	—	0.0636	0.416	0.485	0.547	0.211	—	—	0.421
RE02-07-1438	02-600357	4.5–9.0	QAL	0.0325 (J)	—	0.0428	—	—	0.0245 (J)	—	0.0966	0.076 (J)	0.127 (J)	0.0996 (J)	0.0546 (J)	—	0.112
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	0.142	NA	0.231	—	—	—	0.225	0.407	0.47	0.692	0.194	—	—	0.399
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	—	0.234	0.0914	—	0.061	0.0256 (J)	—	—	—	0.0199 (J)
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	0.06	NA	0.0998	—	—	—	0.0983	0.196	0.264	0.426	0.101	—	—	0.215

Table 2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**2310**
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	0.0153 (J)	—	—	0.0498	0.0407	0.0399	—	0.0588	—	—	—	0.0345 (J)
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	0.003 (J)	0.0027 (J)	—	—	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	0.0172 (J)	NA	0.0277 (J)	—	—	—	0.11	0.0715	0.0817	0.136	—	—	—	0.0807
RE02-07-1453	02-600360	4.5–9.0	QAL	0.234	0.00434 (J)	0.422	—	—	0.0245	0.0441	0.687	0.791 (J)	0.969 (J)	0.393 (J)	0.432 (J)	—	0.718
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.0258 (J)	NA	0.038	—	—	0.0526	0.11	0.0925	0.104	0.118	0.0873	0.0583	—	0.0957
RE02-07-1458	02-600361	4.5–7.5	QAL	0.252 (J-)	—	0.449 (J-)	—	—	0.0336 (J)	0.0354 (J)	0.671 (J-)	0.768 (J)	0.924 (J)	0.37 (J)	0.462 (J)	—	0.747 (J-)
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	0.213	NA	0.0382	—	—	0.0782 (J)	0.106 (J-)	0.0985	0.118	0.144	0.0793	0.0733	—	0.106
RE02-07-1463	02-600362	4.5–9.0	QAL	0.0277 (J)	—	0.0661	—	—	0.0121	0.0059	0.151	0.157	0.188	0.0764	—	—	0.151
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	0.0151	—	0.00691	0.0031 (J)	—	—	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	0.0222 (J)	NA	0.0693	—	—	0.04	0.0631	0.295	0.241	0.284	0.138	0.154	—	0.321
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	0.0037 (J)	—	—	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	NA	0.0117 (J)	—	—	—	0.0229 (J)	—	0.066 (J)	0.101 (J)	0.0573 (J)	—	—	0.0795 (J)
RE02-07-1473	02-600364	4.5–6.5	QAL	0.023 (J)	—	—	—	—	0.0014 (J)	—	—	0.085	0.0106 (J)	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	NA	0.0185 (J)	—	—	—	0.115	—	0.0473	0.0623	0.0252 (J)	—	—	0.0415
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	—	—	0.0051	—	0.0357 (J)	0.044	0.0155 (J)	—	—	0.0283 (J)
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	0.517	NA	0.74	—	—	—	0.0655	1.15	1.36 (J)	2.1 (J)	0.462 (J)	—	—	1.11
RE02-07-1483	02-600366	4.5–9.0	QAL	0.364	—	0.518	—	—	0.0072 (J)	0.0065 (J)	0.817	0.891 (J)	1.02 (J)	0.449 (J)	—	—	0.774
RE02-07-1486	02-600367	0.0–0.5	SED	—	NA	—	—	—	—	0.0138 (J)	—	0.0696 (J)	0.107 (J)	0.0489 (J)	—	—	0.0497 (J)

Table 2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Dichlorobenzene[1,4-]	Diethylphthalate	Ethylbenzene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methyl-2-pentanone[4-]	Methylene Chloride
Industrial SSLs[b]				**68400**	**2.34**	**1620**	**103**	**100000**	**128**	**24400**	**26500**	**23.4**	**389**[e]	**7010**	**490**
CA02-00-0157	02-01094	0.0–0.5	SED	—	—	—	—	0.37 (J)	—	0.21 (J)	—	—	—	—	—
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	0.49 (J)	—	0.16 (J)	—	—	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	0.0269 (J)	—	—	NA	0.809	0.0657	—	NA	NA	NA
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	—	—	—	—	NA	0.0518	0.005 (J)	—	NA	NA	NA
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	—	—	—	NA	0.128	0.0175 (J)	0.0441 (J)	NA	NA	NA
RE02-07-1408	02-600351	4.5–6.9	QAL	—	—	—	—	—	—	0.189	0.0499	0.107	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	—	0.0626 (J)	—	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	—	—	—	—	0.0143 (J)	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	—	—	NA	0.252	—	0.0576 (J)	NA	NA	NA
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	0.184 (J)	—	—	—	1.04	0.272	0.241	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	—	—	—	NA	0.296	0.0444	0.0681	NA	NA	NA
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	—	—	0.398	0.0627	0.208	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	0.234 (J)	—	—	NA	1.94	0.362	0.501	NA	NA	NA
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0407 (J)	—	—	—	—	—	0.512	0.0594	0.129 (J)	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	0.132 (J)	—	—	NA	2.52	0.306	0.464	NA	NA	NA
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	—	—	0.328	0.0544	0.115	—	—	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	0.0704 (J)	—	—	NA	0.894	0.111	0.208	NA	NA	NA
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	—	—	—	0.136	0.0129 (J)	0.0454 (J)	—	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	0.102 (J)	—	—	NA	0.848	0.153	0.227	NA	NA	NA
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	—	—	—	—	0.263	0.0272 (J)	0.122 (J)	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	0.0858 (J)	—	—	NA	0.828	0.13	0.201	NA	NA	NA
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	—	0.000276 (J)	0.0406	—	—	—	0.01	—
RE02-07-1445	02-600358	9.0–14.0	QAL	0.155 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	—	—	—	NA	0.394	0.0561	0.107	NA	NA	NA
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	—	—	—	0.064	—	—	—	—	—
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	—	—	—	NA	0.141	0.0158 (J)	0.0367	NA	NA	NA

Table 2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Dichlorobenzene[1,4-]	Diethylphthalate	Ethylbenzene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methyl-2-pentanone[4-]	Methylene Chloride
Industrial SSLs[b]				**68400**	**2.34**	**1620**	**103**	**100000**	**128**	**24400**	**26500**	**23.4**	**389**[e]	**7010**	**490**
RE02-07-1453	02-600360	4.5–9.0	QAL	—	0.194 (J)	0.165 (J)	0.000282 (J)	—	—	1.66	0.237	0.389 (J)	0.000507 (J)	—	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.0343 (J)	—	—	—	—	NA	0.163	0.0175 (J)	0.0732	NA	NA	NA
RE02-07-1458	02-600361	4.5–7.5	QAL	—	0.188 (J)	0.178 (J-)	—	—	—	1.68 (J-)	0.243 (J-)	0.407 (J)	—	—	—
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	—	—	—	NA	0.193	0.0205 (J)	0.0764	NA	NA	NA
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	—	—	—	0.263	0.0281 (J)	0.0712	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	0.0356 (J)	—	—	—	—	NA	0.481	0.016 (J)	0.109	NA	NA	NA
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	—	—	NA	0.077	—	0.0361 (J)	NA	NA	NA
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	—	—	—	NA	0.0643	—	0.0131 (J)	NA	NA	NA
RE02-07-1478	02-600365	4.5–7.0	QAL	0.0379 (J)	—	—	—	—	—	0.0459	—	—	—	—	0.003 (J)
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	—	—	—	—	—	0.00265 (J)
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00294 (J)
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	0.329 (J)	—	—	NA	2.21	0.465	0.468 (J)	NA	NA	NA
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	0.244 (J)	—	—	—	1.82	0.342	0.444 (J)	—	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	—	—	—	NA	0.0629	—	0.0346 (J)	NA	NA	NA

Table 2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**300**[f]	**300**	**20500**	**30900**	**100**	**252**	**200**[g]	**1.56**	**213**	**69.2**	**99.5**	**82**
CA02-00-0157	02-01094	0.0–0.5	SED	—	—	—	0.2 (J)	—	—	NA	—	—	—	NA	NA
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	0.26 (J)	0.45 (J)	—	—	NA	—	—	—	NA	NA
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	0.693	0.812	NA	NA	NA	NA	NA	NA	NA	NA
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	—	0.0391	0.0422	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1407	02-600351	0.0–0.5	ALLH	0.0106 (J)	0.0237 (J)	0.131	0.179	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1408	02-600351	4.5–6.9	QAL	0.0277 (J)	0.0788	0.243	0.206	—	—	NA	—	—	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	0.0565 (J)	0.0525 (J)	—	—	NA	—	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	0.0141 (J)	—	—	—	NA	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	0.109	0.362	NA	NA	66.7	NA	NA	NA	NA	NA
RE02-07-1413	02-600352	4.5–9.0	QAL	0.22	0.585	1.25	1.19	—	—	9.01	—	—	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	5.1 (J)	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	1.99 (J)	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	0.027 (J)	0.0711	0.269	0.3	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1418	02-600353	4.5–9.0	QAL	0.041	0.104	0.417	0.363	—	—	NA	—	—	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	0.218	0.566	1.89	1.88	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0345 (J)	0.0804	0.354	0.467	—	—	NA	—	—	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	0.05	0.0919	1.96	2.9	NA	NA	29.5	NA	NA	NA	NA	NA
RE02-07-1428	02-600355	4.5–9.0	QAL	0.0348 (J)	0.0795	0.339	0.351	—	—	12.5 (J)	—	—	—	—	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	0.0582	0.116	0.784	1.02	NA	NA	18.9	NA	NA	NA	NA	NA
RE02-07-1433	02-600356	4.5–9.0	QAL	0.0074 (J)	0.0133 (J)	0.0843	0.149 (J)	—	—	20.7 (J)	—	—	—	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	0.104	0.294	0.857	0.938	NA	NA	29.7	NA	NA	NA	NA	NA
RE02-07-1438	02-600357	4.5–9.0	QAL	0.0199 (J)	0.0687	0.171	0.244	—	—	29.9 (J)	—	—	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	9.35 (J)	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	1.65 (J)	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	0.0747	0.155	0.79	0.86	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	0.0296 (J)	0.0387	—	—	NA	—	—	—	0.000493 (J)	0.000469 (J)
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	0.0354	0.0742	0.349	0.361	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1448	02-600359	4.5–9.0	QAL	—	0.013 (J)	0.056	0.0603	—	—	NA	—	—	—	—	—

Table 2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**300**[f]	**300**	**20500**	**30900**	**100**	**252**	**200**[g]	**1.56**	**213**	**69.2**	**99.5**	**82**
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	0.0078 (J)	0.0177 (J)	0.108	0.158	NA	NA	12.2 (J)	NA	NA	NA	NA	NA
RE02-07-1453	02-600360	4.5–9.0	QAL	0.139	0.286	1.36	1.41	0.00023 (J)	—	46.8	—	0.000293 (J)	0.000234 (J)	—	0.000305 (J)
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.00892 (J)	0.0175 (J)	0.137	0.188	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1458	02-600361	4.5–7.5	QAL	0.151 (J-)	0.416 (J-)	1.36 (J-)	1.53 (J-)	—	—	NA	—	0.000494 (J)	0.000232 (J)	—	0.000451 (J)
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	0.00992 (J)	0.0188 (J)	0.152	0.218	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1463	02-600362	4.5–9.0	QAL	0.0166 (J)	0.0367 (J)	0.216	0.243	—	—	NA	—	—	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	0.233	0.78	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	0.0477	0.122 (J)	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	—	0.000433 (J)	NA	0.000265 (J)	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	0.0128 (J)	0.06	0.0759	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	0.0258 (J)	0.0432	—	—	NA	—	—	—	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	0.33	0.799	2.39	2.67	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1483	02-600366	4.5–9.0	QAL	0.267	0.72	1.81	1.55	—	—	NA	—	—	—	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	0.0382	0.0845 (J)	NA	NA	NA	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

[g] Value from NMED (2006, 094614).

Table 2.14-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**4**	**0.18**
SED BV/FV[b]				**0.9**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**1500**	**87**
CA02-00-0157	02-01094	0.0–0.5	SED	—[e]	1.91	—	0.277	7.87	0.278 (J-)
CA02-00-0161	02-01251	0.0–0.5	SED	—	2.11	—	—	NA[f]	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	1.83	—	0.949	0.156	—	—
RE02-03-51813	02-22345	5.0–5.5	ALLH	0.169	—	1.29	0.0773	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	0.632	—	0.653	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	0.214	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	0.00558228	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	—	0.174622	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	0.0580188	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	0.533933	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	—	0.0099814	—	—
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	0.482857	—	—
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	0.219756	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	0.306667	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	—	0.00564891	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	0.197	—	—	0.536697	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	0.0725337	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	—	0.00642603	—	—
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	2.46369	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	0.061993	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	—	—	—	0.152202	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	0.150582	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	0.0949114	—	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	—	0.00576766	—	—
RE02-07-1458	02-600361	4.5–7.5	QAL	0.308	—	—	0.209768	—	—
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	0.285075	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	—	0.00535299	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	0.0371	—	—	—	—

Table 2.14-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**4**	**0.18**
SED BV/FV[b]				**0.9**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**1500**	**87**
RE02-07-1469	02-600363	18.5–20.5	QBO	—	—	—	—	—	0.218
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	0.0073817	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	0.158302	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	0.0897425	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	0.117	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	0.0968	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	—	0.00350391	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	—	0.331111	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	0.0325006	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	—	—	—	0.0639426	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	0.146	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

[f] NA = Not analyzed.

Table 2.15-1
Summary of Inorganic Chemicals above BV at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/Q AL BV[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLS [c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**100000**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
RE02-07-2618	02-600585	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	—	—	0.362	—	2.33 (J-)	—	—	—	54.4
RE02-07-2619	02-600585	4.5–9.0	QAL	—	—	—	0.539 (U)	—	—	—	—	—	—	0.132	—	6.52	0.00132 (J)	—	—	—
RE02-07-2621	02-600585	9.0–14.0	QAL	—	—	—	0.569 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2622	02-600586	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.378	—	2.23 (J-)	—	—	—	59.7
RE02-07-2623	02-600586	4.5–9.0	QAL	—	—	—	0.572 (U)	—	—	—	—	—	—	—	—	6.67	0.00162 (J)	—	—	—
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	0.554 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2624	02-600586	14.0–19.0	QBO	7760	1.94 (U)	56.9	0.567 (U)	—	15.6	—	—	7440	287	—	2.14	—	—	0.678 (J)	6.39	—
RE02-07-2626	02-600587	0.0–0.5	ALLH	—	—	—	0.515 (U)	9020 (J+)	—	—	15	—	—	1.36 (J)	—	1.12	—	—	—	53.4
RE02-07-2628	02-600587	12.5–18.0	QBO	10300	1.96	51.5	0.61 (U)	—	28.6	0.313	6.27 (U)	6510 (J-)	299	—	4.18	—	—	1.43 (J)	—	—
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	1.08 (J)	—	1.29 (J-)	—	1.56 (U)	—	57.3
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	0.53 (U)	—	25.4	0.0845 (J)	—	—	—	—	—	1.71	—	1.59 (U)	—	—
RE02-07-2633	02-600588	11.5–13.0	QAL	—	—	—	0.578 (U)	—	27.1	0.365	—	—	—	—	—	—	—	—	—	—
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	—	—	0.0733 (J)	—	—	—	0.183	—	—	—	—	—	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	0.53 (U)	—	45.7	0.214	—	—	—	—	—	1.29	—	—	—	—
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	0.554 (U)	—	—	0.0964 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.369	—	3.59 (J+)	—	—	—	—
RE02-07-2639	02-600590	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6 (U)	—	—
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	—	—	40.3	—	—	—	—	—	—	1.26 (J-)	—	—	—	—
RE02-07-2640	02-600590	14.5–16.9	QBO	10200	2.35	39.4	—	—	105	—	4.08	6840	264	—	22.4	—	—	1.75 (U)	—	—
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	—	—	0.499 (U)	—	—	—	—	—	—	0.208 (J)	—	—	0.00242	—	—	—
RE02-07-2643	02-600591	4.5–9.0	QAL	—	—	—	0.527 (U)	—	—	0.0302 (J)	—	—	—	—	—	—	—	2.3	—	—
RE02-07-2644	02-600591	14.0–19.0	QBO	12700	1.52 (J)	38.1 (U)	0.596 (U)	—	6.5 (U)	0.0663 (J)	—	5880	199 (U)	—	2.04 (U)	—	—	1.84	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730.)

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.15-2
Summary of Organic Chemicals Detected at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**
RE02-07-2618	02-600585	0.0–0.5	ALLH	0.0566	0.0992	—[c]	—	0.104	0.203	0.238	0.333	0.142	—	0.226
RE02-07-2619	02-600585	4.5–9.0	QAL	0.0241 (J)	0.0391	0.0128 (J)	0.0166 (J)	0.0212	0.113	0.101	0.162	0.0479	—	0.107
RE02-07-2622	02-600586	0.0–0.5	ALLH	0.0245 (J)	0.0359 (J)	—	0.0316 (J)	0.0351 (J)	0.108	0.123	0.181	0.0804	—	0.12
RE02-07-2623	02-600586	4.5–9.0	QAL	—	0.00951 (J)	—	—	—	0.0275 (J)	0.0211 (J)	0.0219 (J)	0.0115 (J)	—	0.0191 (J)
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	—	0.0013 (J)	—	—	—	—	—	—
RE02-07-2626	02-600587	0.0–0.5	ALLH	0.0321 (J)	0.049	—	0.118	0.169	0.213	—	0.365 (J)	—	—	0.212
RE02-07-2628	02-600587	12.5–18.0	QBO	—	—	—	0.00394 (J)	0.0061	—	—	—	—	—	—
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	0.011 (J)	—	0.0412	0.041	—	—	0.0439	—	—	0.0288 (J)
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	—	0.0026 (J-)	—	—	—	—	—	—
RE02-07-2633	02-600588	11.5–13.0	QAL	—	—	—	0.0067 (J)	0.0046 (J)	—	—	—	—	—	—
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	0.0241 (J)	—	—	—	—	—	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	—	0.0034 (J)	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	—	—	—	0.019 (J)	—	0.0885	0.0209 (J)	0.0349 (J)	—	0.0175 (J)
RE02-07-2639	02-600590	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	—	0.0014 (J)	—	—	—	—	—	—
RE02-07-2640	02-600590	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	—	—	—	0.0242 (J)	—	—	0.112 (J)	—	0.0428 (J)	0.0665
RE02-07-2643	02-600591	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2644	02-600591	14.0–19.0	QBO	—	—	—	—	0.0017 (J)	—	—	—	—	—	—

Table 2.15-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics
Industrial SSLs[b]				**68400**	**24400**	**26500**	**23.4**	**490**	**300[d]**	**300**	**20500**	**30900**	**252**	**200[e]**
RE02-07-2618	02-600585	0.0–0.5	ALLH	—	0.398	0.0482	0.132	NA[f]	0.0259 (J)	0.054	0.333	0.357	NA	NA
RE02-07-2619	02-600585	4.5–9.0	QAL	—	0.219	0.0202 (J)	0.046	—	0.011 (J)	0.0295 (J)	0.144	0.205	—	NA
RE02-07-2622	02-600586	0.0–0.5	ALLH	—	0.194	0.0203 (J)	0.0718	NA	0.0101 (J)	0.0197 (J)	0.156	0.182	NA	NA
RE02-07-2623	02-600586	4.5–9.0	QAL	—	0.0396	—	—	—	—	—	0.0306 (J)	0.0333 (J)	—	NA
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	NA
RE02-07-2626	02-600587	0.0–0.5	ALLH	—	0.347	0.0241 (J)	—	NA	0.00717 (J)	0.0114 (J)	0.233	0.557	NA	NA
RE02-07-2628	02-600587	12.5–18.0	QBO	—	0.0154 (J)	—	—	0.00272 (J)	—	—	—	—	—	NA
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	0.0523	—	—	NA	—	—	0.0415	0.0604	NA	13.9 (J)
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	0.00037 (J)	—
RE02-07-2633	02-600588	11.5–13.0	QAL	0.121 (J)	—	—	—	—	—	—	—	—	—	3.95 (J)
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	NA	—	—	—	0.0227 (J)	NA	3.93
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	1.39 (J)
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	—	0.0023 (J)	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	0.0366	—	—	NA	—	—	0.0235 (J)	0.0364	NA	NA
RE02-07-2639	02-600590	4.5–7.2	QAL	0.0451 (J)	0.0129 (J)	—	—	—	—	—	—	0.0124 (J)	—	NA
RE02-07-2641	02-600590	9.5–11.7	QAL	0.0509 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2640	02-600590	14.5–16.9	QBO	0.0509 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	0.0799	—	—	NA	—	—	0.0213 (J)	0.0986	NA	NA
RE02-07-2643	02-600591	4.5–9.0	QAL	0.0522 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2644	02-600591	14.0–19.0	QBO	0.0823 (J)	—	—	—	—	—	—	—	—	—	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

[e] Value from NMED (2006, 094614).

[f] NA = Not analyzed.

Table 2.15-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**
RE02-07-2619	02-600585	4.5–9.0	QAL	—[e]	—	—	0.413378
RE02-07-2621	02-600585	9.0–14.0	QAL	—	—	—	0.0436009
RE02-07-2623	02-600586	4.5–9.0	QAL	—	—	—	0.505982
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	—	—	0.0162282
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	0.0496574 (J-)
RE02-07-2634	02-600589	0.0–0.5	ALLH	4.95	—	1.76	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	0.222	0.0279391 (J-)
RE02-07-2638	02-600590	0.0–0.5	ALLH	16.9	0.112	3.86	—
RE02-07-2639	02-600590	4.5–7.2	QAL	10.2	—	2.76	0.0166
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	0.0234916

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.17-1
Summary of Inorganic Chemicals above BV at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**
CA02-00-0155	02-01095	0.0–0.5	SED	—[e]	—	—	—	—	—	14	NA[f]	12 (J-)	—
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	—	—	NA	12 (J-)	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—
RE02-03-51834	02-22356	9.0–9.5	ALLH	—	—	—	—	—	—	—	0.558 (J-)	—	—
RE02-03-51835	02-22356	10.5–11.0	ALLH	—	—	—	—	—	—	—	0.0712 (J-)	—	—
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	—	—	—	0.542 (U)	—	—	0.0907 (J-)	—	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	—	—	—	—	—	—	—	0.113 (J-)	—	—
RE02-03-51839	02-22358	6.5–7.0	ALLH	—	—	—	—	0.515 (U)	—	—	0.0787 (J-)	—	—
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	0.539 (U)	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—
RE02-07-1221	02-600282	13.0–18.0	QBO	11400	0.522 (UJ)	1.84 (J)	26.4	0.649 (U)	—	25 (J)	—	—	5980 (J)
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	48.2	—	—	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	—	0.521 (U)	—	52.6	—	—	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	0.464 (J)	—	43.8	1.01	—	—
RE02-07-1225	02-600283	11.8–15.5	QBO	5150	—	1.2 (J)	—	0.533 (U)	—	10.5	0.212	—	5520
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	0.539 (U)	21000 (J)	—	0.305	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	0.533 (U)	—	—	0.0361 (J)	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	13800	0.53 (UJ)	0.772 (J)	35.8	0.66 (U)	—	7.8	0.0344 (J)	—	7020
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	0.0984 (J)	—	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	—	0.438 (J)	31600	59.1	0.174	16	—
RE02-07-1236	02-600285	14.0–17.0	QBO	7600	0.514 (U)	1.87 (J)	55.6	0.629 (U)	—	30.7	—	3.97	6400
RE02-07-1235	02-600285	21.0–25.0	QBO	4790	—	1.81 (U)	—	0.602 (U)	—	3.48	—	—	5070
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	—	—	—
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	—	—	—	—	—	0.133	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	—	—	—	8570	—	—	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	0.554 (U)	—	—	—	—	—

Table 2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**
RE02-07-1241	02-600286	18.8–19.5	QBO	6180	—	0.937 (J)	—	0.605 (U)	—	8.99	—	—	6310
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	—	—	0.502 (U)	—	—	—	—	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	—	—	0.548 (U)	26500 (J+)	20.1	0.57	—	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	0.542 (U)	14400 (J+)	—	0.102 (J)	—	—
RE02-07-1245	02-600287	14.2–17.0	QBO	18200	0.517 (UJ)	0.984 (J)	102 (J+)	0.646 (U)	—	3.1	—	—	7080
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	0.0855 (J)	—	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	0.538 (U)	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	0.539 (U)	—	25	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	12600	—	1.78 (U)	26.4	0.595 (U)	—	10.3	—	—	6430
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	—	—	0.508 (U)	—	—	0.117	—	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	—	0.525 (U)	—	—	—	—	—
RE02-07-1255	02-600289	10.0–14.5	QBO	8520	—	1.74	30.8 (J-)	0.581 (U)	—	14.1	0.114 (J)	4.78	7820
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	—	—	0.551 (U)	—	—	—	—	—
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	—	—	0.52 (U)	—	—	—	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	0.542 (U)	—	—	0.0558 (J)	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	13500	0.526 (UJ)	1.55 (J)	43	0.648 (U)	—	14.1 (J)	—	—	8910 (J)
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	—	—	0.526 (U)	—	—	—	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	—	0.532 (U)	—	—	—	—	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	2.7	—	0.528 (U)	—	13.5	0.252	5.23	8810
RE02-07-1265	02-600291	11.0–16.0	QBO	22800	0.52 (UJ)	1.75 (J)	113	0.667 (U)	—	10.1	—	4.09	8550
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—

Table 2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
CA02-00-0155	02-01095	0.0–0.5	SED	110	—	0.43 (J-)	—	NA	—	—	—	—	320
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	3.4 (J-)	—	NA	—	—	—	—	110
CA02-00-0162	02-01250	0.0–0.5	SED	27 (J+)	—	0.45	—	NA	—	0.489	1.4	—	82 (J+)
RE02-03-51834	02-22356	9.0–9.5	ALLH	—	—	5.03 (J)	—	NA	NA	—	—	—	60.8
RE02-03-51835	02-22356	10.5–11.0	ALLH	—	—	17.2 (J)	—	NA	NA	—	—	—	68
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	0.179 (J)	—	NA	NA	—	—	—	—
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	—	0.191 (J)	—	NA	NA	—	—	—	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	—	—	0.684 (J)	—	NA	NA	—	—	—	—
RE02-03-51839	02-22358	6.5–7.0	ALLH	—	—	—	—	NA	NA	—	—	—	—
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	2.97 (J-)	—	—	—	—	—	—	—
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	0.221	—	1.07	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	1.87	—	—	—	—	—	—	—
RE02-07-1221	02-600282	13.0–18.0	QBO	—	275 (J)	—	5.67	—	—	1.95 (U)	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	4.34 (J-)	—	—	—	—	—	—	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	—	1.19	—	1.56 (U)	—	—	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	1.34	—	1.87 (U)	—	—	—
RE02-07-1225	02-600283	11.8–15.5	QBO	—	—	—	4.28 (J)	1.36	—	1.6 (U)	—	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	1.43 (J-)	—	6.94	0.000559 (J)	1.58 (U)	—	—	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	3.53	—	1.62 (U)	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	4.18	—	1.6 (U)	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	340	—	—	—	—	1.98 (U)	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	0.417	—	1.52	—	2.04 (U)	—	—	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	24.4 (J)	4.23	—	1.66 (U)	—	—	50.5
RE02-07-1236	02-600285	14.0–17.0	QBO	—	400	0.137 (J-)	5.78 (J+)	—	—	0.9 (J)	—	4.62	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	—	—	1.01 (J)	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	0.257	—	—	—	—	—	—	54.1
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	1.08	—	6.81	—	1.6 (U)	—	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	4.36 (J-)	—	1.11	—	1.58 (U)	—	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	0.139 (J-)	—	—	—	—	—	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	213	—	—	1.36	—	1.81 (U)	—	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	0.514 (J-)	—	1.22	—	—	—	—	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	0.36	—	1.58	—	1.64 (U)	—	—	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	1.78	—	—	—	—	—

Table 2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-07-1245	02-600287	14.2–17.0	QBO	—	228	—	2.2	1.53	—	1.94 (U)	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	1.74	—	1.83	0.000701 (J)	—	—	—	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	1.77	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	—	—	1.62 (U)	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	241	—	2.89	—	—	1.78 (U)	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	1.87	—	1.48	—	—	—	—	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	—	2.08	0.000658 (J-)	—	—	—	—
RE02-07-1255	02-600289	10.0–14.5	QBO	—	288	—	4.07 (J)	—	—	1.31 (J)	—	6.41	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	3.51 (J-)	—	5.63	0.000575 (J)	—	—	—	49.5
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	0.763	—	—	—	—	—	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	2.16	—	1.63 (U)	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	333 (J)	—	4.03	—	—	1.94 (U)	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	1.09	—	—	0.000677 (J)	1.53 (U)	—	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	—	1.36	—	—	—	—	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	0.346	4.3	—	—	1.45 (J)	—	15.4	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	396	—	4.3	—	—	1.29 (J)	—	4.61	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.168 (J-)	—	4.95	0.000863 (J)	—	—	—	99.6

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.17-2
Summary of Organic Chemicals Detected at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
CA02-00-0155	02-01095	0.0–0.5	SED	—[c]	—	—	—	1.3	—	0.11 (J)	0.11 (J)	0.095 (J)	—	0.12 (J)	—	—	0.13 (J)
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	0.14	—	—	—	—	—	—	—	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	NA[d]	NA	NA	NA	0.59 (J)	0.62 (J)	0.52 (J)	0.42 (J)	0.56 (J)	—	NA	0.83 (J)
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	0.015 (J)	—	—	0.0339 (J)	0.0426	—	0.0935 (J)	0.141 (J)	0.0594 (J)	—	—	NA	0.112
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	0.0117	0.0115	—	—	—	—	—	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	0.0108 (J)	—	—	—	0.0198 (J)	—	0.0554	0.0717	0.0351	—	—	NA	0.0496
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	—	0.0057	—	—	—	—	—	—	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	0.0492	0.0391	—	—	0.0228 (J)	0.0257 (J)	0.153	0.157 (J)	0.257 (J)	0.101 (J)	—	0.0822 (J)	NA	0.172
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	0.0327	0.0122	—	—	—	—	—	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	0.0043	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	0.0163 (J)	—	—	0.0467	0.115	0.0453	—	0.0594 (J)	—	—	—	NA	0.0369
RE02-07-1234	02-600285	4.5–5.0	QAL	0.172	0.278	—	—	—	0.016 (J)	0.312	0.337 (J)	0.509 (J)	0.195 (J)	—	—	—	0.313
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	0.149	0.155	—	—	—	—	—	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	0.24	0.439	—	—	—	0.0178 (J)	0.637	—	1.34 (J)	0.411 (J)	—	—	NA	0.645
RE02-07-1239	02-600286	3.0–5.0	ALLH	0.0603	0.0873	—	—	—	0.0188 (J)	—	0.143 (J)	0.205 (J)	0.0781 (J)	—	—	0.000279 (J)	0.118
RE02-07-1240	02-600286	9.5–10.0	QAL	0.0142 (J)	0.0207 (J)	—	—	—	—	—	0.0549	0.0743	0.0229 (J)	—	—	—	0.0591
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.134 (J)	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.087 (J)	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	0.00794 (J)	—	—	—	—	—	0.0292 (J)	0.0387 (J)	—	—	—	NA	0.0307 (J)
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	0.0101 (J)	—	—	0.0146	0.0054 (J)	0.0464	—	0.0851 (J)	—	—	—	—	0.0402
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	0.0337 (J)	0.128	0.0627 (J)	—	0.0409 (J)	0.0313 (J)	0.56	0.39 (J)	0.702 (J)	—	—	—	NA	0.54
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	0.0022 (J)	0.0072	—	—	—	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	0.0036 (J)	0.0035 (J)	0.0054	—	—	—	—	—	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	—	—	—	0.002 (J)	0.0054	—	—	—	—	—	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	0.0294 (J)	—	—	—	—	0.13	0.249	0.315	—	—	—	NA	0.152
RE02-07-1255	02-600289	10.0–14.5	QBO	—	—	—	—	—	0.0045	—	—	—	—	—	—	—	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	0.00934 (J)	—	0.408 (J)	—	0.0522	0.0567 (J)	0.076 (J)	0.108 (J)	0.0519 (J)	—	—	NA	0.073 (J)

Table 2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	—	—	0.004	0.0069	0.0331 (J)	—	0.0636 (J)	—	—	—	—	0.0371
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	0.0057	0.0123	—	—	—	—	—	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	—	—	—	—	0.0022 (J)	—	—	—	—	—	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	—	—	—	0.0211 (J)	—	—	—	—	—	—	NA	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	—	—	0.0068	0.0152	—	—	—	—	—	—	—	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	0.0232 (J)	0.042	—	—	0.0688	0.105	—	0.256 (J)	0.42 (J)	0.232 (J)	—	—	NA	0.211

Table 2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Nitrosodimethylamine[N-]	Phenanthrene	Pyrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**1620**	**103**	**24400**	**26500**	**23.4**	**389**	**490**	**300**[e]	**300**	**0.376**	**20500**	**30900**	**252**	**82**
CA02-00-0155	02-01095	0.0–0.5	SED	—	—	0.25 (J)	—	—	—	—	—	—	—	0.12 (J)	0.23 (J)	—	NA
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	—	—	—	—	—	—	—	—	NA
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	1.2 (J)	—	0.37 (J)	NA	NA	—	—	—	0.58 (J)	1.3 (J)	NA	NA
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	0.126	—	0.0462 (J)	NA	NA	—	—	—	0.0729	0.178	NA	NA
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	0.0654	—	0.0202 (J)	NA	NA	—	—	—	0.0437	0.0887	NA	NA
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000282 (J)
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	0.326	0.0359 (J)	0.0781 (J)	NA	NA	0.0165 (J)	0.0435	—	0.317	0.466	NA	NA
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	0.000322 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	0.000266 (J)	—	—	—	0.000433 (J)	—	—	—	—	—	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	0.000384 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	0.0721	—	—	NA	NA	—	—	—	0.0538	0.0754	NA	NA
RE02-07-1234	02-600285	4.5–5.0	QAL	0.13 (J)	—	0.643	0.161	0.149 (J)	—	—	0.145	0.415	—	0.897	0.762	—	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	0.165 (J)	—	1.34	0.233	0.451 (J)	NA	NA	0.153	0.39	—	1.38	1.53	NA	NA
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	0.212	0.0498	0.0609 (J)	—	—	0.0592	0.165	—	0.31	0.272	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	0.114	—	0.0121 (J)	—	—	—	—	—	0.0689	0.116	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.0133 (J)	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	—	—	—	0.00315 (J)	—	—	—	—	—	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	0.0405	—	—	NA	NA	0.0198 (J)	—	—	0.0415	0.0579 (J)	NA	NA
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	0.0591	—	—	0.000392 (J)	—	—	—	—	0.0496	0.0484	0.000522 (J)	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	1.01	0.0234 (J)	—	NA	NA	—	—	—	0.462	1.58	NA	NA
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	0.201	—	—	NA	NA	—	—	—	0.133	0.281	NA	NA
RE02-07-1255	02-600289	10.0–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	0.0777	—	0.03 (J)	NA	NA	—	—	—	0.0436	0.106 (J)	NA	NA
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	0.0464	—	—	—	—	—	—	—	0.0311 (J)	0.0325 (J)	—	—

Table 2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Nitrosodimethylamine[N-]	Phenanthrene	Pyrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**1620**	**103**	**24400**	**26500**	**23.4**	**389**	**490**	**300**[e]	**300**	**0.376**	**20500**	**30900**	**252**	**82**
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	—	0.000328 (J)	—	—	—	—	—	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	0.0134 (J)	—	—	NA	NA	—	—	—	—	0.0193 (J)	NA	NA
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	—	—	—	—	0.00224 (J)	—	—	—	—	—	—	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	—	—	—	0.00456 (J)	—	—	—	—	—	—	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.353	0.0174 (J)	0.151 (J)	NA	NA	—	—	0.146 (J)	0.213	0.518	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

Table 2.17-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**na[c]**	**0.054**	**na**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**0.18**
SED BV/FV[b]				**0.9**	**na**	**0.068**	**0.093**	**0.2**
Industrial SALs[d]				**23**	**5.1**	**210**	**440000**	**87**
CA02-00-0155	02-01095	0.0–0.5	SED	—[e]	0.116	1.09	—	—
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	0.456	—	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	1.62	0.293583	—
RE02-03-51834	02-22356	9.0–9.5	ALLH	0.0847	0.635	0.191	0.0605	—
RE02-03-51835	02-22356	10.5–11.0	ALLH	0.14	0.192	0.0707	0.0822	—
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	—	0.1	0.292
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	0.356	—	0.0493	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	0.0223	0.156	—	0.0546	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	—	0.0190008	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	0.0666307	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	0.0306	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	—	0.0290413	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	0.184202	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	1.75	—	—	0.0232644	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	0.833098	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	0.0774242	0.209
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	—	0.0209255	—
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	—	0.0669667	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	0.266	0.0159 (J-)	0.612857	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	0.0503762	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	—	0.0281602	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	—	0.133873	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	0.0514	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	—	0.0240489	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	0.0354666	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	0.0291	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	—	0.0123869	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	0.0282271	—

Table 2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**na**	**0.068**	**0.093**	**0.2**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**440000**	**87**
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	1.05	0.0552	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	0.0812	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	0.0269546	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	0.0295 (J-)	0.0279421	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	0.0820723	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.622 (J-)	0.0287607	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.18-1
Summary of Inorganic Chemicals above BV at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[e]	—	—	—	—	0.494 (U)	—	—	NA[f]	—	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	0.516 (U)	—	—	NA	—	0.762	—
RE02-07-2664	02-600592	16.0–21.0	QBO	4350	—	0.719 (J)	—	—	0.601 (U)	—	6.87 (J)	NA	—	—	5250
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-2668	02-600593	9.5–14.5	QAL	—	—	—	—	—	0.567 (U)	—	—	NA	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	8480	0.508 (UJ)	1.02 (J)	—	—	0.626 (U)	—	13.7 (J)	NA	—	—	4630
RE02-07-2671	02-600594	0.0–0.5	ALLH	—	—	—	—	—	0.492 (U)	—	—	NA	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	—	—	533	—	—	—	—	NA	—	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	—	—	—	—	0.538 (U)	—	—	NA	—	—	—
RE02-07-2674	02-600594	14.5–16.7	QBO	11400	0.542 (UJ)	0.852 (J)	44.2	—	0.678 (U)	—	3.3 (J)	NA	—	—	5670
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	—	—	—	—	0.492 (U)	—	—	NA	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-2678	02-600595	9.5–11.9	QAL	—	—	—	—	—	0.52 (U)	—	—	NA	—	—	—
RE02-07-2679	02-600595	14.5–20.5	QBO	5540	—	1.11 (J)	—	—	0.581 (U)	—	9.74 (U)	NA	—	—	6380 (J+)
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	11500	—	1.61 (U)	68.7	—	0.535 (U)	—	19.8	NA	—	—	5640
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
02-009(a)															
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	—	—	—	—	0.538 (U)	8290	—	NA	—	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	—	—	0.525 (U)	—	—	NA	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	0.509 (U)	—	—	NA	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—	—
RE02-07-1134	02-600261	0.0–0.5	ALLH	—	—	—	—	—	0.569 (U)	23300	—	NA	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	0.546 (U)	6380 (J+)	—	NA	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	0.542 (U)	—	—	NA	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	—	—	0.546 (U)	—	—	NA	—	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	0.506 (U)	—	—	NA	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	0.523 (U)	—	—	NA	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	—	—	—	—	0.548 (U)	—	—	NA	—	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1142	02-600263	4.5–5.0	QAL	—	—	—	—	—	0.496 (U)	—	—	NA	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	—	—	0.567 (U)	—	—	NA	—	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	0.526 (U)	—	—	NA	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	—	—	—	—	0.547 (U)	—	—	NA	—	—	—
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	0.513 (U)	—	—	NA	—	—	—
RE02-07-1149	02-600266	0.0–0.5	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	0.502 (U)	—	—	NA	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	—	—	—	—	0.508 (U)	—	—	NA	—	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	0.519 (U)	—	—	NA	—	—	—
RE02-07-1155	02-600268	0.0–0.5	ALLH	—	—	—	—	—	0.534 (U)	19100	—	NA	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	0.539 (U)	26700	—	NA	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	0.506 (U)	—	—	NA	—	1.21 (U)	—
RE02-07-1158	02-600269	0.0–0.5	ALLH	—	—	—	—	—	2.65 (U)	—	—	NA	80.7	—	63200
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	0.539 (U)	—	—	NA	69.5	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	66	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	—	—	—	—	0.524 (U)	—	59.3	NA	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-1164	02-600271	0.0–0.5	ALLH	—	—	—	—	—	0.544 (U)	—	—	NA	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	0.501 (U)	—	—	NA	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	—	—	—	—	0.553 (U)	13400	—	NA	—	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	—	—	—	—	0.52 (U)	—	—	NA	—	—	—
RE02-07-1169	02-600272	4.5–14.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	—	—	—	—	0.509 (U)	—	—	NA	—	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	0.498 (U)	—	—	NA	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	—	—	—	—	0.546 (U)	—	—	NA	—	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	0.513 (U)	—	—	NA	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	—	—	—	—	0.533 (U)	—	—	NA	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	0.519 (U)	—	—	NA	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	0.504 (U)	—	—	NA	—	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	—	—	0.552 (U)	—	—	NA	—	0.51	—
RE02-07-1180	02-600276	2.0–2.5	QAL	—	—	—	—	—	0.503 (U)	—	—	NA	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1182	02-600277	0.0–0.5	ALLH	—	—	—	—	—	0.525 (U)	—	—	NA	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	0.495 (U)	—	—	NA	—	—	—
RE02-07-1184	02-600277	4.5–5.0	QAL	—	—	—	—	—	0.502 (U)	—	—	NA	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	—	—	0.529 (U)	—	—	NA	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	—	—	—	—	0.535 (U)	—	—	NA	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	0.498 (U)	—	—	NA	—	—	—
RE02-07-1191	02-600280	0.0–0.5	ALLH	—	—	—	—	—	0.541 (U)	—	—	NA	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1193	02-600280	4.5–5.0	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-1194	02-600281	0.0–0.5	ALLH	—	—	—	—	—	0.534 (U)	—	—	NA	—	—	—
RE02-07-1195	02-600281	2.0–2.5	QAL	—	—	—	—	—	0.511 (U)	—	—	NA	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
02-009(b)															
CA02-00-0178	02-01243	13.0–14.0	QBT3	—	0.57 (J-)	—	—	—	—	—	—	NA	—	NA	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	—	—	—	6510	—	NA	—	—	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	7020	—	NA	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2753	02-600606	17.1–20.0	QBO	—	—	1.62	—	—	0.524 (U)	—	13	NA	—	—	7330
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	—	—	—	—	0.49 (J)	—	—	NA	—	3.82 (U)	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	4870	—	1.69 (U)	—	—	0.564 (U)	—	11.5	NA	—	—	5800 (J)
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	1.74 (U)	—	—	0.58 (U)	—	5.7 (U)	NA	—	—	5650
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	0.516 (U)	—	32.3	NA	—	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	—	—	0.572 (J)	—	—	0.564 (U)	—	17.4	NA	—	—	6210
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	0.495 (U)	—	—	NA	—	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	—	—	—	—	0.564 (U)	—	—	NA	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	—	—	—	—	—	—	—	NA	—	1.08	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
02-009(c)															
CA02-00-0021	02-01225	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	—	—	—	—	—	—	34	NA	—	NA	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	—	—	—	—	—	—	28	NA	—	NA	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	8200	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0026	02-01226	5.0–6.5	QBT2	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0027	02-01226	10.0–12.0	QBT2	11000	—	—	54	—	—	—	—	NA	—	NA	—
CA02-00-0028	02-01226	12.5–14.0	QBT2	10000	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0216	02-01228	0.0–0.5	SED	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	9600	—	—	65	—	—	—	—	NA	—	NA	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	—	—	—	—	—	—	20 (J+)	NA	—	NA	—
CA02-00-0046	02-01229	12.5–15.0	QBT2	13000	—	—	—	—	—	—	—	NA	—	NA	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	—	—	—	—	—	—	33 (J+)	NA	—	NA	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	—	—	—	—	—	—	52 (J+)	NA	—	NA	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	12000	—	—	73	—	—	—	—	NA	—	NA	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	—	—	—	—	—	—	26 (J+)	NA	—	NA	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	—	—	—	—	—	—	11 (J+)	NA	—	NA	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	—	—	—	—	—	—	22	NA	—	NA	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	11000	—	—	56	—	—	—	—	NA	—	NA	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	—	—	—	—	—	—	38	NA	—	NA	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	7800	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	—	—	355	—	—	—	—	—	—	—	—
RE02-07-2702	02-600598	9.5–11.5	QAL	—	—	—	—	—	0.565 (U)	—	24.7	—	—	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	1.87	—	—	0.613 (U)	—	3.06 (U)	—	—	—	5820
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	—	—	320	—	—	—	—	—	—	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	—	—	0.522 (U)	—	—	—	—	—	—
RE02-07-2707	02-600599	9.5–12.5	QAL	—	—	—	—	—	0.553 (U)	—	—	0.761	—	—	—
RE02-07-2708	02-600599	13.5–20.5	QBO	—	—	1.57 (J)	—	—	0.609 (U)	—	7.79 (U)	—	—	—	6930
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	0.52 (U)	—	—	0.299 (J)	—	—	—
RE02-07-2712	02-600600	9.5–11.8	QAL	—	—	—	—	—	0.556 (U)	—	—	0.251	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	7000	0.527 (UJ)	2.01 (U)	—	—	0.67 (U)	—	5.81 (U)	—	—	—	5580
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	—	—	636	—	0.52 (U)	—	—	—	—	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	—	—	0.518 (U)	—	—	—	—	—	—
RE02-07-2717	02-600601	9.5–11.3	QAL	—	—	—	—	—	0.561 (U)	—	—	—	—	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	6180 (J)	—	1.37 (J)	—	—	0.581 (U)	—	7.91 (U)	—	—	—	5740 (J)
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	—	—	0.536 (U)	—	—	0.267 (J)	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2721	02-600602	4.5–9.5	QAL	—	—	—	520	—	0.525 (U)	—	—	—	—	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	21800	0.557 (U)	1.18 (J)	29.4	—	0.678 (U)	—	4.91	—	4.15	—	10600
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	—	—	0.512 (U)	—	—	1.33	—	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	—	—	0.522 (U)	—	—	—	—	—	15200
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	0.496 (U)	—	—	—	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	0.544 (U)	—	—	0.0919 (J)	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	0.55 (U)	—	—	—	—	—	—
RE02-07-2951	02-600643	14.5–16.9	QBO	9780	—	0.892 (J)	62.4	—	0.604 (U)	—	9.12 (U)	0.0647 (J)	—	—	6720
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	0.555 (U)	—	—	0.199 (J)	—	—	—
RE02-07-2956	02-600644	14.5–19.5	QBO	10000	—	1.5 (J)	66.1 (J+)	—	0.574 (U)	—	6.17 (U)	0.0592 (J)	—	—	6340 (J+)
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	0.297 (J)	—	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	—	—	—	—	0.554 (U)	—	—	0.162 (J-)	—	—	—
RE02-07-2961	02-600645	14.5–20.5	QBO	6810	—	1.73 (U)	37.5 (J-)	—	0.576 (U)	—	5.39 (U)	—	—	—	6530
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	0.545 (U)	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	0.561 (U)	—	—	—	—	—	—
RE02-07-2966	02-600646	14.5–16.8	QBO	4450	—	1.26 (J)	—	—	0.539 (U)	—	23.3 (J)	0.147 (J-)	—	—	6560
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	—	—	0.517 (U)	—	—	—	—	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	0.502 (U)	—	—	0.488 (J)	—	—	—
RE02-07-2973	02-600648	0.0–0.5	ALLH	—	—	—	—	—	0.523 (U)	—	—	0.396 (J)	—	—	—
RE02-07-2974	02-600648	4.5–7.0	QAL	—	—	—	—	—	0.565 (U)	—	—	—	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	4730	—	1.53 (J)	32.1 (J+)	—	0.604 (U)	—	—	0.0737 (J)	8.11 (U)	—	8250
RE02-07-2977	02-600648	14.5–19.5	QBO	11000	—	1.78 (U)	—	—	0.593 (U)	—	—	0.207	—	—	8040
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	—	—	0.535 (U)	—	—	0.8 (J)	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	—	—	0.526 (U)	—	—	0.26 (J)	—	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	0.546 (U)	—	—	—	—	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	—	—	—	—	0.568 (U)	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	4800	—	1.51 (J)	117 (J-)	—	0.59 (U)	—	11.8 (U)	0.144 (J-)	—	—	7560
RE02-07-2991	02-600651	19.5–21.6	QBO	4700	0.54 (UJ)	1.99 (U)	—	—	0.662 (U)	—	—	—	—	—	4920

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	—	—	—	—	0.529 (U)	—	—	0.287	—	—	—
RE02-07-2994	02-600652	4.5–5.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	0.537 (U)	—	—	0.124	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	0.578 (U)	—	52.3	—	—	—	—
RE02-07-2996	02-600652	16.6–18.4	QBO	14000	0.519 (UJ)	1.09 (J)	97.5	1.49	0.64 (U)	—	6.67 (U)	—	—	—	6650
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	—	—	—	—	0.537 (U)	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	0.524 (U)	—	22.2	0.168 (J-)	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	—	—	—	—
RE02-07-3206	02-600699	4.5–7.0	QAL	—	—	—	—	—	0.553 (U)	—	—	0.0387 (J)	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	1.7 (J)	—	—	0.573 (U)	—	—	0.0692 (J)	—	—	7250
RE02-07-3209	02-600699	19.5–21.7	QBO	3690	0.552 (UJ)	2.04 (U)	—	—	0.679 (U)	—	—	0.0964 (J)	—	—	4460
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	0.56 (U)	—	—	0.136	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	0.557 (U)	—	—	—	—	—	—
RE02-07-3213	02-600700	14.5–16.7	QBO	12900	0.578 (UJ)	2.22 (U)	—	—	0.739 (U)	—	—	0.0493 (J)	—	—	5940
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	—	0.536 (U)	—	—	0.0471 (J)	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	15700	0.586 (UJ)	2.19 (U)	69.2 (J+)	—	0.73 (U)	—	—	0.0745 (J)	4.44 (U)	—	6710
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	—	—	0.538 (U)	—	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	0.529 (U)	—	—	0.166 (J-)	—	—	—
RE02-07-3222	02-600702	9.5–12.7	QBO	15300	—	0.831 (J)	91.1	—	0.601 (U)	—	43.5	—	—	—	6420
RE02-07-3225	02-600703	0.0–0.5	SED	—	—	—	—	—	0.431 (J)	—	—	—	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	—	—	—	—	0.418 (J)	—	—	—	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	5430 (J+)	—	0.942 (J)	—	—	0.621 (U)	—	10.9 (J)	—	—	—	7630
RE02-07-3235	02-600705	0.0–0.5	SED	—	—	—	—	—	—	—	—	0.349 (J)	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	0.539 (U)	—	37.6	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	9420	—	1.8 (U)	50.1	—	0.584 (U)	—	13.5	—	—	—	7630
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—	—	—	—	—	0.965 (J)	0.000706 (J)	—	—	NA	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	0.000673 (J+)	—	—	NA	—	—
RE02-07-2664	02-600592	16.0–21.0	QBO	—	—	191	—	2.06	—	—	1.8 (U)	—	NA	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	0.297	—	—	—	—	—	NA	—	—
RE02-07-2668	02-600593	9.5–14.5	QAL	—	—	—	—	—	—	—	1.7 (U)	—	NA	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	1.88 (U)	—	NA	—	—
RE02-07-2671	02-600594	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	66	—	—	2.91	—	1.74	0.001 (J)	1.61 (U)	—	NA	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	—	—	—	—	—	—	1.61 (U)	—	NA	—	—
RE02-07-2674	02-600594	14.5–16.7	QBO	—	—	208	—	2.88 (U)	—	—	1.16 (J)	—	NA	—	—
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.959 (J)	0.0048	1.77	—	NA	—	—
RE02-07-2678	02-600595	9.5–11.9	QAL	—	—	—	—	—	—	—	2.52	—	NA	—	—
RE02-07-2679	02-600595	14.5–20.5	QBO	—	—	—	—	3.31 (U)	—	—	1.77	—	NA	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	—	1.94 (J-)	0.000997 (J)	—	—	NA	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	1.54 (U)	—	NA	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	—	—	258	—	6.54 (J+)	—	—	1.61 (U)	—	NA	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	—	—	—	—	1.56	—	—	—	NA	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	0.00122 (J)	—	—	NA	—	—
02-009(a)															
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	120
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	120
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	80
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	65
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	65
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	110
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	97
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	72
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	76
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	—	—	—	—	1.33 (J-)	—	12.6	—	NA	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	—	0.00623 (J-)	1.57 (U)	—	NA	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	0.35	—	1.78 (J-)	—	8.6	—	NA	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	1.14 (J-)	0.000939 (J)	8.02	—	NA	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**200**[g]	**1140**	**100000**
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	0.000979 (J)	8.91	—	NA	—	—
RE02-07-1134	02-600261	0.0–0.5	ALLH	—	5060	—	—	—	—	—	21.1	—	NA	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	1.57	—	9.93	—	NA	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	0.000558 (J+)	8.2	—	NA	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	0.349	—	4.3 (J-)	—	10	—	NA	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	1.33 (J-)	—	—	—	NA	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	—	—	—	—	6.19 (J-)	0.00204 (J-)	1.65 (U)	—	NA	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	1.23	0.00224 (J-)	1.55 (U)	—	NA	—	—
RE02-07-1142	02-600263	4.5–5.0	QAL	—	—	—	—	—	2.47	0.00145 (J-)	—	—	NA	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	—	—	4.26 (J-)	—	9.88	—	NA	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	1.06 (J-)	0.000758 (J-)	1.54 (U)	—	NA	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	0.00159 (J-)	1.58 (U)	—	NA	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	—	—	—	—	3.24 (J-)	0.00151 (J)	9.55	—	NA	—	—
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	1.48 (J-)	0.000879 (J+)	8.77	—	NA	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	0.93 (J-)	0.00262 (J+)	8.3	—	NA	—	—
RE02-07-1149	02-600266	0.0–0.5	ALLH	—	—	—	—	—	4.79	0.000612 (J+)	7.95	—	NA	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	2.3 (J-)	0.000879 (J+)	7.72	—	NA	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	1.27	0.00107 (J)	7.82	—	NA	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	—	—	—	—	2.92 (J-)	—	—	—	NA	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	0.000551 (J-)	—	—	NA	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	1.34 (J-)	0.00347 (J-)	1.55 (J)	—	NA	—	—
RE02-07-1155	02-600268	0.0–0.5	ALLH	—	—	—	—	—	2.28	—	16.7	—	NA	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	5170 (J+)	—	—	—	—	0.000758 (J)	19	—	NA	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	6.69	—	NA	—	—
RE02-07-1158	02-600269	0.0–0.5	ALLH	—	—	—	—	—	—	—	70.5	—	NA	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	21.6	—	NA	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	20.7	—	NA	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	—	—	—	—	2.65 (J-)	0.000951 (J-)	—	—	NA	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	1.23	0.00117 (J-)	—	—	NA	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	—	—	—	—	1.37 (J-)	0.0016 (J+)	9.39	—	NA	—	—
RE02-07-1164	02-600271	0.0–0.5	ALLH	—	—	—	—	—	1.86	—	5.74	—	NA	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	—	—	6.91	—	NA	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	1.59	—	6.87	—	NA	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	—	—	—	—	—	—	16.9	—	NA	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	—	—	—	—	1.51 (J-)	0.00104 (J)	9.2	—	NA	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-1169	02-600272	4.5–14.0	QAL	—	—	—	—	—	—	0.00303	8.17	—	NA	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	—	—	—	—	1.39 (J-)	—	7.99	—	NA	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	0.00112 (J)	9.36	—	NA	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	—	0.00114 (J)	10.2	—	NA	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	—	—	—	—	2.58 (J-)	—	8.05	—	NA	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	1.13 (J-)	—	9.49	—	NA	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	9.33	—	NA	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	—	—	—	—	2.44 (J-)	0.0018 (J)	8.44	—	NA	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	1.47 (J-)	0.00205 (J)	8.81	—	NA	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	1.1 (J-)	0.000616 (J)	7.82	—	NA	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	—	—	—	—	6.57	—	NA	—	—
RE02-07-1180	02-600276	2.0–2.5	QAL	—	—	—	—	—	1.19	—	6.63	—	NA	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	1.09	—	7.92	—	NA	—	—
RE02-07-1182	02-600277	0.0–0.5	ALLH	—	—	—	—	—	1.94 (J-)	—	—	—	NA	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	2.2 (J-)	—	—	—	NA	—	—
RE02-07-1184	02-600277	4.5–5.0	QAL	—	—	—	—	—	1.45 (J-)	0.000574 (J)	—	—	NA	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	—	—	—	—	7.91	—	NA	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	—	—	—	—	6.34	0.000944 (J+)	8.19	—	NA	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	1.04	0.00176 (J)	7.69	—	NA	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	1.57	0.000945 (J)	6.65	—	NA	—	—
RE02-07-1191	02-600280	0.0–0.5	ALLH	—	—	—	—	—	4.63	0.00061 (J)	7.75	—	NA	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	1.32	0.00195 (J)	6.73	—	NA	—	—
RE02-07-1193	02-600280	4.5–5.0	QAL	—	—	—	—	—	1.76	0.00114 (J)	7.27	—	NA	—	—
RE02-07-1194	02-600281	0.0–0.5	ALLH	—	—	—	—	—	2.19	0.00122 (J)	7.74	—	NA	—	—
RE02-07-1195	02-600281	2.0–2.5	QAL	—	—	—	—	—	1.51	0.000535 (J)	7.2	—	NA	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	1.54	0.00129 (J)	7.56	—	NA	—	—
02-009(b)															
CA02-00-0178	02-01243	13.0–14.0	QBT3	—	—	—	—	—	NA	NA	—	—	2.44	—	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	1.06	—	2.02 (J-)	—	—	—	NA	—	70.5 (J+)
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	0.146	—	2.43	—	—	—	NA	—	52 (J+)
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	0.445	—	2.96 (J-)	—	—	—	NA	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	0.26	—	5.57 (J-)	—	—	—	NA	—	—
RE02-07-2753	02-600606	17.1–20.0	QBO	—	—	268	—	4.08 (J)	—	—	0.762 (J)	—	NA	7.92 (J)	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	—	—	—	—	1.82 (J-)	—	—	—	NA	—	57.7
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	—	—	312	—	3.79 (J)	—	—	1.69 (U)	—	NA	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	—	—	1.27	—	2.2 (J-)	—	—	—	NA	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	0.14	—	2.93 (J-)	—	1.57 (U)	—	NA	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	2.11	—	NA	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	1.98 (J-)	—	—	—	NA	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	218	—	4.73 (U)	—	—	1.62 (J)	—	NA	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	—	—	—	—	1.22 (J-)	—	—	—	NA	—	56.9 (J+)
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	1.15 (J-)	0.000913 (J)	—	—	NA	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	13.6	—	243	—	4.66	—	—	0.702 (J)	—	NA	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	6.18 (J-)	—	—	—	NA	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	3.47 (J-)	0.000564 (J-)	—	—	NA	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	—	—	—	—	4.17	0.0017 (J)	—	—	NA	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	—	—	—	—	1.97	0.000669 (J)	—	—	NA	—	67 (J+)
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	1.81	—	—	—	NA	—	—
02-009(c)															
CA02-00-0021	02-01225	5.0–7.0	FILL	—	—	—	—	—	NA	NA	—	1.1	—	—	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0026	02-01226	5.0–6.5	QBT2	—	—	—	—	—	NA	NA	0.509 (J)	—	—	—	—
CA02-00-0027	02-01226	10.0–12.0	QBT2	—	—	—	—	—	NA	NA	—	1.1	—	—	—
CA02-00-0028	02-01226	12.5–14.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0216	02-01228	0.0–0.5	SED	—	—	—	—	—	NA	NA	0.316	1.2	—	—	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	—	—	—	—	NA	NA	—	1.1	7.1	—	—
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	—	—	—	—	NA	NA	—	—	4.77	—	—
CA02-00-0046	02-01229	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	—	—	—	—	NA	NA	—	—	3.01	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	—	—	—	—	NA	NA	—	1.4	—	—	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	—	—	—	—	NA	NA	—	1.2	—	—	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	—	—	—	—	NA	NA	—	2.2	—	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	—	—	—	—	NA	NA	—	2.8	—	—	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	—	—	—	—	—	NA	NA	—	2.1	—	—	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	—	—	—	—	NA	NA	—	2.3	—	—	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	—	—	—	—	NA	NA	—	1.7	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	—	—	—	—	NA	NA	—	1.4	—	—	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	—	—	0.23	—	NA	NA	—	2.3	—	—	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	—	—	0.25	—	NA	NA	—	1.9	—	—	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	—	—	0.25	—	NA	NA	—	1.8	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	—	—	0.679	—	2.59 (J-)	—	—	—	NA	—	—
RE02-07-2702	02-600598	9.5–11.5	QAL	—	—	—	—	—	—	—	11.4	—	NA	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	253 (J-)	—	—	—	—	6.66	—	NA	8.4	—
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	—	—	0.856	—	2.93	—	—	—	NA	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	0.31	—	—	—	—	—	NA	—	—
RE02-07-2707	02-600599	9.5–12.5	QAL	—	—	—	—	—	—	—	9.97	—	NA	—	—
RE02-07-2708	02-600599	13.5–20.5	QBO	—	—	195 (J-)	—	—	—	—	8.05	—	NA	7.79	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	—	—	—	—	1.14	—	1.57 (U)	—	NA	—	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	—	—	8.76	—	NA	—	—
RE02-07-2712	02-600600	9.5–11.8	QAL	—	—	—	—	—	—	—	7.7	—	NA	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	223 (J-)	—	—	—	—	7.79	—	NA	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	31.2	—	—	1.13	—	5.57 (J-)	—	—	—	NA	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	0.308	—	1.01	0.00058 (J)	9.06	—	NA	—	—
RE02-07-2717	02-600601	9.5–11.3	QAL	—	—	—	—	—	—	—	6.39	—	NA	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	—	—	320	—	3.2 (U)	—	—	8.59	—	NA	5.33	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	0.377	—	3.33 (J-)	—	—	—	NA	—	—
RE02-07-2721	02-600602	4.5–9.5	QAL	—	—	—	—	—	—	—	8.99	—	NA	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	—	—	458	—	2.28 (J+)	—	—	17.7	—	NA	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	—	—	1.03	—	1.54 (U)	—	NA	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	0.179	—	—	—	1.05 (J)	—	NA	—	77.2
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	0.81 (J)	—	1.65 (U)	—	NA	—	—
RE02-07-2951	02-600643	14.5–16.9	QBO	—	—	240	—	2.18 (U)	—	—	1.81 (U)	—	NA	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	—	—	—	—	1.36	—	—	—	NA	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	0.000825 (J)	1.53 (U)	—	NA	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	905	—	—	—	—	2.56	—	NA	—	—
RE02-07-2956	02-600644	14.5–19.5	QBO	—	—	260	—	2.77 (U)	—	—	2.04	—	NA	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	—	—	—	—	4.06	0.00109 (J)	—	—	NA	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	—	—	—	—	11.4	0.00536	1.57 (U)	—	NA	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	—	—	—	—	1.34 (J-)	—	—	—	NA	—	—
RE02-07-2961	02-600645	14.5–20.5	QBO	—	—	240 (J)	—	2.65 (U)	—	—	1.73 (U)	—	NA	—	—
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	—	—	—	—	1.26	0.00144 (J)	—	—	NA	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	0.00461	—	—	NA	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2966	02-600646	14.5–16.8	QBO	—	—	—	—	4.31 (U)	1.03 (J-)	—	1.62 (U)	—	NA	8.42	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	—	—	1.42	0.0015 (J+)	—	—	NA	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	—	0.00901	—	—	NA	—	—
RE02-07-2973	02-600648	0.0–0.5	ALLH	—	—	—	—	—	1.32	0.000776 (J+)	—	—	NA	—	—
RE02-07-2974	02-600648	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	211 (J+)	—	4.5 (U)	—	—	1.2 (J)	—	NA	8.32	—
RE02-07-2977	02-600648	14.5–19.5	QBO	—	—	239 (J+)	—	—	—	—	0.626 (J)	—	NA	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	—	—	1.31	0.00194 (J+)	—	—	NA	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	—	—	1.28	0.000878 (J+)	—	—	NA	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	—	—	—	—	1.01 (J)	0.000557 (J)	1.54 (U)	—	NA	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	1.93	—	1.6 (U)	—	NA	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	0.129	—	1.06 (J)	—	1.68 (U)	—	NA	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	639 (J)	—	2.06 (U)	—	—	0.973 (J)	—	NA	6.45	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	204 (J)	—	—	—	—	1.99 (U)	—	NA	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2994	02-600652	4.5–5.3	QAL	—	—	—	—	—	—	—	1.61 (U)	—	NA	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	2.43	—	NA	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	2.04	—	NA	—	—
RE02-07-2996	02-600652	16.6–18.4	QBO	—	—	234 (J+)	—	3.48 (U)	—	—	1.8 (J)	—	NA	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	—	—	—	—	2.75	—	—	—	NA	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	1.01 (J-)	—	1.61 (U)	—	NA	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	1.57 (U)	—	NA	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	—	—	—	—	—	0.000836 (J)	—	—	NA	—	—

Table 2.18-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 BV[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-3206	02-600699	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	210 (J+)	—	2.15	2.1	—	0.639 (J)	—	NA	8.07	—
RE02-07-3209	02-600699	19.5–21.7	QBO	—	—	—	—	—	—	—	2.04 (U)	—	NA	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	—	—	—	0.0012 (J-)	—	—	NA	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3213	02-600700	14.5–16.7	QBO	—	—	194 (J+)	—	—	—	—	0.806 (J)	—	NA	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	23.1	—	—	—	—	1.98	0.00151 (J)	—	—	NA	—	60.8
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	259 (J+)	—	—	—	—	1.16 (J)	—	NA	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	—	—	1.57	0.000709 (J)	1.62 (U)	—	NA	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	1.59 (U)	—	NA	—	—
RE02-07-3222	02-600702	9.5–12.7	QBO	—	—	287 (J+)	—	7.15	—	—	1.8 (U)	—	NA	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	21.3	—	—	—	—	1.47 (J-)	—	1.03 (J)	—	NA	—	67.4
RE02-07-3230	02-600704	0.0–0.5	SED	19.9	—	—	—	—	0.95 (J-)	—	1.56 (U)	—	NA	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	227	—	2.19	—	—	1 (J)	—	NA	6.24	—
RE02-07-3235	02-600705	0.0–0.5	SED	20.8	—	—	—	—	—	—	1.53 (U)	—	NA	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	243	—	2.12	—	—	1.23 (J)	—	NA	6.54	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	0.108	—	2.55 (J-)	—	1.49 (U)	—	NA	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

[g] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

Table 2.18-2
Summary of Organic Chemicals Detected at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[c]	NA[d]	—	—	0.0185 (J)	0.0209	0.0155 (J)	0.0119 (J)	0.0136 (J)	—	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	0.004	0.0025 (J)	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	NA	—	—	0.0899	0.0477	—	—	—	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	0.015	0.0072	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	0.00478 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	0.0443	NA	0.079	—	0.0822	0.0325	0.102	0.183	0.163	0.101 (J)	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	NA	—	—	0.0179	0.008	—	—	—	—	—	—
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	NA	—	—	0.254	0.0903	—	—	—	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	0.0977	0.0544	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	NA	—	—	0.0317	0.0192	—	—	—	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	NA	—	—	1.63	0.859	—	—	—	—	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	0.543	0.286	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	NA	0.00912 (J)	—	0.0043	0.0034 (J)	—	0.02 (J)	0.0297 (J)	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	0.041	—	—	—	—	—	—	—	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	NA	—	—	0.0028 (J)	0.0024 (J)	—	0.0189 (J)	0.0708	—	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	NA	—	—	—	0.0046	—	—	—	—	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	NA	—	—	0.0024 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	NA	—	—	—	0.0013 (J)	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	NA	—	—	0.0027 (J)	0.0026 (J)	—	—	—	—	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	0.00731 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	NA	—	—	0.0019 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0017 (J)	—	—	—	—	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	0.0478 (J-)	—	—	—	—	—	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0027 (J)	—	—	—	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	0.0016 (J)	—	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	NA	—	—	—	0.0144	—	—	—	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	NA	—	—	—	0.0033 (J)	—	—	—	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	NA	—	—	—	0.102	0.0209 (J)	0.0188 (J)	0.0261 (J)	—	0.0126 (J)	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	0.0155	—	—	0.012 (J)	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	NA	0.00697 (J)	—	—	0.0285	0.0371	0.0349	0.0534	0.0272 (J)	0.0232 (J)	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	0.0136 (J)	0.0161 (J)	—	0.0185 (J)	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	NA	—	—	0.0186	0.0181	0.0191 (J)	—	0.0424 (J)	—	0.0226 (J)	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	0.0016 (J-)	—	—	—	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	0.0131 (J)	NA	0.0421	—	0.0711	0.14	0.161	0.129	0.208	0.0751	0.095	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	0.0069	0.0097	—	—	0.0127 (J)	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.0016 (J)	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	NA	0.0343	—	—	—	0.233	0.198	0.379	0.109	—	0.0684 (J)
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	—	0.0275 (J)	0.0186 (J)	0.0374	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	—	0.0488	0.0306 (J)	0.0482	—	0.0194 (J)	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	NA	—	—	0.0139	0.0088	—	—	—	—	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	0.0226	0.0141	—	—	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	0.0108	—	—	0.0034 (J)	0.002 (J)	—	—	—	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	NA	0.0139 (J)	—	—	—	0.144	0.129	0.215	0.0407	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	—	0.0481	0.0454	0.0764	0.0201 (J)	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	NA	—	—	0.0125	0.0066	—	—	—	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	NA	—	—	0.0153	0.0141	—	—	—	—	—	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	0.0137	0.0116	—	—	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.037 (J)
0402-95-0044	02-01147	7.5–8.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.05 (J)
0402-95-0045	02-01147	12.5–14.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.095 (J)
CA02-00-0021	02-01225	5.0–7.0	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.2 (J)
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	NA	—	NA	NA	NA	—	—	0.061 (J)	—	—	—
CA02-00-0037	02-01228	5.5–7.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.18 (J)
CA02-00-0043	02-01229	5.0–7.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J-)
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.026 (J)
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.026 (J-)

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.051 (J)
CA02-00-0056	02-01231	5.0–6.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J)
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J)
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.021 (J)
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	NA	—	NA	NA	NA	—	—	—	—	—	0.019 (J)
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	0.0236 (J)	NA	0.0285 (J)	NA	NA	NA	0.108	0.147	0.173	0.0838	—	—
RE02-07-2705	02-600599	0.0–0.5	ALLH	0.0489	NA	0.0526	NA	NA	NA	0.178	0.226	0.379	0.109	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	NA	NA	NA	0.0136 (J)	0.0118 (J)	0.0195 (J)	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	0.106	NA	0.177	NA	NA	NA	0.277	0.222	0.257	0.089	0.15	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	0.0229 (J)	NA	0.0286 (J)	NA	NA	NA	0.0923	0.12	0.136	0.0713	0.0664	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0239 (J)	0.0205 (J)	0.0459 (J)	—	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	0.0161 (J)	NA	0.0334 (J)	NA	NA	NA	0.119	0.143 (J)	0.197 (J)	0.0777 (J)	0.0855 (J)	—
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	NA	—	—	0.0048	0.0025 (J)	—	—	—	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	0.0115	0.0072	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	0.003 (J)	0.0016 (J)	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	NA	—	—	0.0127 (J)	0.0064 (J)	—	0.0195 (J-)	0.0168 (J-)	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	0.0039	0.0019 (J)	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	NA	—	—	0.0026 (J)	0.0017 (J)	—	—	—	—	—	—
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	NA	—	—	—	—	—	—	—	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	NA	—	0.0045 (J-)	0.0055 (J-)	0.0057 (J-)	—	—	—	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	NA	—	—	—	0.0075 (J-)	—	0.0145 (J)	0.0111 (J)	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	NA	—	—	—	0.0052 (J-)	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	NA	—	—	0.0094	0.0045	—	—	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	0.0032 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	0.0297 (J)	—	0.0425	—	0.0263	0.0206	0.106	0.171	0.151	0.0799 (J)	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	0.0163	0.0096	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0016 (J)	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	0.0049	—	—	—	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	0.352	0.149	0.0196	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	NA	—	—	—	0.0025 (J)	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	0.0137	0.02	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	0.003 (J)	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	NA	—	—	0.0144	0.0121 (J)	—	—	—	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	0.0023 (J)	0.0036 (J)	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	NA	—	—	0.0078	0.0085	0.0283 (J)	—	0.0533 (J)	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	0.0477	0.0457	0.0145 (J)	—	0.0135 (J)	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	0.0025 (J)	0.0014 (J)	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	0.023 (J)	NA	0.0415	—	0.08	0.0991 (J)	0.162	—	0.262 (J)	—	0.132 (J)	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	0.0261	0.0396	0.0186 (J)	0.0122 (J)	0.0134 (J)	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	0.002 (J)	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	NA	0.00744 (J)	—	—	—	—	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	0.0063	0.0137	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	0.0182 (J)	NA	0.0473	—	0.0578	0.1	0.163	0.168 (J)	0.318 (J)	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	NA	0.00832 (J)	—	0.126	0.146	0.0458	—	0.0851 (J)	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	0.0448	0.0371	0.0159 (J)	0.0136 (J)	0.0189 (J)	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	NA	0.0173 (J)	—	0.0948	0.0959	0.0647	—	—	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	0.133 (J)	—	—	0.0089	0.0059	—	—	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	0.0125	0.0067	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	NA	—	—	0.0136	0.0154	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial SSLs[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0238 (J)	—	—	NA	NA
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	NA	NA	0.109	—	—	—	0.225	0.0471	0.108	NA	NA
RE02-07-2673	02-600594	9.5–11.6	QAL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0115 (J)	—	—	NA	NA
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0169 (J)	—	—	NA	NA
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0147 (J)	—	—	NA	NA
RE02-07-2687	02-600597	4.5–5.3	QAL	0.254 (J)	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	NA	NA	0.0179 (J)	—	—	—	0.0373	—	—	NA	NA
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	0.0358 (J)	—	—	—	—	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000324 (J)
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	NA	NA	0.0695	—	—	—	0.171	—	—	NA	NA
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0139 (J)	—	—	NA	NA
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial SSLs[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	0.000239 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	0.281 (J)	NA	NA	—	—	—	—	0.014 (J)	—	—	NA	NA
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	0.000231 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	0.000266 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	0.000264 (J)	—	—	—	—	—	—	—	—	—	0.000519 (J)
RE02-07-1166	02-600271	4.5–5.0	QAL	—	0.000273 (J)	—	—	—	—	—	—	—	—	—	0.000345 (J)
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.012 (J)	—	—	NA	NA
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	0.0367 (J)	—	—	—	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	0.00288	—	0.0388 (J)	—	—	—	—	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0164 (J)	—	—	NA	NA
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	0.000364 (J)	—	—	—	—	—
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	NA	NA	0.0164 (J)	—	—	—	0.0299 (J)	—	0.013 (J)	NA	NA
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	—	0.0131 (J)	—	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	NA	NA	0.0427	—	—	—	0.0628	—	0.0248 (J)	NA	NA
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	0.0111 (J)	—	—	—	0.0236 (J)	—	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	NA	NA	0.0298 (J)	—	—	—	0.0424	—	—	NA	NA

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial SSLs[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	NA	NA	0.19	—	—	—	0.415	0.0106 (J)	0.0668	NA	NA
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	—	0.0146 (J)	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	NA	NA	0.253	—	—	—	0.559	—	0.106	NA	NA
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	0.0243 (J)	—	—	—	0.0496	—	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	0.0494	—	—	—	0.0974	—	0.0142 (J)	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	NA	NA	—	0.0478 (J)	—	—	0.0104 (J)	—	—	NA	NA
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	0.0461 (J)	—	—	—	—	—	0.000342 (J)	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000986 (J)
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	NA	NA	0.161	—	—	—	0.325	—	0.0445	NA	NA
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	0.0489	—	—	—	0.0929	—	0.0195 (J)	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	NA	NA	0.0195 (J)	0.0789 (J)	—	—	0.0264 (J)	—	—	NA	NA
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	0.0184 (J)	—	—	—	0.0232 (J)	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
0402-95-0044	02-01147	7.5–8.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
0402-95-0045	02-01147	12.5–14.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0021	02-01225	5.0–7.0	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	NA	NA	0.085 (J)	—	0.061 (J)	—	0.058 (J)	—	—	NA	NA
CA02-00-0037	02-01228	5.5–7.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0043	02-01229	5.0–7.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0056	02-01231	5.0–6.5	FILL	—	NA	NA	—	—	—	—	0.023 (J)	—	—	NA	NA
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	NA	NA	—	0.038 (J)	—	—	—	—	—	NA	NA
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	NA	NA	—	0.03 (J)	—	—	—	—	—	NA	NA

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial SSLs[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
CA02-00-0080	02-01234	5.0–7.0	FILL	—	NA	NA	—	0.068 (J)	—	—	—	—	—	NA	NA
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	NA	NA	0.15	—	—	—	0.211	0.0213 (J)	0.0819	NA	NA
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	NA	NA	0.217	—	—	—	0.31	0.041	0.109	NA	NA
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	0.0132 (J)	—	—	—	0.0185 (J)	—	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	NA	NA	0.262	—	—	—	0.668	0.0924	0.0942	NA	NA
RE02-07-2711	02-600600	4.5–6.5	QAL	—	0.000223 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	0.000305 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	NA	NA	0.109	—	—	—	0.171	0.0175 (J)	0.0686	NA	NA
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	0.0175 (J)	—	—	—	0.0337 (J)	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	NA	NA	0.0232 (J)	—	—	—	0.0376	—	—	NA	NA
RE02-07-2725	02-600603	0.0–0.5	SED	—	NA	NA	0.132	—	—	—	0.257	0.0152 (J)	0.0728 (J)	NA	NA
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0153 (J-)	—	—	NA	NA
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	0.000231 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0112 (J)	—	—	NA	NA
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	0.0364 (J)	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0109 (J)	—	—	NA	NA
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	0.0837	—	—	—	0.183	0.0248 (J)	0.0934	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial SSLs[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	—	—	0.0111 (J)	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	NA	NA	0.0325 (J)	—	—	—	0.0531	—	—	NA	NA
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	—	—	0.0152 (J)	—	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	NA	NA	0.172	—	—	—	0.377	0.0231 (J)	—	NA	NA
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	0.0137 (J)	—	—	—	0.0262 (J)	—	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	NA	NA	0.0392	—	—	—	0.0822	—	—	NA	NA
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	—	NA	NA	0.156	—	—	—	0.348	0.0175 (J)	—	NA	NA
RE02-07-3230	02-600704	0.0–0.5	SED	—	NA	NA	0.0452	—	—	—	0.0852	—	—	NA	NA
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	—	—	—	0.0233 (J)	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	NA	NA	0.0691	—	—	—	0.133	—	—	NA	NA
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	0.0505
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	NA	NA	0.0116 (J)	—	—	—	0.0226 (J)	—	—	NA	NA

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	NA	—	—	—	0.0131 (J)	—	0.0191 (J)	NA	NA	NA	NA	NA
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	NA	0.0281 (J)	0.0755	—	0.233	—	0.18	NA	NA	NA	NA	NA
RE02-07-2673	02-600594	9.5–11.6	QAL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2676	02-600595	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	NA	—	—	—	0.0109 (J)	—	0.02 (J)	NA	NA	NA	NA	NA
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	0.000311 (J)	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	NA	—	—	—	—	—	0.015 (J)	NA	NA	NA	NA	NA
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	0.000526 (J)	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	NA	—	—	—	0.0351 (J)	—	0.0346 (J)	NA	NA	NA	NA	NA
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	—	—	—	0.000775 (J)	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	—	—	0.000428 (J)	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000392 (J+)	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.00036 (J)	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	NA	—	—	—	0.0828	—	0.136	NA	NA	NA	NA	NA
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.00112 (J+)	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000372 (J)	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000498 (J+)	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	NA	—	—	0.257 (J)	—	—	0.0134 (J)	NA	NA	NA	NA	NA
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000395 (J)	—	—	0.000619 (J)
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.000389 (J)	0.000843 (J)	0.000535 (J)	0.000648 (J)
RE02-07-1140	02-600265	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000949 (J+)	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.000986 (J)	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000877 (J+)	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0133 (J)	NA	NA	NA	NA	NA
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	0.000786 (J)	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	0.000743 (J)	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.00037 (J)	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000761 (J)	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000377 (J)	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	0.000488 (J+)	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000346 (J)	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000645 (J)	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000405 (J)	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	—	—	—	0.000331 (J)	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	0.000352 (J)	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	0.102 (J)	—	—	0.00119	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	—	—	—	0.000504 (J)	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000495 (J)	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	—	—	—	0.00143	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0142 (J)	NA	NA	NA	NA	NA
RE02-07-1188	02-600279	0.0–0.8	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000308 (J)	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000518 (J)	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000502 (J+)	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	NA	—	—	—	0.0114 (J)	—	0.0339 (J)	NA	NA	NA	NA	NA
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	0.0118 (J)	—	—	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	NA	—	—	—	0.0334 (J)	—	0.0577	NA	NA	NA	NA	NA

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	—	0.02 (J)	—	0.00136	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	NA	—	—	—	0.0123 (J)	—	0.0514	NA	NA	NA	NA	NA
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	0.000653 (J)	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	NA	—	—	—	0.206	—	0.35	NA	NA	NA	NA	NA
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	0.0151 (J)	—	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	NA	—	—	—	0.156	—	0.426	NA	NA	NA	NA	NA
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	0.0128 (J)	—	0.0319 (J)	—	—	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	0.0349 (J)	—	0.0848	—	—	—	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0117 (J)	NA	NA	NA	NA	NA
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	NA	—	—	—	0.067	—	0.241	NA	NA	NA	NA	NA
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	0.0214 (J)	—	0.0678	—	—	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	NA	—	—	—	—	—	0.0131 (J)	NA	NA	NA	NA	NA
RE02-07-2774	02-600613	0.0–1.5	ALLH	NA	0.00949 (J)	—	—	—	—	0.0206 (J)	NA	NA	NA	NA	NA
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	—	0.0207 (J)	—	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
0402-95-0044	02-01147	7.5–8.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
0402-95-0045	02-01147	12.5–14.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0021	02-01225	5.0–7.0	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0035	02-01228	0.0–2.5	ALLH	NA	0.29 (J)	0.2 (J)	—	0.16 (J)	—	0.097 (J)	NA	NA	NA	NA	NA
CA02-00-0037	02-01228	5.5–7.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0043	02-01229	5.0–7.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0044	02-01229	7.5–8.3	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0050	02-01230	8.0–10.0	ALLH	NA	—	—	—	—	0.04 (J)	—	NA	NA	NA	NA	NA
CA02-00-0051	02-01230	10.0–11.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0052	02-01230	12.5–14.0	ALLH	NA	—	—	—	—	0.14 (J)	—	NA	NA	NA	NA	NA
CA02-00-0056	02-01231	5.0–6.5	FILL	NA	—	0.022 (J)	—	0.036 (J)	—	0.032 (J)	NA	NA	NA	NA	NA
CA02-00-0057	02-01231	7.5–10.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0059	02-01231	12.5–13.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
CA02-00-0060	02-01231	13.0–15.0	QBT2	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0064	02-01232	7.5–10.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0074	02-01233	15.0–17.5	QBT2	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0080	02-01234	5.0–7.0	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2700	02-600598	0.0–0.5	ALLH	NA	—	—	—	0.185	—	0.222	NA	NA	NA	NA	NA
RE02-07-2705	02-600599	0.0–0.5	ALLH	NA	0.0162 (J)	0.0254 (J)	—	0.313	—	0.386	NA	NA	NA	NA	NA
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	—	0.0159 (J)	—	0.0177 (J)	—	—	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	NA	0.0359	0.0701	—	0.589	—	0.592	NA	NA	NA	NA	NA
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	NA	—	—	—	0.13	—	0.169	NA	NA	NA	NA	NA
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	—	0.0271 (J)	—	0.0387	—	0.000511 (J+)	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	NA	—	—	—	0.0191 (J)	—	0.0386	NA	NA	NA	NA	NA
RE02-07-2725	02-600603	0.0–0.5	SED	NA	—	—	—	0.157	—	0.28	NA	NA	NA	NA	NA
RE02-07-2948	02-600643	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0114 (J-)	NA	NA	NA	NA	NA
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2963	02-600646	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0129 (J)	NA	NA	NA	NA	NA
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	0.000239 (J)	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	NA	0.0323 (J)	0.0143 (J)	—	0.0169 (J)	—	—	NA	NA	NA	NA	NA
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	NA	0.0224 (J)	0.011 (J)	—	0.0141 (J)	—	—	NA	NA	NA	NA	NA
RE02-07-2983	02-600650	0.0–0.5	ALLH	NA	0.0108 (J)	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	0.000552 (J)	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	0.0217 (J)	0.0763	—	0.15	—	0.142	—	—	—	—	—

Table 2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	0.0031 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	NA	0.00922 (J)	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	NA	0.0308 (J)	0.0209 (J)	—	0.0395	—	0.0522	NA	NA	NA	NA	NA
RE02-07-3211	02-600700	4.5–6.7	QAL	—	0.0116 (J)	—	—	0.0137 (J)	—	0.0138 (J)	—	0.000418 (J)	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	NA	0.0121 (J)	0.0174 (J)	—	0.22	—	0.324	NA	NA	NA	NA	NA
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	0.0143 (J)	—	0.0197 (J)	—	—	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	NA	0.0256 (J)	0.0173 (J)	—	0.0402	—	0.0799	NA	NA	NA	NA	NA
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	NA	—	—	—	0.219	—	0.355	NA	NA	NA	NA	NA
RE02-07-3230	02-600704	0.0–0.5	SED	NA	—	—	—	0.0451	—	0.0816	NA	NA	NA	NA	NA
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	0.0208 (J)	—	0.0196 (J)	—	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	NA	—	—	—	0.0778	—	0.148	NA	NA	NA	NA	NA
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	0.00456	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	NA	—	—	—	0.0105 (J)	—	0.0246 (J)	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table 2.18-3
Summary of Radionuclides Detected or Detected above BV/FV at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
SWMU 02-007												
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[e]	—	—	0.0626	—	0.0168574	—	—	—
RE02-07-2664	02-600592	16.0–21.0	QBO	—	—	—	—	—	0.159145	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	0.855	—	0.0561	0.276	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	1.16	—	0.0394	0.27	0.073	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.0274948	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	1.41	—	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	0.0166681	—	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	—	—	—	0.231 (J-)	—	—	—	—	—
SWMU 02-009(a)												
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	8.72	—	—	—	0.0745361	—	—	—
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	4.84	—	—	—	0.041134	—	—	—
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	2.79	—	—	—	—	—	—	—
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	0.604	—	—	0.395	0.0629167	—	—	—
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	0.0774023	—	—	—
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	0.0626316	—	—	—
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	0.132	—	—	—	0.0775269	—	—	—
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	2.12	—	—	—	—	—	—	—
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	0.159	—	—	—	0.05	—	—	—
CA02-00-0215	02-01264	5.0–5.5	ALLH	—	1.15	—	—	0.451	0.0445833	—	—	—
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	2.23	—	—	—	—	—	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	0.165	—	—	—	—	—	—	—
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	0.0150508	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	0.0563	—	—	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	0.0146047	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	0.0419636	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	0.522	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	0.112	—	—	—	—	—

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-1138	02-600262	2.0–2.5	QAL	—	0.234	—	—	—	0.021882	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	0.0648	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	0.0211134	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	0.0224636	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	0.010856	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	0.485	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	1.88	—	—	—	0.0126976	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	0.0253049	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	0.0406606	—	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	1.59	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	0.205	—	—	—	—	—	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	0.193	—	—	—	0.0110716	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	0.144	—	—	—	—	—	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	2.76	—	—	—	—	—	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	2.79	—	—	0.483	—	—	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	0.0160548	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	0.0238351	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	12.1	—	0.0774	—	—	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	3.91	—	—	0.391	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	0.692	—	—	—	—	—	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	0.0204	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	0.114	—	—	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	0.873	—	0.109	—	—	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	0.0105311	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	0.047	4.17	—	0.0124268	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	0.0788	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	0.0146073	—	—	—

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
SWMU 02-009(b)												
CA02-00-0176	02-01243	5.0–7.0	ALLH	—	0.872	—	0.0502	—	0.0489727	—	—	—
CA02-00-0178	02-01243	13.0–14.0	QBT3	0.101	—	—	—	—	—	—	—	—
CA02-00-0181	02-01244	6.0–7.0	ALLH	—	—	—	—	—	0.05639	—	—	—
CA02-00-0182	02-01244	12.5–13.5	QBT3	—	—	—	—	—	0.115916	—	0.236	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	0.848	—	0.0495	—	0.0120486	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	0.0647	—	—	—	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	6.01	—	0.426	1.93	0.0130299	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	8.62	—	0.432	—	—	—	—	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	8.01	—	0.238	—	—	—	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	—	—	—	—	—	0.0650809	—	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	0.391	—	0.034	—	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.0856982	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	2.13	—	0.11	—	—	—	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	5.59	—	0.344	4.02	0.0131881	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	0.509	—	—	—	0.0180749	—	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	—	—	—	0.0849524	—	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	8.32	—	0.0915	2.49	—	2.87	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	2.13	—	0.0432	0.388	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	2.24	—	—	0.706	0.0651043	—	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	—	—	—	—	—	0.051752	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	0.00727748	—	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	1.06	—	—	0.471	—	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	0.829	—	—	0.261	—	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	0.94	—	—	—	—	—	—	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	0.609	—	0.0425	0.247	—	—	—	—
SWMU 02-009(c)												
0402-95-0005	02-01140	8.5–9.5	QBT2	NA[a]	0.95	—	0.024	—	0.237819	—	—	—
0402-95-0006	02-01140	12.5–13.5	QBT2	NA	0.24	—	0.011	—	0.122899	—	—	—

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
0402-95-0011	02-01141	7.5–8.5	QBT2	NA	NA	—	—	—	0.425847	—	—	—
0402-95-0015	02-01142	4.0–5.0	QBT2	NA	30.82	—	0.117	1.56	0.229631	—	—	—
0402-95-0016	02-01142	9.0–10.0	QBT2	NA	NA	—	—	—	0.314579	—	—	—
0402-95-0017	02-01142	16.5–17.5	QBT2	NA	0.53	—	—	0.47	0.872936	2.15	—	—
0402-95-0021	02-01143	3.0–5.0	QBT2	NA	2.49	—	0.06	0.42	0.0711778	—	—	—
0402-95-0022	02-01143	9.0–10.0	QBT2	NA	5.13	—	0.012	0.34	0.0617607	—	—	—
0402-95-0023	02-01143	14.0–15.0	QBT2	NA	3.22	—	—	—	0.113008	—	—	—
0402-95-0038	02-01146	7.5–8.5	ALLH	NA	3.44	—	0.022	1.36	0.406635	—	—	—
0402-95-0039	02-01146	11.5–12.5	ALLH	NA	1.37	—	—	1.35	0.107786	—	—	—
0402-95-0044	02-01147	7.5–8.5	FILL	NA	0.51	—	0.073	2.35	0.383667	—	—	—
0402-95-0045	02-01147	12.5–14.0	ALLH	NA	0.92	—	0.098	7.39	0.24503	—	—	—
0402-95-0049	02-01148	8.0–9.0	QBT2	NA	5.39	—	0.012	1	0.140325	—	—	—
0402-95-0050	02-01148	12.5–13.5	QBT2	NA	2.79	—	0.17	2.57	—	—	—	—
CA02-00-0021	02-01225	5.0–7.0	FILL	—	0.143	—	0.0571	—	0.0475939	—	—	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	0.162	—	—	—	0.0546123	—	—	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	0.0687	—	—	3.78	0.050789	—	—	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	0.115	—	—	—	—	0.0416412	2.57	0.111	2.69
CA02-00-0027	02-01226	10.0–12.0	QBT2	0.0818	—	—	—	1.67	—	2.2	—	2.21
CA02-00-0028	02-01226	12.5–14.0	QBT2	—	—	—	—	—	—	2.62	0.111 (J-)	2.71
CA02-00-0031	02-01227	5.0–7.5	FILL	—	0.266	—	0.0582	0.525	—	—	—	—
CA02-00-0032	02-01227	7.5–9.0	ALLH	—	0.36	—	—	0.716	—	—	—	—
CA02-00-0033	02-01227	10.0–12.0	ALLH	0.0658	0.399	—	0.0283	1.12	—	—	—	—
CA02-00-0034	02-01227	12.5–14.0	ALLH	—	—	—	—	0.574	0.0403466	—	—	2.3
CA02-00-0216	02-01228	0.0–0.5	SED	—	7.61	—	0.391	—	—	—	—	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	15.2	—	0.934	1.5	0.0465446	—	—	—
CA02-00-0036	02-01228	2.5–4.5	ALLH	—	0.815	—	0.992	1.22	—	—	—	—
CA02-00-0037	02-01228	5.5–7.5	FILL	0.0707	1.45	—	0.382	2.15	—	—	—	—
CA02-00-0038	02-01228	7.5–10.0	ALLH	0.0677	1.31	—	—	1.07	—	—	—	—
CA02-00-0039	02-01228	10.0–12.3	ALLH	—	1.01	—	0.0482	1.53	—	—	—	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	—	—	—	—	1.83	0.0551244	2.33	0.098	2.32

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
CA02-00-0043	02-01229	5.0–7.5	FILL	—	20.7	—	0.189	0.471 (J-)	—	—	—	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	15.6	—	0.347	1.38 (J-)	—	4.37	—	3.92
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	7.66	—	0.243	4.03 (J-)	0.0325556	4.33	—	3.87
CA02-00-0046	02-01229	12.5–15.0	QBT2	0.119	—	—	—	—	0.043619	2.58	0.106 (J-)	2.56
CA02-00-0049	02-01230	5.0–7.0	FILL	—	0.314	—	—	—	0.0781364	—	—	—
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	64.9	—	0.0265	2.82 (J-)	0.0183191	—	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	7.64	—	0.06	1.05 (J-)	0.0488182	—	—	—
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	10.5	—	0.0503	1.39 (J-)	0.0472184	—	—	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	0.121	0.149	—	—	1.86 (J-)	0.0643291	2.43	—	2.68
CA02-00-0056	02-01231	5.0–6.5	FILL	—	77.7	—	0.078	11.8 (J-)	0.177778	—	—	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	2.18	—	0.0465	0.353 (J-)	0.0809551	—	—	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	0.853	—	0.0515	0.434 (J-)	—	—	—	—
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	0.291	—	0.0421	—	—	—	—	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	2.22	—	0.0222	0.546 (J-)	0.0557356	—	—	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	0.208	—	0.0323	—	0.0812174	—	—	—
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	0.501	—	0.025	—	0.0411702	—	—	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	1.66	—	0.0845	—	0.0481648	—	—	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	—	0.433	—	0.0323	—	0.0570805	—	—	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	1.03	—	0.0838	—	0.0544194	—	—	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	1.36	—	0.0952	—	—	—	—	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	0.075	0.609	—	0.0423	—	0.0901364	—	—	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	0.408	—	—	—	0.0312366	—	—	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	0.427	—	—	—	0.0806849	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	0.165	—	—	—	0.241605	2.19	0.0914 (J-)	2.11
CA02-00-0080	02-01234	5.0–7.0	FILL	0.0718	17	—	0.333	2.78	0.210659	—	—	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	30.5	—	0.629	3.27	0.572727	—	—	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	31.7	—	0.697	3.15	0.024433	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	2.32	—	0.0849	—	—	—	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	—	—	—	—	—	0.233	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	0.158	—	0.0346	—	—	—	—	—

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-2711	02-600600	4.5–6.5	QAL	—	0.168	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	—	—	—	—	0.184	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	1.9	—	0.0566	—	—	—	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	1.64	—	0.0621	—	—	—	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	—	—	—	0.0543	—	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	0.0582	—	—	—	—	—
RE02-07-2721	02-600602	4.5–9.5	QAL	—	0.272	—	—	—	—	—	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	—	—	—	0.0397	—	—	—	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	0.188	—	—	—	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	0.487	—	—	—	—	—
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	0.0110722	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	0.96	—	—	—	0.0317137	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	1.21	0.0238539	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	0.0240805	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	0.188	—	—	0.244	—	—	0.211	—
RE02-07-2956	02-600644	14.5–19.5	QBO	—	—	—	—	0.449	—	—	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	10.3	—	—	1.87	0.0373926	—	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	0.431	—	—	0.559	0.0375111	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	0.0912322	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	2.01	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	0.0588	1.94	—	—	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	0.0222857	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	2.26	—	—	2.56	—	—	—	—
RE02-07-2977	02-600648	14.5–19.5	QBO	—	0.16	—	—	0.333	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	0.0636	—	0.0168726	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	0.0608	—	—	—	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	0.115 (J-)	0.359	—	—	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	0.495	—	—	0.505	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	3.36	—	—	—	0.0404346	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	232	—	0.288	1.34	0.0497727	—	—	—

Table 2.18-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV/[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-2992	02-600651	14.5–16.9	QBO	—	8.12	—	0.0542	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	0.316	—	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	1.58	—	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	121	—	0.283	0.899	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	4.56	—	—	—	—	—	—	—
RE02-07-3206	02-600699	4.5–7.0	QAL	—	2.95	—	—	1.16	—	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	13.9	—	0.051	1.1	—	—	—	—
RE02-07-3209	02-600699	19.5–21.7	QBO	—	2.82	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	0.223	—	—	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	0.527	—	0.616	0.326	0.0748952	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	0.215	—	—	—	0.0930691	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	—	—	0.804	—	—	—	—	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	0.565	—	0.254	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	0.0456	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	—	—	—	0.547	—	—	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	—	—	0.409	—	—	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	0.183	—	0.149 (J-)	—	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	—	—	0.676	—	—	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	0.119	—	0.138	—	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	0.0256	1.12	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	0.214	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.19-1
Summary of Inorganic Chemicals above BV at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron	Lead	Manganese	Nitrate	Selenium	Silver	Thallium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**na**[b]	**14.7**	**0.5**	**21500**	**22.3**	**671**	**na**	**1.52**	**1**	**0.73**	**39.6**	**48.8**
QBO BV [a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**na**	**3.96**	**0.5**	**3700**	**13.5**	**189**	**na**	**0.3**	**1**	**1.22**	**4.59**	**40**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**10.5**	**na**	**11.2**	**0.82**	**13800**	**19.7**	**543**	**na**	**0.3**	**1**	**0.73**	**19.7**	**60.2**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**5000**[d]	**3400**	**45400**	**13700**	**100000**	**800**	**48400**	**100000**	**5680**	**5680**	**74.9**	**1140**	**100000**
CA02-00-0321	02-01249	0.0–0.5	SED	—[e]	—	—	—	—	37	NA[f]	13	NA	—	22	—	NA	—	1.1	—	—	68 (J+)
RE02-07-2052	02-600481	0.0–0.5	ALLH	—	—	—	—	0.53 (U)	29	—	—	—	—	—	—	1.97	1.59 (U)	—	1.06 (U)	—	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	—	—	0.516 (U)	22.4	1.1	—	—	—	—	—	—	10	—	—	—	—
RE02-07-2055	02-600481	8.5–13.5	QAL	—	—	—	—	0.553 (U)	104	1.12	—	—	—	—	—	—	10.2	—	—	—	—
RE02-07-2054	02-600481	13.5–16.0	QBO	11600	0.53 (UJ)	1.25 (J)	29.3	0.66 (U)	36.6	0.196	9	—	7520	—	233 (J-)	—	10.7	—	—	6.77	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—	2.39	1.69 (U)	—	—	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	—	0.501 (U)	—	0.151	—	—	—	—	—	—	2.01	—	—	—	52.6
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	—	0.526 (U)	30.9 (U)	—	230	—	—	22.4	—	—	—	—	—	—	78.9 (J)
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	—	0.559 (U)	—	—	68.6	—	—	—	—	—	—	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	6610	—	1.79 (U)	—	0.596 (U)	—	—	—	—	5770	—	194	—	1.79 (U)	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	—	—	—	—	34.6	—	—	—	—	—	—	0.937 (J)	1.53 (U)	—	—	—	60.1
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	—	—	0.531 (U)	40.4	—	—	—	—	—	—	0.983	9.15	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	—	0.569 (U)	20	—	—	—	—	—	—	—	8.84	—	—	—	—
RE02-07-2062	02-600483	13.5–16.0	QBO	11200	0.534 (UJ)	1.95 (U)	—	0.651 (U)	5.62	—	—	—	5610	—	230 (J-)	—	8.59	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	0.723 (J-)	—	—	—	1.22	1.56 (U)	—	—	—	62.1
RE02-07-2065	02-600484	2.0–2.7	QAL	—	—	—	—	0.516 (U)	40.5	—	19.3	—	—	57.7	—	1.24	2.56 (U)	—	—	—	69.9

Note: All values in mg/kg.

[a] BVs are from LANL 1(998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.19-2
Summary of Organic Chemicals Detected at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-2052	02-600481	0.0–0.5	ALLH	—[c]	—	—	0.1	—	0.0941 (J)	0.0164 (J)	—	0.0131 (J)	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	0.0086	0.0114	—	—	—	—	—	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	0.0646	0.109	—	—	—	—	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	0.0034 (J)	—	—	—	—	—	—
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	0.0027 (J)	—	—	—	—	—	—
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	0.0047	—	—	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	—	0.058	0.0944	0.0242 (J)	0.0976 (J)	0.0392 (J)	0.032 (J)	—	0.164 (J)
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	0.0078	0.009	—	—	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	0.0045 (J)	—	—	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	0.021 (J)	0.0368	0.186	0.246	0.096	0.0926	0.144	—	—	—
RE02-07-2065	02-600484	2.0–2.7	QAL	—	0.0238 (J)	0.139	0.222	0.129	0.118	0.162	—	0.0659	—

Table 2.19-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Phenanthrene	Pyrene	Styrene	Toluene
Industrial SSLs[a]				**2310**	**24400**	**26500**	**23.4**	**490**	**20500**	**30900**	**100**	**252**
RE02-07-2052	02-600481	0.0–0.5	ALLH	0.0157 (J)	0.0247 (J)	—	—	NA[d]	—	0.0335 (J)	NA	NA
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	—	—	NA	—	—	NA	NA
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	—	NA	—	—	NA	NA
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	—	0.00295 (J)	—	—	—	—
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	—	0.00306 (J)	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	—	—	—	—	0.00385 (J)	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	0.026 (J)	0.0442	—	0.0542 (J)	NA	0.0237 (J)	0.041	NA	NA
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	0.12	0.254	0.0178 (J)	0.104	NA	0.165	0.216	NA	NA
RE02-07-2065	02-600484	2.0–2.7	QAL	0.138	0.242	—	0.118	—	0.107	0.267	0.00589	0.000665 (J)

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

Table 2.19-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**0.054**	**na[c]**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**0.18**
SED BV/FV[b]				**0.9**	**0.068**	**0.093**	**0.2**
Industrial SALs[d]				**23**	**210**	**440000**	**87**
CA02-00-0321	02-01249	0.0–0.5	SED	—[e]	1.87	0.257143 (J+)	—
RE02-07-2052	02-600481	0.0–0.5	ALLH	—	0.216	—	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	0.0634 (J-)	0.0733034	—
RE02-07-2054	02-600481	13.5–16.0	QBO	—	—	—	0.213
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	0.135	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	0.64	—	—
RE02-07-2057	02-600482	4.5–7.0	QAL	—	0.069	0.0190657	—
RE02-07-2059	02-600482	7.0–9.5	QAL	0.155	0.142	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	0.323	0.0286442	—
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	0.0558085	—
RE02-07-2063	02-600483	8.5–13.5	QAL	0.353	0.128 (J-)	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	—	0.819	—	—
RE02-07-2065	02-600484	2.0–2.7	QAL	0.313	0.573	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.20-1
Summary of Inorganic Chemicals above BV at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na[b]**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**15400**	**3.98**	**127**	**0.4**	**10.5**	**11.2**	**13800**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
CA02-00-0168	02-01253	0.0–0.5	SED	—[e]	—	—	—	—	17 (J+)	—	—	0.25	—	NA[f]	—	—	1.8	21 (J+)	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	—	—	0.625 (U)	—	—	—	—	—	—	1.2 (J-)	—	—	—	—	65.3
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.00168 (J+)	2.43	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	—	30.7	18.6 (J)	—	—	0.138	—	1.87 (J-)	—	1.82	—	—	80.7
RE02-07-2839	02-600625	16.5–21.0	QBO	5950 (J+)	1.79 (U)	34.1	0.598 (U)	66.7	7.84 (J)	9230 (J)	293 (J)	—	4.91	—	—	1.1 (J)	—	7.2	—
RE02-07-2841	02-600626	0.0–0.5	ALLH	—	—	—	0.508 (U)	—	22.5	—	—	3.46	—	—	0.000606 (J+)	2.77	—	—	—
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.54 (U)	—	—	—	—	0.326	—	—	—	—	—	—	—
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	—	0.566 (U)	—	—	—	—	—	—	—	—	—	—	—	52.7
RE02-07-2844	02-600626	13.5–18.5	QBO	—	1.65 (J)	—	0.572 (U)	19.2 (J)	—	9070	419 (J-)	—	4.16	—	—	1.72 (U)	—	8.23 (J)	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	—	—	0.517 (U)	—	—	—	—	0.273	—	0.858 (J-)	—	2.54	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.20-2
Summary of Organic Chemicals Detected at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**2310**
CA02-00-0168	02-01253	0.0–0.5	SED	—[c]	—	NA[d]	NA	—	—	—	—	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	0.0137 (J)	—	0.0158	0.0858	0.0911	0.18	0.0513	0.0997
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	—	—	0.0098 (J)	—	—	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	0.002 (J)	—	—	—	—	—
RE02-07-2841	02-600626	0.0–0.5	ALLH	0.118	—	0.0788	0.0872	0.682	0.559 (J)	1.09 (J)	0.16 (J)	0.617
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.0018 (J)	—	—	—	—	—
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	0.0029 (J)	0.0025 (J)	—	—	—	—	—
RE02-07-2844	02-600626	13.5–18.5	QBO	—	—	—	0.0049 (J)	—	—	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	0.00914 (J)	—	0.0084 (J)	0.0422	0.0674	0.0739	—	0.0687

Table 2.20-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**24400**	**26500**	**23.4**	**389[e]**	**300[f]**	**300**	**20500**	**30900**	**252**
CA02-00-0168	02-01253	0.0–0.5	SED	0.11 (J)	—	—	NA	—	—	—	0.1 (J)	NA
RE02-07-884	02-600210	0.0–0.5	ALLH	0.193	—	0.049	NA	—	—	0.0871	0.167	NA
RE02-07-2837	02-600625	0.0–0.5	ALLH	0.0233 (J)	—	—	NA	—	—	0.0109 (J)	0.0227 (J)	NA
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	—	—	—	—	—	0.000475 (J)
RE02-07-2841	02-600626	0.0–0.5	ALLH	1.12	0.0513	0.153 (J)	NA	0.00892 (J)	0.0271 (J)	0.648	1.38	NA
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.0029	—	—	—	—	0.000516 (J)
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2844	02-600626	13.5–18.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	0.05	—	0.0194 (J)	NA	—	—	0.0199 (J)	0.0621	NA

Note: All values in mg/kg.
[a] Pyrene used as a surrogate.
[b] All values from NMED (2006, 092513) unless otherwise noted.
[c] — = Analyte not detected.
[d] NA = Not analyzed.
[e] Isopropylbenzene used as a surrogate.
[f] Naphthalene used as a surrogate.

Table 2.20-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**0.18**
SED BV/FV[b]				**0.9**	**0.068**	**1.04**	**0.093**	**0.2**
Industrial SALs[d]				**23**	**210**	**1900**	**440000**	**87**
0402-95-0319	02-01154	0.0–1.0	ALLH	—[e]	0.12	—	0.11072	—
CA02-00-0167	02-01252	0.0–0.5	SED	—	0.275 (J-)	—	—	—
CA02-00-0168	02-01253	0.0–0.5	SED	—	0.808	—	—	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	0.556 (J-)	—	—	—
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	0.161	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	0.485	0.0685 (J-)	0.388	—	—
RE02-07-2839	02-600625	16.5–21.0	QBO	—	—	—	—	0.236
RE02-07-2842	02-600626	4.5–8.0	QAL	0.321	0.0573	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	0.15	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.
[b] BVs/FVs are from LANL (1998, 059730).
[c] na = Not available.
[d] All values from LANL (2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.21-1
Summary of Inorganic Chemicals above BV at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**0.5**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**13700**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
CA02-00-0293	02-01245	14.5–15.5	QBT3	—[e]	—	—	—	—	15 (J)	NA[f]	NA	—	—	—	—	—	NA	NA	0.36 (J)	—	—
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	—	—	—	17400	—	—	—	—	—	—	0.176	—	1.04	—	—	—	56.1
RE02-07-2787	02-600614	1.5–3.7	QAL	—	—	—	0.517 (U)	—	—	—	—	—	—	—	0.279	—	3.55	0.000961 (J)	—	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	0.528 (U)	—	75.5 (J)	0.083 (J)	—	—	53.2	—	—	—	1.34	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	0.559 (U)	—	—	0.0835 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2789	02-600614	15.0–19.2	QBO	8540	1.3 (J)	38.3	0.582 (U)	—	10.6 (J)	0.0648 (J)	—	5850	—	228	—	5.06	—	—	1.39 (J)	—	—
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.512	—	1.23	—	—	—	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.374	—	0.984 (J)	—	—	—	—
RE02-07-2794	02-600615	16.5–18.7	QBO	6140	1.3 (J)	47.4	0.557 (U)	—	29.1 (U)	0.179 (J-)	—	6490	—	567	—	6.33 (U)	1.34	—	1.67 (U)	6.17	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	—	—	0.586	—	—	—	—	—	—	—	1.75	—	1.48	—	1.85	—	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	—	—	0.533 (U)	—	—	0.156 (J)	—	—	—	—	—	—	1.04 (J)	—	1.6 (U)	—	—
RE02-07-2798	02-600616	11.5–13.7	QAL	—	—	—	0.53 (U)	—	—	—	—	—	—	—	—	—	—	—	1.59 (U)	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	0.495 (U)	—	—	NA	—	—	—	—	1.55	—	1.49	0.00104 (J)	—	—	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	0.483 (J)	—	—	NA	—	—	—	—	—	—	—	—	1.67 (U)	—	—
RE02-07-2803	02-600617	11.5–13.0	QAL	—	—	—	0.572 (U)	—	—	NA	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.595	—	1.53	0.00104 (J)	—	—	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	—	—	0.517 (U)	—	—	NA	—	—	—	—	0.26	—	1.12	—	—	—	—
RE02-07-2806	02-600618	11.5–14.1	QAL	—	—	—	0.55 (U)	—	—	NA	—	—	—	—	—	—	—	0.0033	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	—	—	0.773	—	—	—	—	—	—	—	0.386	—	—	0.000672 (J)	1.54 (U)	—	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	0.532 (U)	—	—	—	—	—	—	—	—	—	1.57	—	1.6 (U)	—	—
RE02-07-2809	02-600619	11.5–13.6	QAL	—	—	—	0.528 (U)	—	—	—	—	—	—	—	—	—	1.04 (J)	0.0017 (J)	1.58 (U)	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	0.49 (U)	—	—	NA	—	—	—	—	—	—	2.92	—	1.94	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	—	—	0.511 (U)	—	—	NA	—	—	—	—	—	—	1.78	0.00112 (J)	2.01	—	—
RE02-07-2812	02-600620	11.5–13.9	QAL	—	—	—	0.521 (U)	—	—	NA	—	—	—	—	—	—	—	—	1.55 (J)	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.613	—	—	0.0011 (J+)	—	—	—
RE02-07-2814	02-600621	1.5–3.7	QAL	—	—	—	0.512 (U)	—	—	NA	—	—	—	—	0.22 (J)	—	0.851 (J-)	—	2.09	—	—
RE02-07-2815	02-600621	11.5–13.4	QAL	—	—	—	0.544 (U)	—	—	NA	—	—	—	—	—	—	—	0.00142 (J+)	2.14	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.192	—	—	0.000779 (J+)	1.56 (U)	—	—
RE02-07-2817	02-600622	1.5–2.0	QAL	—	—	—	0.495 (U)	—	—	NA	—	—	—	—	—	—	1.2	0.000642 (J+)	—	—	—

Table 2.21-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 BV[a]				**7340**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**0.5**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**13700**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
RE02-07-2818	02-600622	11.5–15.0	QAL	—	—	—	0.521 (U)	—	—	NA	—	—	—	—	—	—	—	0.0016 (J+)	2.86	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	—	—	0.48 (J)	—	—	NA	0.502 (U)	—	—	—	0.128	—	—	0.000603 (J+)	1.54 (U)	—	—
RE02-07-2820	02-600623	1.5–3.8	QAL	—	—	—	—	—	—	NA	—	—	—	—	0.115 (J)	—	0.971 (J-)	0.000665 (J+)	2.14	—	—
RE02-07-2821	02-600623	11.5–13.9	QAL	—	—	—	0.518 (U)	—	22.2	NA	—	—	—	—	—	—	—	0.00279 (J+)	2.13	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	—	0.511 (U)	—	—	NA	—	—	—	—	—	—	1.98	0.0019 (J+)	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	0.547 (U)	—	—	NA	—	—	—	—	—	—	1.87	0.000663 (J)	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.21-2
Summary of Organic Chemicals Detected at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene	Di-n-butylphthalate
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**	**68400**
RE02-07-2786	02-600614	0.0–0.5	ALLH	—[c]	0.0176 (J)	—	0.0291	0.0488	0.086	0.0878 (J)	0.164 (J)	0.0981 (J)	0.0555 (J)	0.111	—
RE02-07-2787	02-600614	1.5–3.7	QAL	—	—	—	—	0.0272 (J)	—	—	—	—	—	—	0.0385 (J)
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2789	02-600614	15.0–19.2	QBO	—	—	—	—	—	—	—	—	—	—	—	0.0545 (J)
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	—	—	0.0177 (J-)	0.0405 (J-)	—	0.0193 (J)	0.0223 (J)	—	—	0.0136 (J)	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	—	—	0.0314	0.0536	—	—	0.0335 (J)	—	0.011 (J)	0.0256 (J)	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	0.0185 (J)	—	0.0581 (J-)	0.118 (J-)	—	0.0676 (J)	0.102 (J)	0.0286 (J)	—	0.0685	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	—	—	0.0056	0.0076	—	—	—	—	—	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	—	0.057	—	0.0225 (J)	0.0236 (J)	—	—	0.0161 (J)	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	0.0734	0.0412	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	0.0156 (J-)	0.0195 (J)	—	0.0238 (J-)	0.0549 (J-)	—	0.0417 (J)	0.0604 (J)	—	—	0.0348 (J)	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	0.00877 (J)	—	—	0.0401	0.0331 (J)	—	—	—	—	0.0277 (J)	0.0421 (J)
RE02-07-2807	02-600619	0.0–0.5	ALLH	0.0805	0.239	—	0.0308 (J)	0.0745	0.588	0.562	0.764	0.312	—	0.615	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	—	0.0022 (J-)	—	—	—	—	—	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	—	—	0.0144 (J-)	0.0059 (J-)	—	0.0154 (J)	0.0236 (J)	—	—	0.0179 (J)	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	—	—	0.0301	0.077	—	—	—	—	—	0.0195 (J)	—
RE02-07-2814	02-600621	1.5–3.7	QAL	0.0165 (J)	0.0241 (J)	—	0.0232	0.0386	0.069	0.0963	0.137	0.0432	—	0.0887	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	—	—	0.0109 (J)	0.0207	—	—	0.0293 (J)	—	—	0.0213 (J)	—
RE02-07-2817	02-600622	1.5–2.0	QAL	—	—	—	0.0052	0.0071	—	—	—	—	—	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	—	—	0.0157 (J)	0.04	—	—	0.0311 (J)	—	—	0.0287 (J)	—
RE02-07-2820	02-600623	1.5–3.8	QAL	—	—	—	—	0.0205 (J)	0.012 (J)	—	0.0179 (J)	—	—	0.0116 (J)	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	0.0059	0.006	0.0042	—	—	—	—	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	0.0043	0.0035 (J)	—	—	—	—	—	—	—

Table 2.21-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial SSLs[b]				**103**	**24400**	**26500**	**23.4**	**389**[d]	**300**[e]	**300**	**20500**	**30900**	**100**	**252**	**82**
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	0.211	—	0.119 (J)	NA[f]	—	—	0.0893	0.198	NA	NA	NA
RE02-07-2787	02-600614	1.5–3.7	QAL	—	0.0215 (J)	—	—	—	—	—	0.0152 (J)	0.0207 (J)	—	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000302 (J)
RE02-07-2789	02-600614	15.0–19.2	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	0.0209 (J)	—	—	NA	—	—	0.0168 (J)	0.0283 (J)	NA	NA	NA
RE02-07-2792	02-600615	1.5–3.5	QAL	—	0.0418	—	—	—	—	—	0.027 (J)	0.0372	0.00111	0.000533 (J)	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	0.129	—	0.019 (J)	NA	—	—	0.0898	0.134	NA	NA	NA
RE02-07-2797	02-600616	1.5–3.6	QAL	0.000595 (J)	—	—	—	—	—	—	—	—	—	0.000775 (J)	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	0.0248 (J)	—	—	NA	—	—	0.0181 (J)	0.0268 (J)	NA	NA	NA
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	0.0641	0.0129 (J)	—	NA	0.00756 (J)	0.0121 (J)	0.079	0.0803	NA	NA	NA
RE02-07-2805	02-600618	1.5–3.3	QAL	—	0.0556	—	—	—	—	—	0.0422	0.0545	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	1.4	0.0834	0.293	NA	—	0.0122 (J)	0.987	1.53	NA	NA	NA
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	—	NA	—	—	—	—	NA	NA	NA
RE02-07-2811	02-600620	1.5–2.5	QAL	—	0.0326 (J)	—	—	—	—	—	—	0.0268 (J)	—	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	0.0442	—	—	NA	—	—	0.021 (J)	0.0468	NA	NA	NA
RE02-07-2814	02-600621	1.5–3.7	QAL	—	0.158	0.0144 (J)	0.0366	—	—	—	0.114	0.156	—	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	0.0463	—	—	NA	—	—	0.026 (J)	0.0536	NA	NA	NA
RE02-07-2817	02-600622	1.5–2.0	QAL	0.000213 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	0.075	—	—	NA	—	—	0.0139 (J)	0.0804	NA	NA	NA
RE02-07-2820	02-600623	1.5–3.8	QAL	—	0.0223 (J)	—	—	—	—	—	—	0.0181 (J)	—	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	0.0141 (J)	—	—	NA	—	—	—	0.0143 (J)	NA	NA	NA
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	—	0.0034	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Isopropylbenzene used as a surrogate.

[e] Naphthalene used as a surrogate.

[f] NA = Not analyzed.

Table 2.21-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**1500**	**87**
CA02-00-0290	02-01245	4.0–5.0	ALLH	0.0805	7.15	—[e]	1.19	4.31	0.0268723	—	—
CA02-00-0291	02-01245	5.0–8.0	ALLH	—	5.45	—	0.136	4.49	0.0454945	—	—
CA02-00-0292	02-01245	10.0–11.5	ALLH	—	4.43	—	0.0882 (J-)	7.48	0.0407727	5.68	0.244 (J-)
CA02-00-0293	02-01245	14.5–15.5	QBT3	—	0.394	—	0.0432	0.486	0.0265055	3.53	0.125 (J-)
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	—	0.162	—	—	0.0328342	—	—
RE02-07-2787	02-600614	1.5–3.7	QAL	—	1.14	—	—	0.61	0.108673	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	0.638	—	—	0.223	0.0491271	—	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	3.98	—	0.0925 (J-)	1.65	—	—	—
RE02-07-2794	02-600615	16.5–18.7	QBO	—	1.68	—	—	—	—	—	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	1.74	—	—	—	0.0421242	—	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	6.61	—	0.0947	2.18	0.0520993	—	—
RE02-07-2798	02-600616	11.5–13.7	QAL	—	—	—	—	0.818	0.0191283	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	—	—	0.0284811	—	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	1.21	—	—	0.493	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	2.29	—	0.0583	—	—	—	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	1.53	—	—	—	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	3.98	—	0.0909	—	—	—	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	0.941	—	—	0.358	—	—	—
RE02-07-2809	02-600619	11.5–13.6	QAL	—	—	—	—	—	0.136267	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	3.8	—	0.0454	0.36	—	—	—
RE02-07-2812	02-600620	11.5–13.9	QAL	—	—	—	—	—	0.0760542	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	2.87	—	—	—	—	—	—
RE02-07-2814	02-600621	1.5–3.7	QAL	—	7.74	—	—	1.3	—	—	—
RE02-07-2815	02-600621	11.5–13.4	QAL	—	—	—	—	—	0.0675835	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	7.69	—	—	5.86	—	12.8	0.901
RE02-07-2817	02-600622	1.5–2.0	QAL	—	3.57	—	—	2.25	—	3.69	0.247
RE02-07-2818	02-600622	11.5–15.0	QAL	—	0.624	—	—	—	0.0778023	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	5.62	—	—	3.67	—	—	—

Table 2.21-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
Industrial SALs[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**1500**	**87**
RE02-07-2820	02-600623	1.5–3.8	QAL	—	14	—	—	29.3	0.00630382	—	—
RE02-07-2821	02-600623	11.5–13.9	QAL	—	—	—	—	0.433	0.0669414	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	—	0.102 (J-)	—	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	0.196	—	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.23-1
Summary of Inorganic Chemicals above BV at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**
CA02-00-0304	02-01246	37.5–39.0	QBT3	18000 (J-)	—[e]	—	180	—	—	—	NA[f]	—	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	0.543 (U)	—	—	0.0652 (J)	—	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	0.547 (U)	—	—	0.111	—	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.15	—	NA
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	—	—	—	—	0.0895 (J)	—	NA
RE02-03-51903	02-22390	4.5–5.0	ALLH	—	—	—	—	0.541 (U)	—	—	—	—	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	—	—	—	0.588	21680	—	0.26	—	NA
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	—	—	—	—	—	—	—	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	8040	—	NA	—	—
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	0.532 (U)	—	—	NA	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	11600	—	2.18	93.3	0.629 (U)	—	8	NA	4.3 (U)	—
RE02-07-6829	02-600628	19.5–22.0	QBO	25800 (J)	0.593 (U)	1.38 (J)	254 (J+)	0.764 (U)	—	8.05	NA	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	—	—	370	0.551	—	—	NA	22.2	—
RE02-07-2862	02-600629	4.5–6.2	QAL	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-2865	02-600629	9.5–12.0	QAL	—	—	—	—	0.564 (U)	—	—	NA	—	—
RE02-07-2864	02-600629	14.5–19.5	QBO	10100	—	1.08 (J)	71	0.591 (U)	—	14	NA	4.18	—
RE02-07-6830	02-600629	19.5–22.0	QBO	6610	0.556 (UJ)	2.04 (U)	34.3	0.682 (U)	—	21.8	NA	—	0.847
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	—	—	447	5.6	—	—	NA	—	—
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2875	02-600631	13.5–18.5	QBO	11600	—	1.7 (U)	52	0.566 (U)	—	17.5	NA	4.21	—
RE02-07-6831	02-600631	24.0–26.5	QBO	5320	0.524 (UJ)	2.03 (U)	—	0.677 (U)	—	17.7	NA	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	6.17
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-2879	02-600632	16.0–20.0	QBO	8680	—	0.627 (J)	—	—	—	58.7	NA	—	—
RE02-07-2880	02-600632	26.0–29.0	QBO	6050	—	1.83 (U)	—	—	—	3.86	NA	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	—	—	NA	—	—

Table 2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-2885	02-600633	10.5–13.2	QAL	—	—	—	—	0.537 (U)	—	22.4	NA	—	—
RE02-07-2884	02-600633	15.0–17.9	QBO	10700	—	2.03	62.5	0.563 (U)	—	15.5	NA	—	—
RE02-07-2883	02-600633	19.5–24.5	QBO	9830	—	0.837 (J)	—	0.63 (U)	—	6.41	NA	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	—	—	—	0.473 (J)	—	—	NA	—	—
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2889	02-600634	14.0–19.0	QBO	12800	—	1.14 (J)	60	—	—	54.4	NA	10.5	—
RE02-07-6832	02-600634	19.5–22.0	QBO	6200 (J+)	0.515 (U)	1.89 (U)	—	0.629 (U)	—	4.79 (J+)	NA	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	—	—	—	0.578	—	—	NA	—	14.4
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	0.548 (U)	—	—	NA	—	—
RE02-07-2894	02-600635	14.0–20.0	QBO	3660	—	2.08	—	0.632 (U)	—	7.41	NA	—	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	—	—	—	0.46 (J)	—	—	NA	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-2899	02-600636	15.0–19.5	QBO	11200 (J+)	—	1.76 (U)	35.9	0.586 (U)	—	7.49	NA	—	—
RE02-07-6833	02-600636	19.5–24.0	QBO	7470 (J+)	—	1.91 (U)	—	0.637 (U)	—	6.39 (J+)	NA	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2905	02-600637	13.0–18.0	QAL	—	—	—	—	—	—	29.5	NA	—	—
RE02-07-2904	02-600637	18.3–21.0	QBO	16300	—	1.53 (J)	134	—	—	7.73	NA	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	—	—	—	—	0.435 (J)	—	—	NA	—	—
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	0.537 (U)	—	—	NA	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	0.572 (U)	—	—	NA	—	—
RE02-07-2909	02-600638	18.0–20.0	QBO	7880	0.507 (UJ)	1.21 (U)	—	0.639 (U)	—	13.1	NA	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	4150	0.526 (UJ)	1.99 (U)	—	0.662 (U)	—	3.13	NA	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	—	—	413	1.01	—	—	NA	32.6	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	—	—	0.462 (J)	—	—	NA	20.5 (U)	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-2914	02-600639	14.1–17.5	QBO	12800	—	0.727 (J)	39.1	0.645 (U)	—	5.59	NA	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	5930	—	1.81 (U)	—	0.605 (U)	—	26.4	NA	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—

Table 2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 BV[a]				**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial SSLs [c]				**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	—	—	—	—	NA	—	0.34 (UJ)	—	—
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	0.157	—	NA	0.117	—	—	—
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51903	02-22390	4.5–5.0	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	134	—	0.218	—	NA	0.0244 (J)	—	—	152
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	60.1	—	0.116	—	NA	0.0547	—	—	55.5
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	—	1.06	—	1.53 (U)	—	—
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	—	—	—	1.6 (U)	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	10300	—	493	—	3.64	—	—	1.89 (U)	9.19	—
RE02-07-6829	02-600628	19.5–22.0	QBO	9120	—	327	—	3.9	—	—	1.77 (J)	4.97	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	—	—	—	—	1	—	8.72	—	53.9
RE02-07-2862	02-600629	4.5–6.2	QAL	—	—	—	—	—	1.4	—	7.46	—	—
RE02-07-2865	02-600629	9.5–12.0	QAL	—	—	—	—	—	—	—	6.83	—	—
RE02-07-2864	02-600629	14.5–19.5	QBO	6680	—	200 (J-)	—	3.37	—	—	9.31	7.57	—
RE02-07-6830	02-600629	19.5–22.0	QBO	6540	—	234	—	2.1	—	—	6.65	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	30.2	—	0.246	—	1.33	—	—	—	51.9
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	—	—	—	—	—	1.67 (U)	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	—	0.512	—	—	—	—	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	—	—	—	1.92 (J-)	—	—	—	—
RE02-07-2875	02-600631	13.5–18.5	QBO	6500	—	280 (J+)	—	3.11	—	—	0.618 (J)	5.03	—
RE02-07-6831	02-600631	24.0–26.5	QBO	5330	—	213	—	2.53	—	—	5.56	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	—	—	0.132	—	—	—	—	—	—
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	1.23	—	—	—	—
RE02-07-2879	02-600632	16.0–20.0	QBO	6190	—	249 (J+)	—	3.02	—	—	0.689 (J)	4.87	—
RE02-07-2880	02-600632	26.0–29.0	QBO	6230	—	264 (J+)	—	—	—	—	0.915 (J)	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	22.8	—	0.176	—	9.77	—	—	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	3.23 (J-)	0.0046	—	—	—
RE02-07-2885	02-600633	10.5–13.2	QAL	—	—	—	—	—	4.1 (J-)	—	—	—	—
RE02-07-2884	02-600633	15.0–17.9	QBO	6860	—	361	—	7.96	—	—	0.614 (J)	5.38	—
RE02-07-2883	02-600633	19.5–24.5	QBO	5920	—	220	—	3.7	—	—	1.89 (U)	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	—	—	0.556	—	—	—	1.66 (U)	—	63

Table 2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 BV[a]				**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial SSLs [c]				**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	1.13	—	1.57 (U)	—	—
RE02-07-2889	02-600634	14.0–19.0	QBO	7700	—	336	—	6.65	—	—	1.79 (U)	5.97	—
RE02-07-6832	02-600634	19.5–22.0	QBO	5360	—	218	—	2.27	1.36 (J-)	—	7.32	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	—	—	0.429	—	1.65 (J-)	—	—	—	—
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	—	—	0.00169 (J)	—	—	—
RE02-07-2894	02-600635	14.0–20.0	QBO	8740	—	367	—	3.16	9.7	—	1.9 (U)	8.52 (J)	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	—	—	0.141	—	4.91 (J-)	—	—	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	2.19 (J-)	—	1.64 (U)	—	—
RE02-07-2899	02-600636	15.0–19.5	QBO	7190 (J)	—	226 (J)	—	—	1.12 (J-)	0.000839 (J)	1.76 (U)	—	—
RE02-07-6833	02-600636	19.5–24.0	QBO	5700	—	206	—	2.08	—	—	7.93	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	—	—	—	—	2.36 (J-)	—	1.65	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	1.38 (J+)	—	1.57 (U)	—	—
RE02-07-2905	02-600637	13.0–18.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2904	02-600637	18.3–21.0	QBO	6000	—	240	—	2.35	—	—	1.61 (U)	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	—	—	—	0.341	—	1.28	—	—	—	62.3
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	1.38	—	1.61 (U)	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2909	02-600638	18.0–20.0	QBO	6490	—	—	—	—	—	—	0.745 (J)	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	5310 (J+)	—	229	—	—	—	—	6.24	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	—	—	—	—	0.849 (J)	—	2.18	—	52.4
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	—	—	—	—	—	1.71	—	50.3
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2914	02-600639	14.1–17.5	QBO	6150	—	190	—	—	1.03 (J-)	—	1.93 (U)	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	6470	—	—	—	15.1	0.886 (J-)	—	1.81 (U)	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	—	—	—	—	1.66	—	—	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	22.9	—	0.201	—	1.66	—	—	—	61.4

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.23-2
Summary of Organic Chemicals Detected at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**
CA02-00-0301	02-01246	7.5–9.5	ALLH	—[c]	NA[d]	—	NA	NA	NA	—	—	—	—	—	0.33 (J)	NA
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	NA	—	NA	NA	NA	—	—	—	—	—	0.12 (J)	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0534 (J)	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0558 (J)	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	0.0161 (J)	NA	0.0248 (J)	NA	NA	NA	—	—	—	0.118	—	0.0429 (J)	NA
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0353 (J)	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	NA	—	—	0.1	0.291	—	—	—	—	—	—	NA
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	0.0049	0.0107	—	—	—	—	—	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—	—
RE02-07-6829	02-600628	19.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	0.0242 (J)	NA	0.0304 (J)	—	—	—	0.064	0.109	0.0851	0.0411	0.0311 (J)	—	NA
RE02-07-6830	02-600629	19.5–22.0	QBO	—	0.0039 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	NA	0.0387	—	—	0.0503	0.13	0.146	0.182	0.0601	0.0774	—	NA
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	0.0013 (J)	—	—	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	NA	—	—	—	0.0137 (J)	—	—	0.0698	—	—	—	NA
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	0.0158 (J)	—	—	—	0.0318 (J)	0.0234 (J)	0.0419	—	—	—	0.000219 (J)
RE02-07-6831	02-600631	24.0–26.5	QBO	—	0.00815 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	NA	0.00735 (J)	—	—	0.0206 (J)	—	—	0.0328 (J)	—	—	—	NA
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	0.0051	—	—	—	—	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	0.0374	NA	0.0565	—	—	0.0284 (J)	0.141	0.2 (J)	0.3 (J)	0.105 (J)	—	—	NA
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	0.0037	—	0.0201 (J)	0.0205 (J)	—	—	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	NA	0.0158 (J)	—	—	0.0924	0.057	0.0673	0.0729	0.0364 (J)	0.0514	—	NA
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	0.0045	—	—	—	—	—	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	NA	—	—	—	0.0415	0.025 (J)	0.105	0.0507	0.0504 (J)	—	—	NA
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	NA	—	—	—	0.0285 (J)	0.0189 (J)	—	—	—	—	—	NA
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	NA	—	—	0.0191 (J-)	0.0133 (J-)	—	—	—	—	—	—	NA
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	0.0066	0.0051	—	—	—	—	—	—	—	—

Table 2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform
Industrial SSLs[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**
RE02-07-2904	02-600637	18.3–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	0.0188 (J)	NA	0.0284 (J)	—	—	0.0567	0.0877	0.158	0.14	0.0562 (J)	—	—	NA
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	0.0027 (J)	—	—	—	—	—	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	0.0221 (J)	—	—	—	0.14	0.0961	—	0.0482	0.0621	—	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	0.0121 (J)	NA	0.0185 (J)	—	0.0789	0.0981	0.0567	0.0607 (J)	0.0986 (J)	0.0575 (J)	—	—	NA
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	NA	0.02 (J)	—	0.199	0.329	0.105	0.116	0.206	0.0591	—	—	NA

Table 2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**2310**	**68400**	**24400**	**26500**	**23.4**	**389**	**389**[e]	**490**	**300**[f]	**300**	**20500**	**30900**	**252**
CA02-00-0301	02-01246	7.5–9.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	0.0723	—	0.115	0.0139 (J)	—	NA	NA	NA	—	—	0.0976	0.0944	NA
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	—	0.0472	0.0045 (J)	—	NA	NA	NA	—	—	0.0289 (J)	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	0.0153 (J)	NA
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6829	02-600628	19.5–22.0	QBO	—	—	—	—	—	—	—	0.00406 (J)	—	—	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	0.0657	—	0.124	0.0188 (J)	0.16	NA	NA	NA	0.0121 (J)	0.0183 (J)	0.125	0.116	NA
RE02-07-6830	02-600629	19.5–22.0	QBO	—	—	—	—	—	—	0.000499 (J)	0.00341 (J)	—	—	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	0.14	—	0.257	0.0221 (J)	—	NA	NA	NA	0.00715 (J)	—	0.0116 (J)	0.231	NA
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	0.0434	—	0.0602	—	—	NA	NA	NA	—	—	0.0252 (J)	0.066	NA
RE02-07-2872	02-600631	4.5–8.5	QAL	0.0233 (J)	—	0.0721	—	—	—	—	—	—	—	0.0662	0.0573	—
RE02-07-6831	02-600631	24.0–26.5	QBO	—	—	—	—	—	—	—	0.00329 (J)	—	—	—	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	0.0213 (J)	0.983	0.0443	—	—	NA	NA	NA	—	—	—	0.0375	NA
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	0.166	—	0.24	0.0293 (J)	0.165 (J)	NA	NA	NA	0.00992 (J)	0.022 (J)	0.222	0.315	NA
RE02-07-2882	02-600633	4.5–6.8	QAL	0.0136 (J)	—	0.0174 (J)	—	—	—	—	—	—	—	0.0154 (J)	0.0236 (J)	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	0.0691	—	0.11	—	0.0306 (J)	NA	NA	NA	—	—	0.0662	0.113	NA
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	0.0248 (J)	—	0.0303 (J)	—	0.064	NA	NA	NA	—	—	0.0179 (J)	0.0352	NA
RE02-07-2896	02-600636	0.0–0.5	ALLH	0.0141 (J)	—	0.0312 (J)	—	—	NA	NA	NA	—	—	—	0.0245 (J)	NA
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.000417 (J)
RE02-07-2901	02-600637	0.0–0.5	ALLH	0.0192 (J)	—	0.0284 (J)	—	—	NA	NA	NA	—	—	—	0.023 (J)	NA
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	—	—	0.00213 (J)	—	—	—	—	0.000372 (J)
RE02-07-2904	02-600637	18.3–21.0	QBO	—	—	—	—	—	0.000763 (J)	—	0.00415 (J)	—	—	—	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	0.0797	—	0.126	0.0145 (J)	0.0951	NA	NA	NA	0.00701 (J)	0.0169 (J)	0.105	0.167	NA
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.00042 (J)
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial SSLs[b]				**2310**	**68400**	**24400**	**26500**	**23.4**	**389**	**389**[e]	**490**	**300**[f]	**300**	**20500**	**30900**	**252**
RE02-07-2912	02-600639	4.5–6.4	QAL	0.154	—	0.397	—	0.0498	—	—	—	—	—	0.0945	0.238	0.000593 (J)
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	0.0767	—	0.117	—	0.0344 (J)	NA	NA	NA	—	—	0.099	0.14	NA
RE02-07-2921	02-600641	0.0–0.5	ALLH	0.121	0.0381 (J)	0.198	—	0.0452	NA	NA	NA	—	—	0.105	0.222	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table 2.23-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial SALs[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**87**	**430**
CA02-00-0300	02-01246	0.0–1.0	ALLH	—[e]	11.3	0.223	7.22	—	—	—	—
CA02-00-0301	02-01246	7.5–9.5	ALLH	0.0686	0.123	—	3.25	0.131538	—	—	—
CA02-00-0302	02-01246	17.5–18.5	ALLH	—	—	—	—	0.036087	—	—	—
CA02-00-0303	02-01246	34.5–36.5	ALLH	—	—	—	—	0.0470455	—	—	—
CA02-00-0304	02-01246	37.5–39.0	QBT3	0.16	—	—	—	—	2.62	0.0953	2.62
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	0.136	—	—	—
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	0.0545	—	—	—
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	—	0.0638	—	—	—
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	0.159	—	0.887	—	—	—	—
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	0.211	—	—	—	—
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	17.2	0.0961	2.36	0.0996	—	—	—
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	3.6	0.0809	0.391	0.0988	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	0.717	1.43 (J-)	—	—	—	—	—
RE02-07-2862	02-600629	4.5–6.2	QAL	—	0.999	0.867	0.43	0.0206989	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	—	1.01 (J-)	—	—	—	—	—
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	0.218	—	—	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	0.0308	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	0.659	—	—	—	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	0.167	0.299	—	0.0315949	—	—	—
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	0.0343344	—	—	—
RE02-07-2880	02-600632	26.0–29.0	QBO	—	—	—	—	0.17875	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	1.77	—	1.99	—	—	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	0.752	0.0542605	—	—	—
RE02-07-2887	02-600634	4.5–9.0	QAL	—	0.163	—	—	0.0356757	—	—	—
RE02-07-6832	02-600634	19.5–22.0	QBO	—	0.125	—	—	0.167571	—	—	—
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	0.0679813	—	—	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	25.5	0.389 (J-)	6.33	—	—	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	0.306	0.0500562	3.26	0.208	2.48

Table 2.23-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial SALs[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-6833	02-600636	19.5–24.0	QBO	—	—	—	—	0.0716883	—	0.355	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	1.7	0.0852 (J-)	—	—	—	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	0.528	0.0438	—	0.0184587	—	—	—
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	0.0308785	—	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	—	—	—	—	0.261667	—	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	0.886	1.39	—	—	—	—	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	1.88	2.93	—	—	—	—	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	0.0785	—	—	—	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	—	—	—	—	0.0564813	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	58.3	0.225	—	—	—	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	—	0.791	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.24-1
Summary of Inorganic Chemicals above BV at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**8.64**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**20500**	**45400**	**13700**	**100000**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	NA[f]	—	—	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	0.511 (U)	—	23.1	NA	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	0.49 (U)	—	—	NA	—	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1573	02-600387	2.0–2.6	QAL	—	—	—	—	0.497 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	—	0.552 (U)	—	—	NA	—	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	—	—	—	—	0.521 (U)	—	—	NA	—	—	15.9	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	0.544 (U)	—	19.9	NA	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	11000	—	1.82 (U)	30.5	0.605 (U)	—	4.01	NA	—	—	—	6260
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	0.543 (U)	—	—	NA	—	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	6430	—	1.1 (J)	52.5	0.56 (U)	—	12.7	NA	—	—	—	7450
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	—	—	0.508 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	0.533 (U)	—	—	NA	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	0.61 (U)	—	21.3 (J)	NA	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	11300	0.513 (UJ)	1.88 (U)	74.3	0.627 (U)	—	8.08 (J)	NA	—	—	—	6830
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	0.535 (U)	—	—	NA	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	0.83 (J)	—	0.556 (U)	—	19.9	NA	—	4.13	—	6050
RE02-07-1888	02-600451	17.0–22.0	QBO	5840	—	1.85 (U)	—	—	—	13.4	NA	—	—	—	5550 (J)

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.524 (U)	—	—	NA	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.546 (U)	—	—	NA	—	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	—	—	0.511 (U)	—	—	NA	—	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	0.536 (U)	—	—	NA	—	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	0.555 (U)	—	27 (U)	NA	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	7260	0.515 (UJ)	0.765 (J)	—	0.654 (U)	—	18.9 (U)	NA	—	4.53 (U)	—	7190
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	—	0.526 (U)	—	—	NA	—	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	0.527 (U)	—	—	NA	—	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	11500	—	2.36	97.1	0.582 (U)	—	15.3	NA	—	4.17	—	6400
AOC 02-011(a)(viii)															
CA02-00-0192	02-01152	0.0–0.5	SED	—	—	—	—	0.63 (J+)	—	13	NA	—	17	NA	—
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	—	—	0.463 (J)	—	—	—	—	—	NA	—
RE02-03-51825	02-22351	5.5–6.0	ALLH	—	—	—	—	—	—	—	0.209 (J-)	—	—	NA	—
RE02-03-51826	02-22352	3.0–3.5	ALLH	—	—	—	—	—	—	—	0.676 (J-)	—	15.1 (J)	NA	—
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	—	—	—	—	0.206 (J-)	—	—	NA	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	—	—	—	—	0.061 (J)	—	—	NA	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	—	0.513 (U)	—	—	—	—	—	NA	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	—	—	22930	—	0.132	—	—	NA	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	0.531 (U)	—	—	—	—	—	NA	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	—	0.555 (U)	8700	—	—	—	—	NA	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	—	0.529 (U)	—	—	0.122	—	—	NA	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	0.547 (U)	—	19.6	—	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	0.523 (U)	—	33.4	0.25	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	22000	0.501 (U)	1.41 (J)	221 (J-)	0.632 (U)	—	2.93	2.12	—	—	—	7460
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—	—	—
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	—	0.568 (U)	—	—	0.206 (J-)	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	7990 (J+)	0.512 (UJ)	1.27 (J)	47 (J)	0.664 (U)	—	21.3	0.0331 (J)	—	—	—	5180
AOC 02-011(a)(ix)															
CA02-00-0320	02-01150	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—	NA	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	—	—	—	15.9	NA	—	—	NA	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	0.509 (U)	—	—	—	—	—	NA	—
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	—	7290	—	—	—	—	NA	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	—	—	—	—	—	—	—	1.14 (J-)	—	—	NA	—
RE02-03-51857	02-22367	5.0–5.5	ALLH	—	—	—	—	—	—	—	0.726 (J-)	—	—	NA	—
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	0.547 (U)	—	30.9	—	—	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	4910 (J+)	—	1 (J)	—	0.612 (U)	—	30	—	—	—	—	7020
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.131 (J)	—	—	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	0.537 (U)	—	—	—	—	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	10600	—	1.17 (J)	43.6 (J+)	0.601 (U)	—	27.4	0.253	—	—	—	5580 (J+)
RE02-07-6823	02-600432	24.5–29.0	QBO	3770	0.509 (UJ)	1.9 (U)	—	0.634 (U)	—	12.3	—	—	—	—	5630
RE02-07-1773	02-600433	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1775	02-600433	14.0–19.0	QBO	8390	—	1.86	50.6 (J+)	0.597 (U)	—	23	0.147 (J)	—	—	—	7400 (J+)
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.349 (J)	—	—	—	—
RE02-07-1781	02-600434	7.5–16.0	QAL	—	—	—	—	0.55 (U)	—	—	—	—	—	—	—
RE02-07-1780	02-600434	16.0–19.0	QBO	11400	—	3.43	212 (J+)	0.587 (U)	2430	34.5	0.227 (J-)	—	11.8	—	12400 (J+)
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.241 (J)	—	—	0.579	—
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	0.547 (U)	—	—	0.495 (J-)	—	—	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	13000	—	1.56 (J)	34.6 (J+)	0.635 (U)	—	10.4 (U)	—	—	—	—	6070 (J+)
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.176 (J)	—	—	—	—
RE02-07-1789	02-600436	7.5–13.5	QAL	—	—	—	—	0.521 (U)	—	—	—	—	—	—	—
RE02-07-1790	02-600436	13.5–18.5	QBO	8460	—	1.93	36.1	0.588 (U)	—	27.2	—	—	—	—	6170
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	0.529 (U)	—	—	—	—	—	—	—
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	—	—	—	0.441 (J)	31200	—	—	—	—	—	—
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	0.544 (U)	—	—	—	—	—	—	—
RE02-07-1800	02-600438	14.0–16.2	QBO	10000	—	1.07 (J)	74.2	0.577 (U)	—	10.1 (J)	—	—	—	—	5750
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	0.532 (U)	—	—	0.112	—	—	—	—
RE02-07-1805	02-600439	14.0–18.5	QBO	10500	—	1.65 (J)	97.3	0.59 (U)	—	8.59 (U)	0.0657 (J)	—	—	—	8500
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	0.536 (J)	—	—	—	—	—	—	—
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	0.563 (U)	—	—	—	—	—	—	—
RE02-07-1810	02-600440	14.0–19.0	QBO	11200	—	1.12 (J)	—	0.642 (U)	—	15.5	—	—	4.42	—	6200 (J+)
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	—	—	—	0.543 (U)	—	—	—	—	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	—	0.521 (U)	—	20.2	—	—	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	0.554 (U)	—	27.2 (U)	0.0646 (J)	—	16.7 (U)	—	—
RE02-07-1815	02-600441	15.0–22.0	QBO	9510	0.511 (UJ)	0.983 (J)	—	0.648 (U)	—	20.2 (U)	0.0538 (J)	—	5.83 (U)	—	5650
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	—	0.549 (U)	—	—	—	—	—	—	—
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	0.567 (U)	—	36.2 (J)	—	—	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	8040 (J+)	—	0.922 (U)	27.1	0.593 (U)	—	40.9 (J)	—	—	4.47 (U)	—	7950
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1823	02-600443	2.0–4.0	QAL	—	—	—	—	—	—	27.7 (U)	—	—	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	0.508 (U)	—	45.1	—	—	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	1.66 (J)	—	0.586 (U)	—	25.1 (U)	—	—	5.1 (U)	—	7180
RE02-07-1825	02-600443	15.0–17.5	QBO	8680 (J+)	—	1.2 (J)	53.5 (J+)	0.595 (U)	—	12.7 (U)	—	—	—	—	7510
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	0.5 (U)	—	—	—	—	—	—	—
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	0.517 (U)	—	—	0.0575 (J)	—	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	6380	—	1.63 (J)	—	0.603 (U)	—	29.5	0.117 (J)	—	—	—	6970
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	—	8740	—	—	—	—	—	—
RE02-07-1834	02-600445	7.5–10.5	QAL	—	—	—	—	0.537 (U)	—	—	0.0784 (J)	—	—	—	—
RE02-07-1835	02-600445	13.0–18.5	QBO	9550	—	1.32 (J)	—	0.61 (U)	—	10.3	—	—	—	—	6240
RE02-07-1836	02-600445	26.0–28.5	QBO	4930	0.516 (UJ)	0.801 (J)	—	0.643 (U)	—	15.2	0.111 (J)	—	—	—	6960
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	0.512 (U)	—	—	—	—	—	—	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	0.551 (U)	—	—	—	—	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	7930	—	1.24 (J)	49.5	0.516 (U)	—	10.9	0.148	—	—	—	6640
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	—	—	—	0.501 (U)	—	—	—	—	—	—	—
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1845	02-600447	14.5–18.5	QBO	13800	—	1.84 (U)	53.1	0.612 (U)	—	8.54	0.0495 (J)	—	—	—	6480
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—
AOC 02-011(a)(x)															
CA02-00-0193	02-01153	0.0–0.5	SED	—	—	—	—	—	—	10.9	NA	—	—	NA	—
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	—	—	—	24	NA	—	13	NA	—
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	0.518 (U)	6190	—	0.162	—	—	NA	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	—	—	0.295	—	—	NA	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	16660	—	0.476	—	—	NA	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	—	—	0.519 (U)	—	—	0.498	—	—	NA	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	7380	—	0.39	—	—	NA	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED BV[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial SSLs[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	0.494 (U)	12830	—	—	—	—	NA	—
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	—	614 (J+)	—	—	—	—	—	—	NA	—
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.515 (U)	—	—	—	—	—	—	—
RE02-07-3063	02-600660	4.5–8.5	QAL	—	—	—	968	0.521 (U)	—	21.2	—	—	—	—	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	—	—	—	0.514 (U)	—	—	—	—	—	—	—
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	0.523 (U)	—	19.9 (J)	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	9080 (J+)	—	0.902 (J)	51.7	0.572 (U)	—	64.8 (J)	—	—	—	—	7230
RE02-07-3069	02-600661	25.0–30.0	QBO	4760 (J+)	0.547 (UJ)	2.04 (U)	—	0.679 (U)	—	4.8	—	—	—	—	5500
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.247 (J)	—	—	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	0.509 (U)	—	—	0.0384 (J)	—	—	—	—
RE02-07-3075	02-600662	15.0–20.0	QBO	6300	—	1.48 (J)	—	0.586 (U)	—	8.9	—	—	—	—	8580
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	16.9	—	2.54 (U)	—	23.2 (J)	0.693	9.67	52	—	66400
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	0.552 (U)	—	—	0.068 (J)	—	—	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	8880 (J+)	—	1.07 (U)	55.6	0.607 (U)	—	2.98	0.287	—	—	—	5620
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	—	3.27	—	—	—	—	—	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	0.538 (U)	—	—	—	—	—	—	—
RE02-07-3085	02-600664	9.5–14.5	QBO	7510	—	1.42 (J)	42.7 (J+)	0.546 (U)	—	—	0.0275 (J)	—	—	—	11600
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	1.79 (U)	—	0.596 (U)	—	—	NA	—	—	—	4710
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.493 (U)	—	—	—	—	—	—	—
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	0.528 (U)	—	—	0.353	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	9380	—	1.66 (J)	30.3	—	—	16.2	0.0717 (J)	—	—	—	6280
RE02-07-6835	02-600665	19.5–23.5	QBO	7930	0.531 (UJ)	1.93 (U)	—	0.644 (U)	—	3.61	NA	—	—	—	5510
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
AOC 02-011(a)(i)														
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	—	—	—	—	1.75 (J-)	—	—	—	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	—	1.75 (J-)	—	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	—	1.05 (J-)	0.000539 (J)	—	—	—	—
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	—	2.3 (J-)	0.000764 (J)	—	—	—	50
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	—	2.6 (J-)	0.00127 (J)	—	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	—	—	—	—	1.71 (J-)	—	—	—	—	78.2
RE02-07-1573	02-600387	2.0–2.6	QAL	—	—	—	—	—	1.77 (J-)	0.000813 (J)	—	—	—	—
AOC 02-011(a)(ii)														
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	0.472	—	1.01 (J)	—	—	—	—	—
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	0.173	—	1.87	—	—	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(iii)														
RE02-07-1628	02-600406	0.0–0.5	ALLH	—	—	—	0.138	—	3.89	—	—	—	—	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	193	—	—	2.03	—	1.82 (U)	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	—	—	—	—	1.42	—	—	—	—	59.8
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	298	—	3.06	1.15 (J)	—	1.68 (U)	—	7.39 (J)	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	—	—	—	11	0.00131 (J)	—	—	—	—
AOC 02-011(a)(iv)														
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	1.27	—	1.78 (J-)	—	—	—	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	0.198	—	1.07	—	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	1.83 (U)	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	253 (J-)	—	2.27	—	—	1.88 (U)	—	—	—
AOC 02-011(a)(v)														
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	—	—	0.617	—	—	—	—	—	—	—
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	—	—	1.61 (U)	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	—	—	0.703	—	1.51 (J-)	—	—	—	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	0.397	—	1.63 (J-)	—	1.67 (U)	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	191 (J+)	—	3.44	—	—	0.758 (J)	—	7.56	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	0.899 (J)	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
AOC 02-011(a)(vi)														
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	20.5	—	—	0.00121 (J)	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	0.751	—	1.9	—	1.57 (U)	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	—	6.57	—	—	0.000599 (J)	—	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	1.29	—	1.61 (U)	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	196 (J-)	—	3 (U)	—	—	1.96 (U)	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	0.835 (J)	—	—	—	—	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	—	—	—	2.41	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	224 (J+)	—	4.64 (J+)	—	0.000773 (J)	1.76	—	4.83	—
AOC 02-011(a)(viii)														
CA02-00-0192	02-01152	0.0–0.5	SED	40	—	—	2.2 (J-)	—	NA	NA	—	—	—	390 (J+)
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	—	0.305	—	NA	NA	—	—	—	68.8 (J-)
RE02-03-51825	02-22351	5.5–6.0	ALLH	—	—	—	0.197	—	NA	NA	—	—	—	67.3 (J-)
RE02-03-51826	02-22352	3.0–3.5	ALLH	25.8 (J)	—	—	5.26	—	NA	NA	—	—	—	66.3 (J-)
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	0.201	—	NA	NA	—	—	—	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	0.681	—	NA	NA	—	—	—	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	0.178	—	NA	NA	—	—	—	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	0.382	—	NA	NA	—	—	—	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	0.122	—	NA	NA	—	—	—	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	0.315	—	NA	NA	—	—	—	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	2.93 (J-)	—	1.37	—	—	—	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	1.82	—	1.64 (U)	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	0.136	—	—	—	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	267	—	—	—	—	1.9 (U)	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	—	0.473	—	4.09	—	—	—	—	57.4
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	1.71	—	1.31	—	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	233	—	—	—	—	0.801 (J)	—	—	—
AOC 02-011(a)(ix)														
CA02-00-0320	02-01150	0.0–0.5	SED	20	—	—	0.23 (J-)	—	NA	NA	—	1.1	—	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	0.49 (J-)	—	NA	NA	—	—	—	150 (J+)
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	2370 (J)	—	—	—	—	NA	NA	—	—	69.5	256 (J-)
RE02-03-51857	02-22367	5.0–5.5	ALLH	768 (J)	—	—	—	—	NA	NA	—	—	—	296 (J-)
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	1.24	—	1.91	—	—	—	—	113
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	—	1.11 (J-)	—	—	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	292 (J+)	—	6.52 (U)	—	—	0.91 (J)	—	5.96	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	—	—	0.74	—	1.04 (J-)	—	—	—	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	—	—	—	1.62	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	201	—	2.44	—	—	1.56 (J)	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	263	—	—	—	—	5.63	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	—	—	—	0.25	—	1.33 (J+)	0.000752 (J)	—	—	—	49.6
RE02-07-1775	02-600433	14.0–19.0	QBO	—	—	310	—	2.17	—	—	2.27	—	4.75	—
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	—	—	0.421	—	1.66 (J+)	0.000556 (J)	—	—	—	—
RE02-07-1781	02-600434	7.5–16.0	QAL	—	—	—	0.102 (J)	—	—	—	2.07	—	—	—
RE02-07-1780	02-600434	16.0–19.0	QBO	48.8	4800 (J)	816	—	2.85 (U)	—	—	5.15	—	15.3	54.1
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	0.358	—	1.18 (J-)	—	—	—	—	52
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	—	1.51	0.0008 (J)	4.6	—	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	—	—	228	—	—	—	—	1.9	—	—	—
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	—	—	0.311	—	1.05 (J-)	—	—	—	—	—
RE02-07-1789	02-600436	7.5–13.5	QAL	—	—	—	—	—	—	—	1.56 (U)	—	—	—
RE02-07-1790	02-600436	13.5–18.5	QBO	—	—	360	—	2.97 (U)	—	—	1.76 (U)	—	4.74	—
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	—	—	—	—	—	—	1.53 (U)	—	—	—
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	—	1.37	—	1.59 (U)	—	—	—
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	—	—	0.125	—	1.74 (J-)	—	—	—	—	57.9
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	—	1.42	—	—	—	—	—
RE02-07-1800	02-600438	14.0–16.2	QBO	—	—	374	—	—	—	—	1.73 (U)	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	—	—	0.411	—	1.13 (J-)	—	—	—	—	—
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	—	2.35	—	1.59 (U)	—	—	—
RE02-07-1805	02-600439	14.0–18.5	QBO	—	—	392	—	2.86 (U)	—	—	1.77 (U)	—	5.44	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	0.33	—	1.73 (J-)	—	—	—	—	52.9
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	—	1.52	0.000733 (J)	1.74	—	—	—
RE02-07-1810	02-600440	14.0–19.0	QBO	—	—	209	—	3.09	—	—	1.82 (J)	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	—	—	4.39	—	—	—	1.63 (U)	—	—	—
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	0.257	—	1.28 (J-)	—	—	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	—	5.72 (J-)	—	—	—	—	—
RE02-07-1815	02-600441	15.0–22.0	QBO	—	—	267	—	4.84 (U)	—	—	0.691 (J)	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	0.179	—	1.17 (J-)	—	—	—	—	—
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	—	—	—	1.53 (J)	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	222	—	2.52	—	—	1.46 (J)	—	6.12	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	—	—	6.45	—	9.68	—	—	—	—	—
RE02-07-1823	02-600443	2.0–4.0	QAL	92.2 (J)	—	—	0.978 (J-)	—	—	—	—	—	—	158 (J+)
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	—	—	—	—	—	—	77.4 (J+)
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	310 (J+)	—	2.39 (U)	2.87 (J-)	—	1.1 (J)	—	14.3	—
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	288 (J+)	—	3.3 (U)	1.67 (J-)	—	0.746 (J)	—	8.4	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	—	1.41 (J+)	—	—	—	—	—
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	—	—	—	1.87	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	—	248 (J+)	—	—	—	—	1.89	—	6.17 (J)	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	—	0.954 (J-)	—	—	—	—	214
RE02-07-1834	02-600445	7.5–10.5	QAL	—	—	—	—	—	—	—	1.78	—	—	—
RE02-07-1835	02-600445	13.0–18.5	QBO	—	—	198 (J+)	—	—	—	—	2.13	—	—	—
RE02-07-1836	02-600445	26.0–28.5	QBO	—	—	243 (J+)	—	—	—	—	2.07	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	—	1.19 (J+)	—	—	—	—	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	—	—	—	2.68	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	210	—	2.18 (J)	—	—	1.55 (U)	—	9.39 (J)	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	—	—	0.117	—	1.19 (J-)	—	—	—	—	—
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-1845	02-600447	14.5–18.5	QBO	—	—	247	—	2.43 (J)	—	—	1.84 (U)	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	—	—	0.283	—	1.28 (J-)	—	—	—	—	—
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	—	1.22	—	1.57 (U)	—	—	—
AOC 02-011(a)(x)														
CA02-00-0193	02-01153	0.0–0.5	SED	45	—	—	0.12 (J-)	—	NA	NA	0.572 (J)	1.1	—	75.6 (J+)
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	0.12 (J-)	—	NA	NA	0.374 (J)	1.1	—	120 (J+)
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—

Table 2.24-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL BV[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO BV[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED BV[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial SSLs[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	—	0.656	—	NA	NA	—	—	—	914 (J-)
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	125 (J-)
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	297 (J-)
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	—	—	—	4.1 (U)	—	—	—
RE02-07-3063	02-600660	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	—	—	—	—	—	—	3.77 (U)	—	—	71.5
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	—	—	202	—	—	—	—	0.873 (J)	—	6.14	—
RE02-07-3069	02-600661	25.0–30.0	QBO	—	—	—	—	—	—	—	2.04 (U)	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	0.19	—	1.13	0.000609 (J)	—	—	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	2.35	0.000627 (J)	1.53 (U)	—	—	—
RE02-07-3075	02-600662	15.0–20.0	QBO	—	—	256	—	—	1.02 (J)	—	1.76 (U)	—	6.6 (J)	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	—	0.267	—	—	0.00114 (J)	5.71 (U)	—	—	—
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	—	1.03	0.000634 (J)	—	—	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	—	—	334 (J+)	—	2.33	—	—	1.82 (U)	—	—	—
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	1.73	—	—	—	3.01 (U)	—	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	56.3
RE02-07-3085	02-600664	9.5–14.5	QBO	—	832 (J+)	566 (J+)	—	3.76 (U)	—	—	1.58 (J)	—	8.09	50.2
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	—	—	—	—	—	5.54	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	0.13	—	1.44 (J-)	—	1.71 (U)	—	—	—
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	218	—	—	—	—	1.72 (U)	—	5.25 (J)	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	190	—	—	—	—	6.17	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	25.9 (J)	—	—	—	—	1.91 (J-)	0.000703 (J)	3.66 (U)	—	—	98.7

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table 2.24-2
Summary of Organic Chemicals Detected at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
AOC 02-011(a)(i)																	
RE02-07-1566	02-600385	0.0–0.5	ALLH	—[c]	—	—	—	1.25	3.45	0.0432	0.042	0.0618	0.0165 (J)	0.0244 (J)	—	NA[d]	0.0486
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	0.381	1.05	—	—	—	—	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	9.19	22	0.0291 (J)	0.021 (J)	0.0334 (J)	—	0.0134 (J)	—	NA	0.0237 (J)
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	9.17	19.2	0.0104 (J)	—	—	—	—	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	2.02	5.05	0.0157 (J)	—	0.0156 (J)	—	—	—	—	0.0112 (J)
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	0.00903 (J)	—	—	0.234	0.553	0.0516	0.0551	0.0702	0.0271 (J)	0.041	—	NA	0.0598
RE02-07-1573	02-600387	2.0–2.6	QAL	—	0.00727 (J)	—	—	0.0532	0.105	0.032 (J)	0.0332 (J)	0.0424	0.0222 (J)	0.0219 (J)	—	—	0.0386
AOC 02-011(a)(ii)																	
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.157	0.367	—	—	—	28	1.54	1.5 (J)	2.09 (J)	0.557 (J)	—	—	NA	1.5
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	—	—	44.8	—	0.0207 (J)	0.0294 (J)	—	—	—	—	0.0252 (J)
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	—	0.171	—	—	—	—	—	—	—	—
AOC 02-011(a)(iii)																	
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.0276 (J)	0.0402	—	—	—	6.84	0.183	0.176	0.323	0.0903	—	—	NA	0.238
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	0.0321	—	—	—	—	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	0.0106	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.144	0.195	—	—	—	0.172	0.325 (J)	0.352 (J)	0.564 (J)	0.218 (J)	—	—	NA	0.332 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	0.0222 (J)	0.0299 (J)	—	—	—	0.0884	0.0721	0.0658	0.101	0.0446	—	—	—	0.0565
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.0134 (J)	0.0234 (J)	—	—	0.0647	0.102	0.147	0.152	0.281	0.0917	—	—	NA	0.191
AOC 02-011(a)(iv)																	
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	—	0.0556	0.0681	0.0312 (J)	0.0331 (J)	0.0469 (J)	—	—	—	NA	0.0383 (J)
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	0.0045	0.0067	—	—	—	—	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(v)																	
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.0125 (J)	0.0226 (J)	—	—	—	73.1	0.175	0.218	0.282	0.102 (J)	—	—	NA	0.162
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	0.496	—	—	—	—	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	0.0211 (J)	0.0395	—	—	—	0.344	0.0881	0.166	0.148	0.0921 (J)	—	—	NA	0.0886
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	0.0475	0.0295	—	—	—	—	—	—	—	—

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(vi)																	
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	0.402	—	—	0.0646	0.126	5.22	3.46 (J)	6.38 (J)	1.5 (J)	—	—	NA	4.8
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.0381	0.0652	—	—	0.011 (J)	—	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.0023 (J)	0.0055	—	—	—	—	—	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	0.00906 (J)	—	—	—	—	—	0.071	0.101	0.0358	—	—	NA	0.0612
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.000237 (J)	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	0.0376 (J)	—	—	—	—	—	0.259	0.369	—	—	—	NA	0.197
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—	—	—
AOC 02-011(a)(viii)																	
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.00808 (J)	—	—	0.0276 (J)	0.0546	—	0.0673 (J)	0.102 (J)	—	—	—	NA	0.059
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	—	0.0032 (J)	—	—	—	—	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	0.033 (J)	0.0559	—	—	—	0.0429	0.104	0.116	0.166	0.0774	—	—	NA	0.0939
RE02-07-2425	02-600543	9.5–11.0	QAL	—	0.0118 (J)	—	—	—	0.0238	—	0.0229 (J)	0.038 (J)	—	—	—	—	0.0244 (J)
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	—	—	0.0514	—	—	—	—	—	—	0.000304 (J)	—
AOC 02-011(a)(ix)																	
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	0.0164 (J)	—	—	0.232	0.174	0.0779	0.121 (J)	0.109 (J)	—	—	—	NA	0.0806
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	0.01	0.0133	—	—	—	—	—	0.153 (J)	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	—	—	0.0244 (J-)	0.0392 (J-)	—	—	—	—	—	0.0894 (J)	—	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	0.0134 (J)	0.0877	—	—	0.0142 (J)	0.0241 (J)	0.593	0.433	0.792	0.158	—	—	NA	0.517
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	0.0045	0.0051	0.0172 (J)	0.0937 (J)	0.0151 (J)	—	—	0.0789 (J)	—	0.0145 (J)
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	0.0481	0.0843	—	—	0.222	0.118	0.184	0.237	0.323	0.0995	—	—	NA	0.194
RE02-07-1778	02-600434	0.0–0.5	ALLH	0.0163 (J)	0.0267 (J)	—	—	0.0251 (J)	0.0426	0.0588	0.0684	0.0656	0.0522	0.0533	—	NA	0.0699
RE02-07-1781	02-600434	7.5–16.0	QAL	—	0.0101 (J)	—	—	0.00563	0.0054	0.0288 (J)	0.0334 (J)	0.0344 (J)	0.0243 (J)	—	—	—	0.035 (J)

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	—	—	0.0235 (J)	0.017 (J)	—	—	—	—	—	NA	0.0133 (J)
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	0.0103 (J-)	—	0.00826	0.0062	0.0142 (J)	—	—	—	—	—	—	—
RE02-07-1788	02-600436	0.0–0.5	ALLH	0.019 (J)	0.0274 (J)	—	—	0.0196 (J)	0.0263 (J)	0.0606	0.0775	0.0908	0.0467	—	—	NA	0.0702
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	0.011 (J)	—	—	0.0381	0.0466	0.0371	0.0501	0.0493	0.0312 (J)	0.0317 (J)	—	NA	0.0418
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	0.0151 (J)	—	—	0.118	0.268	0.07	0.0799	0.106	0.0625	0.0481	—	NA	0.0812
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	0.0035 (J)	0.0067	—	—	—	—	—	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	0.0142 (J)	—	—	0.0984	0.194	0.0535	0.0427	0.0624	0.0332 (J)	0.0326 (J)	—	NA	0.0531
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	0.0286	0.0519	0.041	0.0331 (J)	0.0397	—	—	—	—	0.0326 (J)
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	—	0.0209 (J)	0.0245 (J)	0.0246 (J)	0.034 (J)	—	0.0129 (J)	—	NA	0.0239 (J)
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	0.008	0.0071	—	—	—	—	—	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	0.0286 (J)	—	0.197	0.138	0.172	0.17	0.168 (J)	0.236 (J)	—	—	—	NA	0.157
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	—	0.0104	0.0225	—	—	—	—	—	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	0.0122 (J)	—	—	—	—	—	—	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	—	0.0177 (J+)	0.0286 (J+)	0.0439	0.05 (J)	0.0868 (J)	0.0155 (J)	—	—	NA	0.0481
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	0.0089 (J)	0.0062 (J)	—	—	—	—	—	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	—	0.0028 (J)	0.0021 (J)	—	—	—	—	—	—	—	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	0.0111 (J)	—	—	0.0553	0.145	0.0538	0.0998 (J)	0.0797 (J)	—	—	—	NA	0.0574
RE02-07-1823	02-600443	2.0–4.0	QAL	—	0.0159 (J)	—	—	0.174	0.0721	0.0402 (J)	0.0368 (J)	0.0607 (J)	—	—	—	—	0.0337 (J)
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	0.0216 (J-)	0.0161 (J-)	—	—	—	—	—	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	—	—	0.0061	0.0069	—	—	—	—	—	—	—	—
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	—	—	0.003 (J-)	0.0027 (J-)	—	—	—	—	—	—	—	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	0.0142 (J)	0.0336 (J)	0.0605	0.0452	0.0626	—	—	—	NA	0.0689
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	0.0165	0.0122	—	—	—	—	—	—	0.000218 (J)	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	—	—	—	0.0026 (J)	0.0028 (J)	—	—	—	—	—	—	—	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	0.0504	0.106	0.0173 (J)	0.0155 (J)	0.0142 (J)	—	—	—	NA	0.0115 (J)
RE02-07-1835	02-600445	13.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	0.0171 (J)	0.0372	—	—	—	—	—	—	NA	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	0.0084	0.0065	—	—	—	—	—	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	—	—	0.0066	0.0046	—	—	—	—	—	—	—	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	0.0144 (J)	—	—	0.0257 (J)	0.0422	0.0599	0.0492	0.0653	—	—	—	NA	0.0535
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	0.0106	0.0131	—	—	—	—	—	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	0.0158 (J)	0.0263 (J)	—	—	0.0175 (J)	0.0215 (J)	0.0648	0.0799	0.0953	0.0488 (J)	0.0335 (J)	—	NA	0.0649

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
AOC 02-011(a)(x)																	
0402-95-0303	02-01162	0.5–0.8333	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0305	02-01162	2.5–3.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0304	02-01162	8.0–9.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0306	02-01162	12.5–13.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.0145 (J)	0.0247 (J+)	—	—	—	—	—	—	NA	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	0.0824	0.131	—	—	0.036	0.0583	0.232	0.262	0.43	0.0952	—	—	NA	0.248
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	—	—	0.0254 (J)	—	—	—	—	—	—	NA	0.0112 (J)
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	0.00847 (J)	—	—	0.0549	0.0414	—	—	—	—	—	—	NA	0.0145 (J)
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	—	—	1.16	0.0165 (J)	0.0217 (J)	0.0221 (J)	—	—	—	NA	0.0122 (J)
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	0.319	—	—	—	—	—	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.0406	0.0488	—	0.0425	0.0642	—	—	—	NA	0.0383
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	—	—	0.005	0.0041	—	—	—	—	—	—	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	0.0156 (J)	0.0401	—	—	0.0701	0.0944	—	0.221	0.674	0.111	—	—	NA	0.34

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
AOC 02-011(a)(i)												
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	0.107	—	0.0000171	0.0000227	0.00000143 (J)	—	0.000000522 (J)	0.000000361 (J)
RE02-07-1567	02-600385	2.0–3.0	QAL	—	0.0119 (J)	—	0.00000461	0.00000562	0.000000359 (J)	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	0.0516	—	0.0000385	0.0000714	0.00001	0.000000354 (J)	0.00000111 (J)	0.000000604 (J)
RE02-07-1570	02-600386	2.0–2.5	QAL	—	0.0106 (J)	—	0.00000595	0.0000108	0.00000152 (J)	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	0.0263 (J)	—	0.00000584	0.0000154	0.00000233 (J)	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	0.0984	—	0.00016	0.0000475	0.00000235 (J)	0.00000071 (J)	0.00000332	0.0000013 (J)
RE02-07-1573	02-600387	2.0–2.6	QAL	—	0.0529	—	0.000166	0.0000472	0.00000182 (J)	0.000000738 (J)	0.0000037	0.00000091 (J)
AOC 02-011(a)(ii)												
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.151 (J)	3.84	0.123	0.0000496	0.000159	0.000023	—	0.00000161 (J)	0.000000854 (J)
RE02-07-1877	02-600449	2.0–4.5	QAL	—	0.0481	—	0.0000208	0.0000844	0.0000159	—	0.000000758 (J)	0.000000382 (J)
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	0.00000134 (J)	0.00000545	0.000000799 (J)	—	—	—
AOC 02-011(a)(iii)												
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.0533 (J)	0.516	0.0188 (J)	0.0000131	0.0000487	0.00000787	—	0.00000046 (J)	0.000000424 (J)
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	0.613	0.106	0.0000214	0.0000136	0.000000975 (J)	0.000000273 (J)	0.00000103 (J)	0.000000623 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	—	0.126	0.0188 (J)	0.00000964	0.00000815	0.00000072 (J)	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.101 (J)	0.385	—	0.0000303	0.00000859	0.000000406 (J)	0.000000273 (J)	0.00000088 (J)	0.00000057 (J)
AOC 02-011(a)(iv)												
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	0.0504	—	0.0000498	0.00000529	0.00000035 (J)	—	0.0000018 (J)	0.00000112 (J)
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	0.000002 (J)	0.000000432 (J)	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	0.00000397	0.000000779 (J)	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	0.0000015 (J)	0.000000414 (J)	—	—	—	—
AOC 02-011(a)(v)												
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.0364 (J)	0.288	—	0.000058	0.000265	0.0000499	0.000000519 (J)	0.00000194 (J)	0.000000991 (J)
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	0.137	0.0167 (J)	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1887	02-600451	4.5–10.0	QAL	—	0.0118 (J)	—	0.00000281	—	—	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	0.00000139 (J)	—	—	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(vi)												
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	6.62	—	0.0000716	0.0000106	—	0.000000514 (J)	0.00000228 (J)	0.00000127 (J)
RE02-07-2359	02-600532	4.5–9.5	QAL	—	0.0147 (J)	—	0.0000067	0.0000021 (J)	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	0.0000795	0.0000166	0.00000184 (J)	0.000000241 (J)	0.00000219 (J)	0.000000359 (J)
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	0.0815	—	0.0000133	0.00000301	0.000000149 (J)	0.000000423 (J)	0.000000418 (J)	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	0.00000326	—	—	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	0.0000168	0.00000274	—	—	0.000000606 (J)	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	0.000000948 (J)	—	—	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	0.261	—	0.00000645	0.00000192 (J)	—	—	0.000000224 (J)	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	0.000023	0.0000043	0.000000542 (J)	—	0.000000827 (J)	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	0.0000248	0.00000761	0.000000617 (J)	—	0.00000078 (J)	—
AOC 02-011(a)(viii)												
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.0678	—	0.0000262	0.00000372	—	—	0.000000991 (J)	0.000000668 (J)
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	0.00000498	0.000000918 (J)	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	0.0000235	0.00000496	—	—	0.000000766 (J)	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	0.208	0.0286 (J)	0.000021	0.00000502	—	—	0.000000664 (J)	—
RE02-07-2425	02-600543	9.5–11.0	QAL	—	0.0484	—	0.0000073	0.00000142 (J)	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	0.00000105 (J)	0.000000446 (J)	—	—	—	—
AOC 02-011(a)(ix)												
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	0.107	—	NA	NA	NA	NA	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	0.965	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	—	0.0204 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1773	02-600433	0.0–0.5	ALLH	0.0613 (J)	0.292	0.0405	NA	NA	NA	NA	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	0.0943	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1781	02-600434	7.5–16.0	QAL	—	0.0571	—	NA	NA	NA	NA	NA	NA
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	0.0217 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	—	0.0209 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	0.11	0.0141 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	0.0552	—	NA	NA	NA	NA	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	0.156	—	NA	NA	NA	NA	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	0.109	—	NA	NA	NA	NA	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	—	0.0865	—	NA	NA	NA	NA	NA	NA
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	0.033 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	0.222	—	NA	NA	NA	NA	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	0.071	—	NA	NA	NA	NA	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	0.0887	—	NA	NA	NA	NA	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	—	0.0427	—	NA	NA	NA	NA	NA	NA
RE02-07-1824	02-600443	4.0–8.0	QAL	—	0.0119 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	0.0687	—	NA	NA	NA	NA	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	0.0736 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1830	02-600444	13.5–20.5	QBO	0.0856 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1833	02-600445	0.0–0.5	ALLH	0.0446 (J)	0.016 (J)	—	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial SSLs[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1835	02-600445	13.0–18.5	QBO	0.102 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	0.0861	—	NA	NA	NA	NA	NA	NA
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	0.103	0.0138 (J)	NA	NA	NA	NA	NA	NA
AOC 02-011(a)(x)												
0402-95-0303	02-01162	0.5–0.8333	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0305	02-01162	2.5–3.5	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0304	02-01162	8.0–9.0	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0306	02-01162	12.5–13.5	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	0.403	0.0662	NA	NA	NA	NA	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	0.0381 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3071	02-600661	11.0–14.5	QAL	0.0417 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3070	02-600661	14.5–19.5	QBO	0.0467 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	0.0217 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	0.0296 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	0.0182 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	0.041	—	NA	NA	NA	NA	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	0.362	0.0161 (J)	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389[f]**	**490**	**300[g]**	**300**	**na**	**na**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	0.00002	0.00000788	0.00000161 (J)	0.0000146	0.018 (J)	NA	NA	NA	—	—	0.000132	0.0000173
RE02-07-1567	02-600385	2.0–3.0	QAL	0.00000512	0.00000196 (J)	0.00000041 (J)	0.00000363	—	—	—	—	—	—	0.0000344	0.00000415 (J)
RE02-07-1569	02-600386	0.0–0.5	ALLH	0.0000802	0.0000286	0.00000477	0.0000415	—	NA	NA	NA	—	—	0.000278	0.0000989
RE02-07-1570	02-600386	2.0–2.5	QAL	0.0000121	0.00000456	0.000000763 (J)	0.00000696	—	—	—	—	—	—	0.0000474	0.0000148
RE02-07-1571	02-600386	4.5–5.3	QAL	0.0000177	0.00000674	0.00000121 (J)	0.00000932	—	0.000509 (J+)	—	—	—	—	0.0000427	0.0000215
RE02-07-1572	02-600387	0.0–0.5	ALLH	0.00000486	0.00000166 (J)	0.0000005 (J)	0.00000273	0.0252 (J)	NA	NA	NA	—	—	0.0012	0.00022
RE02-07-1573	02-600387	2.0–2.6	QAL	0.00000182 (J)	0.000000621 (J)	—	0.000000981 (J)	0.0184 (J)	—	—	—	—	—	0.00123	0.000248
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.000193	0.0000737	0.0000106	0.00012	0.742 (J)	NA	NA	NA	—	—	0.000436	0.000191
RE02-07-1877	02-600449	2.0–4.5	QAL	0.000101	0.00004	0.00000569	0.0000637	0.0127 (J)	—	—	—	—	—	0.000145	0.00012
RE02-07-1878	02-600449	4.5–9.5	QAL	0.00000641	0.00000263	0.00000051 (J)	0.0000043	—	—	—	—	—	—	0.0000134	0.0000057
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.000042	0.0000155	0.00000374	0.0000298	0.0725	NA	NA	NA	—	—	0.000123	0.0000711 (J)
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—	—	0.000000357 (J)	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.00000593	0.00000337	0.000000771 (J)	0.00000534	0.188 (J)	NA	NA	NA	0.0611	0.0971	0.000208	0.0000238 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	0.00000586	0.00000254	0.000000406 (J)	0.00000368	0.0395	—	—	—	0.0121 (J)	0.0272 (J)	0.0000843	0.0000136
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	0.000000689 (J)	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.000000952 (J)	0.000000344 (J)	—	0.000000695 (J)	0.0703	NA	NA	NA	—	—	0.000222	0.000035 (J)
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	0.000000962 (J)	0.000000562 (J)	—	0.000000718 (J)	—	NA	NA	NA	—	—	0.000428	0.0000113
RE02-07-2509	02-600563	4.5–10.0	QAL	0.0000000972 (J)	—	—	—	—	—	—	—	—	—	0.0000265	0.0000009 (J)
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000413	0.0000024 (J)
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	0.0000000642 (J)	—	—	—	—	—	—	0.0000162	0.000000862 (J)
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.000301	0.000105	0.0000166	0.000157	0.117	NA	NA	NA	—	—	0.000552	0.000391
RE02-07-1883	02-600450	4.5–10.0	QAL	0.000000608 (J)	—	—	—	—	—	—	—	—	—	0.00000111 (J)	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	NA	NA	NA	NA	0.103	NA	NA	NA	0.00793 (J)	0.015 (J)	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389[f]**	**490**	**300[g]**	**300**	**na**	**na**
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000235	0.00000119 (J)
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—	—	0.0000142	0.000000752 (J)
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	0.00000168 (J)	—
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	0.00000177 (J)	0.000000917 (J)	—	0.00000131 (J)	1.36 (J)	NA	NA	NA	—	—	0.000762	0.0000278
RE02-07-2359	02-600532	4.5–9.5	QAL	0.000000642 (J)	0.000000318 (J)	—	—	—	—	—	—	—	—	0.0000772	0.0000039 (J)
RE02-07-2361	02-600532	9.5–12.5	QAL	0.000000459 (J)	—	—	0.000000282 (J)	—	—	—	—	—	—	0.00113	0.0000639
RE02-07-2362	02-600533	0.0–0.5	ALLH	0.000000201 (J)	0.000000138 (J)	—	—	0.022 (J)	NA	NA	NA	—	—	0.000129	0.00000561
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000434	0.00000142 (J)
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	0.000241	0.00000837
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	0.00273 (J)	—	—	0.0000118	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	0.000000119 (J)	—	—	—	—	NA	NA	NA	—	—	0.0000768	0.00000438 (J)
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	0.000000164 (J)	—	—	—	—	—	—	0.000382	0.0000123
RE02-07-2369	02-600534	14.5–20.0	QBO	0.000000237 (J)	—	—	0.000000125 (J)	—	—	—	—	—	—	0.00038	0.0000163
AOC 02-011(a)(viii)															
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.0000003 (J)	—	0.000000363 (J)	—	NA	NA	NA	—	—	0.000248	0.00000935
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	0.0000741	0.00000308 (J)
RE02-07-2422	02-600542	10.0–12.2	QAL	0.000000251 (J)	—	—	—	—	—	—	—	—	—	0.000388	0.0000194
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—	—	0.000003 (J)	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	0.000000581 (J)	0.000000347 (J)	—	—	0.0703	NA	NA	NA	0.0176 (J)	0.0336 (J)	0.000233	0.0000161
RE02-07-2425	02-600543	9.5–11.0	QAL	0.000000282 (J)	—	—	0.000000156 (J)	0.0126 (J)	—	—	—	—	—	0.000084	0.00000382 (J)
RE02-07-2426	02-600543	19.5–22.0	QBO	0.00000033 (J)	—	—	—	—	—	—	0.00361 (J)	—	—	0.0000114	0.000000818 (J)
AOC 02-011(a)(ix)															
RE02-07-1763	02-600431	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1765	02-600431	15.0–21.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1768	02-600432	0.0–0.5	ALLH	NA	NA	NA	NA	0.145	NA	NA	NA	—	—	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1770	02-600432	14.0–19.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389**[f]	**490**	**300**[g]	**300**	**na**	**na**
RE02-07-6823	02-600432	24.5–29.0	QBO	NA	NA	NA	NA	—	—	—	0.00322 (J)	—	—	NA	NA
RE02-07-1773	02-600433	0.0–0.5	ALLH	NA	NA	NA	NA	0.107	NA	NA	NA	0.0194 (J)	0.0278 (J)	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	NA	NA	NA	NA	0.0412	NA	NA	NA	—	0.0125 (J)	NA	NA
RE02-07-1781	02-600434	7.5–16.0	QAL	NA	NA	NA	NA	0.0206 (J)	—	—	—	—	—	NA	NA
RE02-07-1783	02-600435	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	NA	NA	NA	NA	—	—	0.000534 (J)	—	—	0.0176 (J)	NA	NA
RE02-07-1788	02-600436	0.0–0.5	ALLH	NA	NA	NA	NA	0.0376	NA	NA	NA	0.00962 (J)	0.0231 (J)	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	NA	NA	NA	NA	0.0282 (J)	NA	NA	NA	—	—	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	NA	NA	NA	NA	0.0494	NA	NA	NA	—	—	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1803	02-600439	0.0–0.5	ALLH	NA	NA	NA	NA	0.0272 (J)	NA	NA	NA	—	—	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	NA	NA	NA	NA	0.0147 (J)	—	—	—	—	—	NA	NA
RE02-07-1808	02-600440	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1813	02-600441	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1816	02-600441	10.0–15.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1818	02-600442	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1820	02-600442	15.0–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1822	02-600443	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1824	02-600443	4.0–8.0	QAL	NA	NA	NA	NA	—	0.000401 (J)	—	—	—	—	NA	NA
RE02-07-1826	02-600443	10.0–12.5	QBO	NA	NA	NA	NA	—	0.00072 (J)	—	—	—	—	NA	NA
RE02-07-1825	02-600443	15.0–17.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1828	02-600444	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1830	02-600444	13.5–20.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1833	02-600445	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial SSLs[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389**[f]	**490**	**300**[g]	**300**	**na**	**na**
RE02-07-1835	02-600445	13.0–18.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1838	02-600446	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1840	02-600446	13.0–18.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1843	02-600447	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1844	02-600447	8.5–13.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1848	02-600448	0.0–0.5	ALLH	NA	NA	NA	NA	0.0436 (J)	NA	NA	NA	—	—	NA	NA
AOC 02-011(a)(x)															
0402-95-0303	02-01162	0.5–0.8333	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0305	02-01162	2.5–3.5	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0304	02-01162	8.0–9.0	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0306	02-01162	12.5–13.5	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3062	02-600660	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	NA	NA	NA	NA	0.0838	NA	NA	NA	0.0408	0.0861	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3071	02-600661	11.0–14.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3070	02-600661	14.5–19.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3072	02-600662	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3077	02-600663	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	0.0123 (J)	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3087	02-600665	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3090	02-600665	13.5–18.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-6835	02-600665	19.5–23.5	QBO	NA	NA	NA	NA	—	—	—	0.00295 (J)	—	—	NA	NA
RE02-07-3092	02-600666	0.0–0.5	ALLH	NA	NA	NA	NA	0.102	NA	NA	NA	—	0.0112 (J)	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	0.00000644	0.00004	0.0316 (J)	0.0738	0.000000201	0.0000213	NA	NA	NA	NA	NA
RE02-07-1567	02-600385	2.0–3.0	QAL	—	0.00000164 (J)	0.0000101	—	—	—	0.00000571	0.000337 (J)	NA	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	0.0000247	0.000143	0.0153 (J)	0.0435	—	0.0000865	NA	NA	NA	NA	NA
RE02-07-1570	02-600386	2.0–2.5	QAL	—	0.00000405	0.0000234	—	—	—	0.0000129	0.000517 (J)	NA	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	0.00000601	0.0000353	—	0.0211 (J)	—	0.0000195	0.000447 (J+)	NA	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	0.000000204 (J)	0.00000101 (J)	0.00000652	0.0317 (J)	0.0771	—	0.00000377	NA	NA	NA	NA	NA
RE02-07-1573	02-600387	2.0–2.6	QAL	0.000000156 (J)	—	0.00000155 (J)	0.0212 (J)	0.0423	—	0.000000867 (J)	0.000465 (J)	NA	—	—	—
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	0.0000574	0.000364	1.68	3.82	—	0.000175	NA	NA	NA	NA	NA
RE02-07-1877	02-600449	2.0–4.5	QAL	0.00000022 (J)	0.0000331	0.000214	0.0134 (J)	0.0353 (J)	—	0.000104	—	NA	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	0.0000019 (J)	0.0000128	—	—	—	0.00000639	—	NA	—	—	—
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.000000238 (J)	0.0000115	0.0000857	0.255	0.515	—	0.0000359	NA	21 (J)	NA	NA	NA
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	1.59 (J)	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	1.59 (J)	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.000000316 (J)	0.00000204 (J)	0.0000148	0.68	0.8 (J)	—	0.00000684	NA	20.9 (J)	NA	NA	NA
RE02-07-1633	02-600407	4.5–10.0	QAL	—	0.00000187 (J)	0.000011	0.105	0.158	—	0.00000541	—	—	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	0.0000014 (J)	0.158	0.369	—	0.00000099 (J)	NA	10	NA	NA	NA
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	0.000000263 (J)	0.00000135 (J)	0.0286 (J)	0.0812 (J)	—	0.000000855 (J)	NA	NA	NA	NA	NA
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	—	—	0.000000101 (J)	—	NA	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	0.0000828	0.000511	0.123	0.313	—	0.00025	NA	NA	NA	NA	NA
RE02-07-1883	02-600450	4.5–10.0	QAL	—	0.000000229 (J)	0.0000011 (J)	—	—	—	0.000000712 (J)	—	NA	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	NA	NA	NA	0.134	0.176	NA	NA	NA	NA	NA	NA	NA
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	0.00000047 (J)	—	—	—	0.000000539 (J)	—	NA	—	—	—

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	0.000000552 (J)	0.00000299	1.03	10.3	—	0.00000172	NA	NA	NA	NA	NA
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	0.000000385 (J)	—	0.013 (J)	—	—	—	NA	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	0.000000263 (J)	0.035	0.0982	—	—	NA	NA	NA	NA	NA
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	0.156	0.279	—	0.000000124 (J)	NA	NA	NA	NA	NA
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	0.000000133 (J)	—	—	—	0.0000000866 (J)	—	NA	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(viii)															
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	0.000000761 (J)	0.0402	0.0952	—	0.00000045 (J)	NA	NA	NA	NA	NA
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	0.000000732 (J)	0.195	0.228	—	—	NA	NA	NA	NA	NA
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	0.000000293 (J)	0.0416	0.0726	—	—	—	NA	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	0.000000534 (J)	—	—	—	0.000000278 (J)	—	NA	—	—	—
AOC 02-011(a)(ix)															
RE02-07-1763	02-600431	0.0–0.5	ALLH	NA	NA	NA	0.0611	0.178	NA	NA	NA	NA	NA	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	NA	NA	NA	0.317	1.3	NA	NA	NA	16.8 (J)	NA	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	NA	NA	NA	0.0216 (J)	0.0252 (J)	NA	NA	—	6.08	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	NA	NA	NA	—	—	NA	NA	—	567	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	NA	NA	NA	0.285	0.391	NA	NA	NA	NA	NA	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	NA	NA	NA	0.089	0.122	NA	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1781	02-600434	7.5–16.0	QAL	NA	NA	NA	0.0488	0.0523	NA	NA	—	NA	—	—	—
RE02-07-1783	02-600435	0.0–0.5	ALLH	NA	NA	NA	0.016 (J)	0.0273 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	NA	NA	NA	0.0194 (J)	0.0202 (J)	NA	NA	—	NA	0.00329	0.00101 (J)	0.000249 (J)
RE02-07-1788	02-600436	0.0–0.5	ALLH	NA	NA	NA	0.104	0.118	NA	NA	NA	NA	NA	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	NA	NA	NA	0.0413	0.0665	NA	NA	NA	NA	NA	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	NA	NA	NA	0.0577	0.146	NA	NA	NA	NA	NA	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	NA	NA	NA	0.073	0.11	NA	NA	NA	NA	NA	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	NA	NA	NA	0.0289 (J)	0.0666	NA	NA	—	NA	—	—	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	NA	NA	NA	0.0267 (J)	0.0366 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	NA	NA	NA	0.0939	0.368	NA	NA	NA	—	NA	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	NA	NA	NA	—	—	NA	NA	—	2.1 (J)	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	NA	NA	NA	0.0438	0.0773	NA	NA	NA	NA	NA	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	NA	NA	NA	0.0449	0.12	NA	NA	NA	13.8 (J)	NA	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	NA	NA	NA	0.0379	0.0774 (J)	NA	NA	—	77.3	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	NA	NA	NA	—	—	NA	NA	0.000362 (J)	4.33 (J)	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1825	02-600443	15.0–17.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	NA	NA	NA	—	0.0954	NA	NA	NA	NA	NA	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	NA	NA	NA	—	0.0203 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1835	02-600445	13.0–18.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	NA	NA	NA	—	—	NA	NA	NA	NA	NA	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	NA	NA	NA	0.0587	0.13	NA	NA	NA	NA	NA	NA	NA

Table 2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial SSLs[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1844	02-600447	8.5–13.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	NA	NA	NA	0.0977	0.109	NA	NA	NA	NA	NA	NA	NA
AOC 02-011(a)(x)															
0402-95-0303	02-01162	0.5–0.8333	QBT2	NA	NA	NA	—	—	NA	NA	0.001 (J)	—	—	—	—
0402-95-0305	02-01162	2.5–3.5	QBT2	NA	NA	NA	—	—	NA	NA	—	125	—	—	—
0402-95-0304	02-01162	8.0–9.0	QBT2	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
0402-95-0306	02-01162	12.5–13.5	QBT2	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	NA	NA	NA	—	—	NA	NA	NA	NA	NA	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	NA	NA	NA	0.437	0.485	NA	NA	NA	NA	NA	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	NA	NA	NA	0.0122 (J)	0.0184 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	NA	NA	NA	—	—	NA	NA	0.00097 (J)	NA	—	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	NA	NA	NA	0.0277 (J)	0.0286 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	NA	NA	NA	0.0113 (J)	0.0182 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	NA	NA	NA	0.0282 (J)	0.0428	NA	NA	NA	52.3 (J)	NA	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	NA	NA	NA	0.189	0.33	NA	NA	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

[g] Naphthalene used as a surrogate.

[h] Value from EPA Region 6 (2007, 095866).

[i] Value from NMED (2006, 094614).

Table 2.24-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
SED BV/FV[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
AOC 02-011(a)(i)											
0402-95-0314	02-01157	0.0–0.5	ALLH	—[e]	—	—	—	—	0.164012	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	—	0.0130229	—	—
AOC 02-011(a)(ii)											
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	—	0.159	—	—	—
AOC 02-011(a)(iii)											
0402-95-0315	02-01158	0.0–0.5	ALLH	—	—	—	—	—	0.249883	—	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	0.0502123	—	—
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	—	0.0335758	—	—
AOC 02-011(a)(iv)											
0402-95-0316	02-01159	0.0–0.5	ALLH	—	—	—	1.19	—	0.300498	—	—
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	0.762	—	0.00626353	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	—	0.0970386	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	0.0353	—	—	—
AOC 02-011(a)(v)											
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	0.0792198	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	0.0564444	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	0.303	—	—	—	—	—
AOC 02-011(a)(vi)											
0402-95-0309	02-01149	0.0–1.0	ALLH	—	—	—	—	0.124	0.0661905	—	—
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	3.66	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.164	0.0336043	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.149	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	0.0924	—	—	—	0.182 (J-)	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	0.0369992	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	0.0367991	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	—	0.073	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	0.165 (J-)	—	—	—
AOC 02-011(a)(viii)											
CA02-00-0192	02-01152	0.0–0.5	SED	—	—	—	0.598	1.87	0.278969 (J+)	—	—
0402-95-0313	02-01152	0.0–1.0	SED	—	—	—	0.38	0.184	0.209955	—	—
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	0.169	—	0.0508	0.0372	—	—

Table 2.24-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO BV/FV[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
RE02-03-51826	02-22352	3.0–3.5	ALLH	—	—	0.432	0.0519	—	0.14	—	—
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	—	—	0.659	—	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	—	—	0.773	—	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	—	—	0.548	—	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	—	—	0.487	—	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	—	0.0893	—	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	—	—	0.679	—	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	—	—	0.43	—	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	—	—	0.0207542	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	0.114549	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	0.195
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	—	—	0.0437816	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	—	—	0.0996667	—	—
AOC 02-011(a)(ix)											
CA02-00-0320	02-01150	0.0–0.5	SED	—	—	—	—	1.66	—	—	—
0402-95-0310	02-01150	0.0–1.0	SED	—	—	—	—	0.301	0.215615	—	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	—	0.82	—	2.66	—
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	—	0.0137	—	—
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	0.0358	0.0087	—	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	—	—	0.0971	—	—	0.004	—	—
RE02-03-51857	02-22367	5.0–5.5	ALLH	—	—	—	—	—	0.0353	—	—
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	—	—	0.0458426	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	—	0.0247832	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	—	—	—	—	0.232
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	—	—	0.071641	—	—
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	—	0.168751	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	—	—	—	—	—	—	—	0.189
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	—	0.0674906	—	—
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	—	0.133842	—	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	—	0.0195434	—	—
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	0.137	—	—	0.101618	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	—	—	—	0.261
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	—	—	0.0513659	—	—

Table 2.24-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO BV/FV[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
RE02-07-1823	02-600443	2.0–4.0	QAL	—	—	0.202	—	0.0794	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	0.0889	—	—	0.0317071	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	0.235	—	—	—	—	—	—
RE02-07-1836	02-600445	26.0–28.5	QBO	—	—	—	—	—	—	—	0.197
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	—	0.0402612	—	—
AOC 02-011(a)(x)											
CA02-00-0193	02-01153	0.0–0.5	SED	—	—	—	—	1.67 (J-)	0.104333 (J+)	—	—
0402-95-0318	02-01153	0.0–1.0	SED	—	—	—	—	0.289	0.115	—	—
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	—	1.15	—	—	—
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	—	0.031	—	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	0.0344	—	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	0.0207	—	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	0.0415	—	—	—	—	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	0.0158	—	—
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	—	0.0282	—	—
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	0.121	—	—	—	—	—
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	0.0542	—	—
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	0.148	—	—
RE02-03-51883	02-22380	4.0–4.5	ALLH	—	—	—	—	—	0.0131	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.057	0.00498927	—	—
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	0.0194178	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	0.0166154	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	—	—	0.1	0.017719	—	—
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	—	0.0792273	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	—	—	—	—	—	0.0570732	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	0.0422697	—	—
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	—	—	—	0.125759	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.0783	0.00416427	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	—	—	—	—	0.194
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	—	—	—	0.785	—	—	—

Table 2.24-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO BV/FV[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial SALs[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.25-1
Summary of Inorganic Chemicals above BV at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Cadmium	Chromium	Chromium hexavalent ion	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Selenium	Uranium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**0.4**	**19.3**	**na[b]**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**1.52**	**1.82**	**48.8**
QBO BV[a]				**3560**	**0.56**	**0.4**	**2.6**	**na**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**0.3**	**0.72**	**40**
QBT3 BV[a]				**7340**	**2.79**	**1.63**	**7.14**	**na**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**0.3**	**2.4**	**63.5**
SED BV[a]				**15400**	**3.98**	**0.4**	**10.5**	**na**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**0.3**	**2.22**	**60.2**
Industrial SSLs[c]				**100000**	**17.7**	**564**	**5000[d]**	**3400**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**5680**	**200[e]**	**100000**
CA02-00-0309	02-01239	3.0–4.0	ALLH	—[f]	—	—	—	NA[g]	—	—	—	—	—	NA	—	6.83	55
CA02-00-0311	02-01239	11.5–13.0	ALLH	—	—	—	37	NA	—	—	—	—	20	NA	—	—	—
CA02-00-0312	02-01239	14.0–15.0	QBT3	8100 (J-)	—	—	—	NA	—	—	—	—	—	NA	0.32 (U)	—	—
RE02-07-892	02-600211	0.0–0.5	SED	—	—	—	—	0.454 (J)	—	21.2	—	0.461 (J-)	—	2.28 (J)	0.845 (J)	NA	70.1 (J)
RE02-07-897	02-600212	0.0–0.5	SED	—	—	—	—	0.693 (J)	—	20.8	—	0.193 (J-)	—	2.11 (J)	1.55 (U)	NA	64.1 (J)
RE02-07-902	02-600213	0.0–0.5	SED	—	—	—	—	0.602 (J)	—	23.2	—	0.123 (J-)	—	5.02 (J)	1.55 (U)	NA	65.2 (J)
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.503 (U)	—	0.0852 (J)	—	—	—	—	—	1.98 (J)	1.51 (U)	NA	64.2 (J)
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	0.502 (U)	—	0.171 (J)	—	—	—	—	—	—	—	NA	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	0.512 (U)	—	0.176 (J)	—	—	—	—	—	3.48 (J)	1.54 (U)	NA	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	—	—	—	—	—	—	0.174	—	1.43	2.09	NA	52.4
RE02-07-916	02-600215	9.5–11.4	QAL	—	—	0.553 (U)	—	0.0804 (J)	—	—	980 (J+)	—	—	—	3.71	NA	—
RE02-07-915	02-600215	14.5–16.7	QBO	6720	0.64 (J)	0.616 (U)	—	—	5510	—	—	—	2.46 (J+)	—	1.43 (J)	NA	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

[f] — = Analyte not reported (detect or nondetect) above BV or not detected.

[g] NA = Not analyzed.

Table 2.25-2
Summary of Organic Chemicals Detected at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
RE02-07-892	02-600211	0.0–0.5	SED	—[c]	0.0127 (J)	0.103	0.15	0.0937	0.111 (J)	0.169 (J)	0.0604 (J)	0.0581 (J)
RE02-07-897	02-600212	0.0–0.5	SED	—	0.0138 (J)	0.153	0.212	0.0843	0.113	0.163	0.085	—
RE02-07-902	02-600213	0.0–0.5	SED	0.0321 (J)	0.0453	0.159	0.191	0.112	0.119 (J)	0.144 (J)	0.0901 (J)	0.0782 (J)
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.0043	0.0045	0.0119 (J)	—	0.0143 (J)	—	—
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	0.0283	0.022	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	0.0194 (J)	—	—	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	0.0248	0.0139	—	—	0.0128 (J)	—	—

Table 2.25-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene
Industrial SSLs[b]				**1370**	**2310**	**24400**	**26500**	**23.4**	**300[d]**	**300**	**20500**	**30900**
RE02-07-892	02-600211	0.0–0.5	SED	—	0.107	0.171	—	0.051 (J)	—	—	0.0736	0.167
RE02-07-897	02-600212	0.0–0.5	SED	—	0.121	0.205	—	0.0747	—	—	0.093	0.176
RE02-07-902	02-600213	0.0–0.5	SED	0.137 (J)	0.114	0.19	0.0244 (J)	0.0792 (J)	0.0151 (J)	0.0239 (J)	0.158	0.21
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.0161 (J)	—	—	—	—	—	0.0136 (J)
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	—	—	—	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	0.0109 (J)	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

Table 2.25-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 BV/FV[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED BV/FV[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial SALs[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
0402-95-0282	02-01107	0.0–1.0	ALLH	—[e]	0.55	—	0.695	—	0.121982	—	—	—
0402-95-0283	02-01110	0.0–1.0	QBT2	—	—	—	0.017	—	0.0940286	—	—	—
0402-95-0284	02-01110	4.0–5.0	QBT2	—	21.69	—	1.321	2.4	0.174545	2.3	0.24	2.26
0402-95-0285	02-01110	7.5–8.5	QBT2	—	0.64	—	0.016	0.39	0.108571	—	—	—
0402-95-0286	02-01110	11.0–12.0	QBT2	—	—	—	—	—	0.384894	—	—	—
CA02-00-0308	02-01239	0.0–1.0	SED	—	—	—	0.289	—	—	—	—	—
CA02-00-0309	02-01239	3.0–4.0	ALLH	—	16.7	0.0255	4.41	2.46	0.0867606	6.33	0.248 (J-)	6.09
CA02-00-0310	02-01239	6.0–7.0	ALLH	0.0803	0.102	—	0.187	0.741	—	—	—	—
CA02-00-0311	02-01239	11.5–13.0	ALLH	—	0.107	—	0.107	—	0.0583937	—	—	—
CA02-00-0312	02-01239	14.0–15.0	QBT3	—	—	—	—	—	0.0767308	2.51	0.094	2.44
RE02-07-892	02-600211	0.0–0.5	SED	—	—	—	0.502	—	—	—	—	—
RE02-07-897	02-600212	0.0–0.5	SED	—	—	—	0.605	—	—	—	—	—
RE02-07-902	02-600213	0.0–0.5	SED	—	23.3	—	0.845	—	—	—	—	—
RE02-07-907	02-600214	0.0–0.5	SED	—	—	—	0.135	—	—	—	—	—
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	—	0.133	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	6.38	—	0.75	0.563	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	5.92	—	1.84	0.625	—	3.68	0.274	3.52
RE02-07-915	02-600215	14.5–16.7	QBO	—	—	—	—	—	—	—	0.224	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.26-1
Summary of Inorganic Chemicals above BV at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Iron	Nitrate	Perchlorate	Selenium	Zinc
ALLH/QAL BV[a]				**29200**	**8.17**	**295**	**0.4**	**21500**	**na[b]**	**na**	**1.52**	**48.8**
QBO BV[a]				**3560**	**0.56**	**25.7**	**0.4**	**3700**	**na**	**na**	**0.3**	**40**
Industrial SSLs[c]				**100000**	**17.7**	**100000**	**564**	**100000**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-2563	02-600573	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	65.2
RE02-07-2564	02-600573	4.5–9.0	QAL	—	—	—	0.535 (U)	—	31.9	0.000559 (J)	1.61 (U)	—
RE02-07-2565	02-600573	9.0–16.0	QAL	—	—	—	0.529 (U)	—	1.84	—	1.7	—
RE02-07-2566	02-600573	16.0–19.5	QBO	9810	0.892 (J)	27.7	0.597 (U)	4910	—	—	1.52 (J)	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730.)

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.26-2
Summary of Organic Chemicals Detected at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Di-n-butylphthalate	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]
Industrial SSLs[a]				**8.26**	**8.26**	**23.4**	**68400**	**24400**	**na**[b]	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2563	02-600573	0.0–0.5	ALLH	0.0518	0.12	0.0137 (J)	—[c]	0.0143 (J)	0.000532	0.000132	0.0000156	0.00000376	0.0000163	0.00000815	0.00000519	0.0000012 (J)
RE02-07-2564	02-600573	4.5–9.0	QAL	—	—	—	—	—	0.00000225 (J)	0.000000865 (J)	0.000000147 (J)	—	—	—	0.000000135 (J)	—
RE02-07-2565	02-600573	9.0–16.0	QAL	—	—	—	—	—	0.000000504 (J)	0.000000405 (J)	—	—	—	—	—	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	—	—	0.043 (J)	—	0.000000119 (J)	—	—	—	—	—	—	—

Table 2.26-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial SSLs[a]				**na**	**na**	**na**	**na**	**na**	**na**	**30900**	**0.00018**[d]	**na**	**252**
RE02-07-2563	02-600573	0.0–0.5	ALLH	0.00000674	0.00536	0.000272 (J)	0.00000119 (J)	0.000000881 (J)	0.00000262	0.0177 (J)	0.000000661	0.00000126	NA[e]
RE02-07-2564	02-600573	4.5–9.0	QAL	0.0000000823 (J)	0.0000162	0.00000154 (J)	—	0.0000000726 (J)	0.0000000472 (J)	—	—	—	0.000674 (J)
RE02-07-2565	02-600573	9.0–16.0	QAL	—	0.00000319 (J)	0.000000502 (J)	—	—	—	—	—	0.0000000981 (J)	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	—	0.000000143 (J)	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] All values from NMED (2006, 092513) unless otherwise noted.

[b] na = Not available.

[c] — = Analyte not detected.

[d] Value from EPA Region 6 (2007, 095866).

[e] NA = Not analyzed.

Table 2.26-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Strontium-90[a]	Tritium[a]
QAL BV/FV[b]				**1.31**	**na[c]**
QBO BV/FV[b]				**na**	**na**
Industrial SALS[d]				**1900**	**440000**
RE02-07-2564	02-600573	4.5–9.0	QAL	—[e]	0.0307778
RE02-07-2565	02-600573	9.0–16.0	QAL	0.263	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	0.0669512

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.27-1
Summary of Inorganic Chemicals above BV at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Arsenic	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Lead	Nitrate	Perchlorate	Silver	Zinc
ALLH/QAL BV[a]				**8.17**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**22.3**	**na**	**na**	**1**	**48.8**
SED BV[a]				**3.98**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**19.7**	**na**	**na**	**1**	**60.2**
Industrial SSLs[c]				**17.7**	**564**	**na**	**5000**[d]	**3400**	**45400**	**800**	**100000**	**790**[d]	**5680**	**100000**
CA02-00-0319	02-01247	0.0–0.5	SED	8.7	0.69 (J+)	11000	240	NA[e]	41	35	NA	NA	—[f]	190 (J+)
CA02-00-0324	02-01248	0.0–0.5	SED	—	—	—	61	NA	—	24	NA	NA	1.1	92 (J+)
RE02-07-2571	02-600574	0.0–0.5	ALLH	—	—	—	27.1	—	27.7	44.4	—	0.00111 (J)	—	134
RE02-07-2572	02-600574	2.0–2.5	QAL	—	—	—	38.2	0.775	16.3 (J)	27.9 (J)	3.32 (J-)	0.000995 (J)	—	113

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] NA = Not analyzed.

[f] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 2.27-2
Summary of Organic Chemicals Detected at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]
Industrial SSLs[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**
RE02-07-2571	02-600574	0.0–0.5	ALLH	0.0223 (J)	0.0286 (J)	0.12 (J+)	0.0831 (J+)	0.082	0.103	0.129	0.0544
RE02-07-2572	02-600574	2.0–2.5	QAL	—[c]	—	0.0881 (J+)	0.0665 (J+)	—	—	0.0195 (J)	—

Table 2.27-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene
Industrial SSLs[b]				**2310**	**24400**	**26500**	**23.4**	**300[d]**	**300**	**20500**	**30900**
RE02-07-2571	02-600574	0.0–0.5	ALLH	0.0917	0.153	0.0181 (J)	0.0482	0.00869 (J)	0.0164 (J)	0.13	0.159
RE02-07-2572	02-600574	2.0–2.5	QAL	0.0116 (J)	0.0192 (J)	—	—	—	—	0.0121 (J)	0.0192 (J)

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

Table 2.27-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234
ALLH/QAL BV/FV[b]				**1.65**	**na[c]**	**0.054**	**na**	**2.59**
SED BV/FV[b]				**0.9**	**na**	**0.068**	**0.093**	**2.59**
Industrial SALs[d]				**23**	**5.1**	**210**	**440000**	**1500**
0402-95-0311	02-01151	0.0–1.0	ALLH	0.79	1.66	0.139	0.103046	2.87
0402-95-0320	02-01155	0.0–0.5	ALLH	—[e]	—	0.463	0.074978	—
0402-95-0321	02-01155	1.0–2.0	ALLH	0.2	—	0.512	0.0688987	—
CA02-00-0319	02-01247	0.0–0.5	SED	—	0.471	0.608	—	2.66
CA02-00-0324	02-01248	0.0–0.5	SED	—	0.0702	1.28	—	—
RE02-07-2571	02-600574	0.0–0.5	ALLH	1.66	2.19	0.397	0.00929508	—
RE02-07-2572	02-600574	2.0–2.5	QAL	1.1	1.35	0.574 (J-)	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 2.29-1
Summary of Inorganic Chemicals above BV at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Cyanide (Total)
ALLH/QAL BV[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**0.5**
QBO BV[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**0.5**
Industrial SSLs[b]				**100000**	**454**	**17.7**	**100000**	**564**	**5000**[c]	**45400**	**13700**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—[d]	—	—	—	0.883	—	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	—	—	—	0.538 (U)	—	—	—
RE02-07-1729	02-600418	14.0–19.0	QBO	4000 (J+)	—	1.27 (J)	—	0.568 (U)	6.64 (U)	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	—	—	0.549 (U)	—	—	—
RE02-07-1735	02-600419	9.0–16.0	QBO	5260 (J+)	0.506 (UJ)	1.7 (J)	—	0.63 (U)	7.58 (U)	—	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	—	—	—	0.528 (U)	—	—	—
RE02-07-1738	02-600420	4.5–9.0	QAL	—	—	—	—	—	—	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	7200 (J+)	—	1.73	47.1 (J)	0.574 (U)	14.8	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	0.563 (U)	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	0.557 (U)	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	9570	—	1.56 (J)	39.9	0.573 (U)	3.55 (U)	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	—	—
RE02-07-1899	02-600453	4.5–10.0	QAL	—	—	—	—	—	—	43	—
RE02-07-1901	02-600453	10.0–20.0	QBO	5550	—	1.97	27.6	0.57 (U)	27.1	104	0.69
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	—	—	—	—	—	—	—
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	—	—	0.548 (U)	—	—	—
RE02-07-1906	02-600454	9.5–16.0	QBO	9280	—	2.63	92.7	0.574 (U)	4.48 (U)	3.98 (U)	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	—	—	—	0.514 (U)	—	—	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	0.53 (U)	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	3870	—	1.21 (J)	—	0.569 (U)	26	4.28 (U)	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	—	—	0.496 (U)	—	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	—	—	—	—	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	9770	—	1.04 (J)	45.7 (J-)	0.592 (U)	16.7 (J)	4.05	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	—	—	0.504 (U)	—	—	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	—	—	0.538 (U)	—	—	—
RE02-07-2083	02-600486	16.0–21.0	QBO	6820	0.508 (UJ)	0.712 (J)	—	0.619 (U)	3.96	—	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	—	—	—	0.493 (U)	—	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	—	—	0.525 (U)	—	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	8930	—	0.69 (J)	—	0.566 (U)	7.86	—	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	—	—	0.503 (U)	35.5 (J)	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	0.525 (U)	—	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	9800	—	1.78 (J)	39.1 (J-)	0.598 (U)	8.69 (J)	—	—
RE02-07-6821	02-600420	14.5–19.0	QBO	5230 (J+)	0.51 (U)	1.94 (U)	—	0.648 (U)	9.68 (J+)	—	—

Table 2.29-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL BV[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na[e]**	**na**	**1.52**	**39.6**	**48.8**
QBO BV[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial SSLs[b]				**100000**	**800**	**48400**	**340[c]**	**22700**	**100000**	**790[c]**	**5680**	**1140**	**100000**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—	—	—	1.21	—	—	—	—	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	—	—	—	—	2.6 (J-)	0.00174 (J)	2.67	—	—
RE02-07-1729	02-600418	14.0–19.0	QBO	4810	—	—	—	—	—	—	0.945 (J)	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	23.4	—	0.201	—	1.22 (J-)	—	—	—	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	—	—	—	7.39 (J-)	0.000582 (J)	—	—	—
RE02-07-1735	02-600419	9.0–16.0	QBO	6380	—	250	—	—	—	—	1.95	5.76	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	—	—	0.229	—	—	—	—	—	69.9
RE02-07-1738	02-600420	4.5–9.0	QAL	—	—	—	—	—	5.8 (J-)	—	1.73	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	5500	—	203	—	2.71 (J)	1.1 (J-)	—	1.93	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	—	—	0.194	—	1.27	0.00172 (J)	—	—	52.7
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	1.15 (J+)	—	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	7290 (J-)	—	425	—	2.08	—	—	1.57 (J)	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	—	—	2.39	—	2.1	—	56.9
RE02-07-1899	02-600453	4.5–10.0	QAL	—	—	—	—	—	1.8 (J+)	—	—	—	183
RE02-07-1901	02-600453	10.0–20.0	QBO	7830 (J-)	—	300	—	2.78	—	—	1.22 (J)	6.84	56.8
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	—	—	—	—	1.21 (J+)	—	—	—	560
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1906	02-600454	9.5–16.0	QBO	8160 (J-)	—	688	—	3.38	—	—	1.64 (J)	6.95	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	—	—	—	—	—	0.000624 (J)	2.33	—	63.3
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	—	6.92 (J+)	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	5810 (J-)	—	203	—	2.81	1.64	—	1.44 (J)	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	—	4.65 (J)	—	1.33	—	—	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	—	0.212	—	1.05 (J)	—	—	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	6980	—	293 (J)	—	2.55	—	—	1.78 (U)	6.49	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	—	2.49 (J)	—	—	0.000514 (J)	—	—	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	—	—	—	—	—	1.61 (U)	—	—
RE02-07-2083	02-600486	16.0–21.0	QBO	5720	—	244 (J+)	—	—	—	—	1.86 (U)	—	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	—	—	0.67 (J)	—	—	—	—	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	—	—	—	0.847 (J-)	—	1.58 (U)	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	5210 (J)	—	192 (J+)	—	—	—	—	0.689 (J)	—	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	—	0.408 (J)	—	—	—	—	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	1.04 (J)	—	1.57 (U)	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	6840	—	473 (J)	—	2.85	—	—	0.873 (J)	6.72	—
RE02-07-6821	02-600420	14.5–19.0	QBO	4840	—	—	—	—	—	—	6.41	—	—

Note: All values in mg/kg.
[a] BVs are from LANL (1998, 059730).
[b] All values from NMED (2006, 092513) unless otherwise noted.
[c] EPA Region 6 (2007, 095866).
[d] — = Analyte not reported (detect or nondetect) above BV or not detected.
[e] na = Not available.

Table 2.29-2
Summary of Organic Chemicals Detected at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chloroform	Chrysene	Di-n-butylphthalate	Dibenzofuran
Industrial SSLs[b]				**33500**	**100000**	**23.4**	**2.34**	**23.4**	**30900**	**9.59**	**2310**	**68400**	**1620**
RE02-07-1727	02-600418	0.0–0.5	ALLH	0.0379	0.0533	0.0932	0.0973	0.151	—[c]	NA[d]	0.0938	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	0.0273 (J)	0.107	0.0963	0.165	0.0508	—	0.115	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	0.181	0.282	0.477	0.537	0.787	0.186	NA	0.466	—	0.109 (J)
RE02-07-1733	02-600419	4.5–9.0	QAL	0.152	0.207	0.313	0.345	0.562	0.134	—	0.359	—	0.108 (J)
RE02-07-1735	02-600419	9.0–16.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	0.0287 (J)	0.0481	0.147	0.166	0.271	0.0818	NA	0.141	—	—
RE02-07-1738	02-600420	4.5–9.0	QAL	0.0443 (J)	0.0846	0.226	0.273	0.502	0.115	—	0.298	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	0.00779 (J)	0.044	0.043 (J)	0.0681 (J)	—	NA	0.0491	0.0385 (J)	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	0.0216 (J)	0.0406	—	NA	0.024 (J)	0.037 (J)	—
RE02-07-1899	02-600453	4.5–10.0	QAL	—	0.0157 (J)	0.13	0.123	0.151	0.0642	—	0.129	—	—
RE02-07-1901	02-600453	10.0–20.0	QBO	—	—	0.0177 (J)	0.0143 (J)	0.0161 (J)	—	—	0.018 (J)	—	—
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	0.0105 (J)	0.09	0.103	0.165	0.0647 (J)	NA	0.114	—	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	0.026 (J)	0.0373	—	0.127	0.229	0.0552	NA	0.112	—	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	0.0371	0.0631	0.161	—	0.253 (J)	—	NA	0.151	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	0.0334 (J)	0.092	0.164 (J)	0.141 (J)	0.0791 (J)	—	0.0935	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	—	—	—	—	—	—	0.000245 (J)	—	—	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	0.0238 (J)	0.0644	0.331	0.298 (J)	0.593 (J)	—	NA	0.349	0.049 (J)	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	0.0142 (J)	—	0.0112 (J)	—	—	—	0.0678 (J)	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	0.0116 (J)	0.0254 (J)	0.162 (J)	—	0.325 (J)	—	NA	0.168 (J)	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	0.0289 (J-)	0.0164 (J-)	0.0255 (J-)	—	—	0.025 (J-)	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	—	—	—	—	—	—	—	—	0.0536 (J)	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	0.0761	0.118	0.2	0.244 (J)	0.397 (J)	—	NA	0.193	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—	—

Table 2.29-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene
Industrial SSLs[b]				**103**	**24400**	**26500**	**23.4**	**490**	**300**[e]	**300**	**20500**	**30900**	**200**[f]	**1.56**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—	0.201	0.0347 (J)	—	NA	0.0262 (J)	0.0445	0.19	0.225	12.4 (J)	NA
RE02-07-1728	02-600418	4.5–9.0	QAL	0.000252 (J)	0.304	—	—	—	—	—	0.112	0.22	42.4	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	1.03	0.164	0.189	NA	0.0975	0.213	0.977	0.968	18.4	NA
RE02-07-1733	02-600419	4.5–9.0	QAL	—	0.783	0.144	—	—	0.14	0.381	0.753	0.757	15.5 (J)	—
RE02-07-1735	02-600419	9.0–16.0	QBO	—	—	—	—	0.00416 (J)	—	—	—	—	1.82 (J)	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	0.268	0.0214 (J)	—	NA	0.0106 (J)	0.0188 (J)	0.177	0.292	26.7	NA
RE02-07-1738	02-600420	4.5–9.0	QAL	—	0.59	—	0.101	0.00217 (J)	—	0.0328 (J)	0.296	0.603	30.6 (J)	—
RE02-07-1740	02-600420	9.0–14.0	QBO	—	0.0184 (J)	—	—	0.00251 (J)	—	—	—	0.0169 (J)	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	0.103	—	—	NA	—	—	0.0392	0.105	17.3	NA
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	2.07 (J)	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	0.00249 (J)	—	—	—	—	4.47 (J)	—
RE02-07-1896	02-600452	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	3.36 (J)	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	0.0419	—	—	NA	—	—	0.015 (J)	0.0387	4.91	NA
RE02-07-1899	02-600453	4.5–10.0	QAL	—	0.157	—	0.0638	—	—	—	0.0284 (J)	0.116	3.91	—
RE02-07-1901	02-600453	10.0–20.0	QBO	—	0.0207 (J)	—	—	—	—	—	—	0.0147 (J)	2.13 (J)	—
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	0.248	—	0.0686 (J)	NA	—	—	0.0678	0.173	—	NA
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	0.248	0.0194 (J)	0.0562	NA	0.0135 (J)	0.0111 (J)	0.16	0.244	16.7 (J)	NA
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	0.00233 (J)	—	—	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	—	—	—	—	0.00235 (J)	—	—	—	—	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	0.26	0.0314 (J)	—	NA	0.0171 (J)	0.036	0.212	0.41	20.3 (J)	NA
RE02-07-2076	02-600485	4.5–12.0	QAL	—	0.142	—	0.087 (J)	—	—	0.0147 (J)	0.0803	0.176	9.21	—
RE02-07-2078	02-600485	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	1.72 (J)	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	0.445	0.0171 (J)	—	NA	—	—	0.204	0.7	74.7	NA
RE02-07-2081	02-600486	4.5–9.0	QAL	—	0.0156 (J)	—	—	—	—	—	—	0.0147 (J)	1.89 (J)	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	0.203	—	—	NA	—	—	0.0887	0.403 (J)	128	NA
RE02-07-2086	02-600487	4.5–7.5	QAL	—	0.0398 (J-)	—	—	—	—	—	0.0155 (J-)	0.046 (J-)	10.5	0.000635 (J)
RE02-07-2088	02-600487	15.0–19.0	QBO	—	—	—	—	—	—	—	—	—	2.23 (J)	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	0.353	0.0659	0.103 (J)	NA	0.0505	0.173	0.388	0.571	16.8 (J)	NA
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	—	—	—	—	3.55 (J)	—
RE02-07-2093	02-600488	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—	1.39 (J)	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

[f] Value from NMED (2006, 094614).

Table 2.29-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL BV/FV[b]				**0.013**	**0.054**	**na[c]**	**0.2**
QBO BV/FV[b]				**na**	**na**	**na**	**0.18**
Industrial SALs[d]				**180**	**210**	**440000**	**87**
RE02-07-1728	02-600418	4.5–9.0	QAL	—[e]	—	0.12736 (J-)	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	0.445743 (J-)	—
RE02-07-1738	02-600420	4.5–9.0	QAL	—	0.228 (J-)	0.0320994	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	0.3182 (J-)	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	0.00970954	—
RE02-07-1899	02-600453	4.5–10.0	QAL	0.0987	—	0.19748 (J-)	—
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	0.0559978 (J-)	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	0.0708144 (J-)	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	0.00772217	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	0.0205725	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	0.00584615	—
RE02-07-2083	02-600486	16.0–21.0	QBO	—	—	—	0.193
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	0.00598471	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	0.0397656	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 3.2-1
Summary of Inorganic Chemicals above BV at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Selenium	Zinc
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**	**1690**	**482**	**0.1**	**6.58**	**na[b]**	**0.3**	**63.5**
ALLH BV[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**1.52**	**48.8**
Construction Worker SSLs[c]				**14400**	**124**	**85.2**	**60200**	**na**	**500[d]**	**61**	**12400**	**4760**	**800**	**na**	**150**	**340[d]**	**6190**	**100000**	**1550**	**92900**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—[e]	0.84 (J-)	—	—	18100	—	—	—	0.55 (U)	22.5	—	—	0.151	—	1.1	—	86 (J-)
RE21-07-6467	21-602919	7.0–8.0	ALLH	—	—	—	—	14000	—	—	—	0.56 (U)	22.9	—	—	0.116	—	3.3	—	56 (J-)
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	—	—	51.2	8850	—	—	4.9	0.55 (U)	12.8	—	—	—	—	4	0.55 (U)	—
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	—	—	—	—	—	0.56 (U)	—	—	—	—	—	—	—	—
RE21-07-6470	21-602920	7.0–8.0	QBT3	—	—	—	—	—	—	—	19.8 (U)	0.55 (U)	—	—	—	—	—	—	0.31 (J)	—
RE21-07-6471	21-602920	12.0–13.0	QBT3	—	—	—	—	—	—	—	5 (U)	0.54 (U)	—	—	—	—	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	—	—	10700 (J-)	—	—	—	0.56 (U)	—	—	—	—	—	1.6	0.56 (U)	—
RE21-07-6473	21-602921	7.0–8.0	QBT3	—	—	—	—	2970 (J-)	—	—	—	0.55 (U)	—	—	—	—	—	1.5	0.56 (U)	—
RE21-07-6474	21-602921	12.0–13.0	QBT3	—	—	—	—	4200 (J-)	—	—	—	0.54 (U)	—	—	—	—	—	1.8	0.54 (U)	—
RE21-07-6475	21-602922	2.0–3.0	QBT3	—	—	—	—	9290 (J-)	—	—	—	0.55 (U)	—	—	—	—	—	0.78	0.54 (J)	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	—	2490 (J-)	—	—	—	0.55 (U)	11.8 (U)	—	—	—	—	0.81	—	—
RE21-07-6477	21-602922	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.55 (U)	21.2 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	—	100	18600 (J-)	8.7	—	9 (U)	0.57 (U)	—	1710	—	—	8 (U)	—	0.57 (U)	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	—	—	—	6840 (J-)	—	—	7.2 (U)	0.56 (U)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	—	47.3	7990 (J-)	—	—	5.9 (U)	0.56 (U)	—	—	—	—	—	0.68	0.56 (U)	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	—	—	4200 (J)	—	—	—	0.56 (UJ)	27.1 (U)	—	—	—	—	1.2	—	—
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	—	—	3350 (J)	—	—	—	0.55 (UJ)	21.4 (U)	—	—	—	—	0.61	0.55 (U)	—
RE21-07-6483	21-602924	12.0–13.0	QBT3	—	—	—	—	2310 (J)	—	—	—	0.55 (UJ)	24 (U)	—	—	—	—	1.1	0.55 (U)	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	2.9 (J-)	5	103	10300	—	3.5	22.7 (U)		23.9 (U)	—	—	—	68.4	—	0.56 (U)	87.6 (U)
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	1.2 (J-)	—	90.1	11600	—	—	6.8 (U)	0.55 (U)	30.9 (J-)	—	—	—	—	—	0.55 (U)	80.7 (U)
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	0.54 (J-)	—	46.3	6180	—	—	—	0.55 (U)	33.4 (J-)	—	—	—	—	—	0.55 (U)	85.8 (U)
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	77.1	2510	—	—	30.2 (U)		—	—	—	—	—	—	0.56 (U)	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	—	4330	—	—	19.9 (U)	—	—	—	—	—	—	—	0.53 (U)	65.5 (U)
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	—	2860	—	—	15.6 (U)	0.56 (U)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6490	21-602927	2.0–3.0	ALLH	—	—	—	—	7920 (J)	—	—	—	0.57 (UJ)	—	—	—	0.108	—	0.2 (J)	—	63.3 (U)
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	—	—	71.3	7440 (J)	—	—	5 (U)	0.54 (UJ)	17.9 (U)	—	—	—	—	0.4	0.54 (U)	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	—	—	—	6780 (J)	—	—	4.9 (U)	0.56 (UJ)	11.3 (U)	—	—	—	—	0.21 (J)	0.56 (U)	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	46.1	—	—	—	—	0.52 (U)	—	—	—	—	—	—	0.52 (U)	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	—	55	—	—	—	—	—	—	—	—	—	—	—	0.54 (U)	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.53 (U)	—	—	—	—	—	—	0.53 (U)	—
RE21-07-6496	21-602929	2.0–3.0	QBT3	10400	—	2.9	528	2940	—	—	6.1 (U)	0.57 (U)	11.6 (U)	2480	—	—	11.1 (U)	—	0.57 (U)	—

Table 3.2-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Selenium	Zinc
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**	**1690**	**482**	**0.1**	**6.58**	**na[b]**	**0.3**	**63.5**
ALLH BV[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**1.52**	**48.8**
Construction Worker SSLs[c]				**14400**	**124**	**85.2**	**60200**	**na**	**500[d]**	**61**	**12400**	**4760**	**800**	**na**	**150**	**340[d]**	**6190**	**100000**	**1550**	**92900**
RE21-07-6497	21-602929	7.0–8.0	QBT3	—	—	—	85.8	4360	—	—	5.9 (U)	0.55 (U)	11.7 (U)	2070	—	—	—	—	0.55 (U)	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	—	—	3850	—	—	—	—	—	—	—	—	—	—	0.55 (U)	—
RE21-07-6499	21-602930	2.0–3.0	QBT3	—	—	—	72	3980 (J)	—	—	—	0.56 (UJ)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	—	—	—	—	—	0.55 (UJ)	15.7 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6501	21-602930	12.0–13.0	QBT3	—	—	—	—	2250 (J)	—	—	—	0.55 (UJ)	13.9 (U)	—	—	—	—	0.22	0.55 (U)	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	—	164	3060	—	3.4	—	—	—	—	—	—	—	—	0.55 (U)	—
RE21-07-6503	21-602931	7.0–8.0	QBT3	—		—	96.1	4320	—	3.2	5 (U)	0.55 (U)	14.6 (U)	—	497	—	7.9 (U)	—	0.55 (U)	—
RE21-07-6504	21-602931	12.0–13.0	QBT3	—	—	—	53.9	10100	—	—	—	0.53 (U)	—	—	—	—	—	—	0.53 (U)	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	—	64.3	6610	—	—	—	—	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6506	21-602932	7.0–8.0	QBT3	—	—	—	—	5370	—	—	—	0.55 (U)	15.4 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	—	—	7180	—	—	—	—	20.5 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6508	21-602933	2.0–3.0	QBT3	—	—	—	62.8	2630 (J)	—	—	—	0.57 (UJ)	11.6 (U)	—	—	—	—	0.26	0.57 (U)	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	—	54.8	—	—	—	—	0.55 (UJ)	15.2 (U)	—	544	—	8.3 (U)	—	0.56 (U)	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.55 (UJ)	—	—	—	—	—	—	0.55 (U)	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from NMED (2006, 092513) unless otherwise noted.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 3.2-2
Summary of Organic Chemicals Detected at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Butylbenzene[n-]	Chrysene	Di-n-butylphthalate	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Dichlorobenzene[1,4-]
Construction Worker SSLs[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**4660**	**62.1**	**21200**	**23300**	**37.4**	**37.4**	**1960**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—[c]	—	NA[d]	NA	0.081 (J)	0.081 (J)	0.07 (J)	0.048 (J)	0.066 (J)	0.22 (J)	—	0.12 (J)	—	—	—	—
RE21-07-6467	21-602919	7.0–8.0	ALLH	0.033	—	NA	NA	—	—	—	—	—	—	—	0.044 (J)	—	0.00024 (J)	0.00025 (J)	0.00041 (J)
RE21-07-6468	21-602919	12.0–13.0	QBT3	0.0071 (J)	—	NA	NA	—	—	—	—	—	—	—	0.044 (J)	—	—	—	—
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	0.241	0.185	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	NA	NA	0.045 (J)	0.039 (J)	—	—	—	—	—	0.062 (J)	—	—	—	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	0.00041 (J)	0.00038 (J)	0.00049 (J)
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	NA	NA	0.053 (J)	0.045 (J)	0.047 (J)	—	0.044 (J)	—	—	0.071 (J)	—	—	—	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	—	NA	NA	0.087 (J)	0.077 (J)	0.074 (J)	0.041 (J)	0.069 (J)	—	—	0.12 (J)	—	—	—	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	NA	NA	0.039 (J)	—	—	—	—	—	—	0.058 (J)	—	—	—	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	0.00035 (J)	0.00033 (J)	0.0004 (J)
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	NA	NA	0.042 (J)	0.038 (J)	—	—	0.038 (J)	—	—	0.052 (J)	—	—	—	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	—	NA	NA	0.11 (J)	0.11 (J)	0.1 (J)	0.055 (J)	0.1 (J)	0.14 (J)	—	0.17 (J)	—	—	—	—
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	0.053 (J)	—	—	—	—
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	0.5	—	—	0.00039 (J)
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	0.011 (J)	—	NA	NA	—	—	—	—	—	—	0.0011 (J)	—	—	—	—	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	0.009 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	0.016 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	0.043 (J)	NA	NA	0.086 (J)	0.056 (J)	0.064 (J)	—	0.069 (J)	—	—	0.11 (J)	—	—	—	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	0.018 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	0.01 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—

Table 3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]
Construction Worker SSLs[b]				**128**	**8730**	**na**[e]	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—	0.17 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6467	21-602919	7.0–8.0	ALLH	0.0016 (J)	0.047 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	0.059 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	0.0000119	0.00000467	0.00000115 (J)	0.000000705 (J)	0.000000639 (J)	0.00000348 (J)	0.00000102 (J)	0.000000379 (J)	0.000000801 (J)
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	0.04 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	0.098 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	0.11 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	0.2 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	0.091 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	0.046 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	0.097 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	0.28 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	0.073 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	0.037 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	0.24 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene (Total)
Construction Worker SSLs[b]				**212**	**389[f]**	**2630**	**na**	**na**	**na**	**na**	**6990**	**9010**	**na**	**252**	**190**	**69.2**	**82**
RE21-07-6466	21-602919	2.0–3.0	ALLH	0.043 (J)	—	—	NA	NA	NA	NA	0.081 (J)	0.14 (J)	NA	0.0012 (J-)	0.00046 (J-)	—	—
RE21-07-6467	21-602919	7.0–8.0	ALLH	—	—	—	NA	NA	NA	NA	—	0.041 (J)	NA	0.0023 (J)	0.00087 (J)	0.00029 (J)	0.0092
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	0.05 (J)	NA	0.0014 (J)	0.00039 (J)	—	—
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	NA	0.000104	0.00000763	0.00000335	0.00000282	NA	NA	0.00000207	NA	NA	NA	NA
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	0.06 (J)	0.087 (J)	NA	—	—	—	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	0.052 (J)	0.092 (J)	NA	—	—	—	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	0.039 (J)	—	—	NA	NA	NA	NA	0.098 (J)	0.17 (J)	NA	—	—	—	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	0.081 (J)	NA	—	—	—	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	0.067 (J)	0.07 (J)	NA	—	—	—	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	0.051 (J)	—	0.015	NA	NA	NA	NA	0.16 (J)	0.19 (J)	NA	0.0014 (J)	—	—	—
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	0.041 (J)	0.059 (J)	NA	0.00074 (J)	—	—	—
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00057 (J)	—	—	—
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00052 (J)	—	—	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00093 (J-)	0.00043 (J-)	—	—
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	0.00044 (J)	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	0.0021 (J)	—	NA	NA	NA	NA	—	—	NA	—	0.0024 (J)	0.0024 (J)	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	0.00079 (J)	—	NA	NA	NA	NA	—	—	NA	—	—	0.00034 (J)	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00075 (J)	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	0.01	NA	NA	NA	NA	—	—	NA	0.00026 (J)	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.0002 (J)	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	0.012	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00033 (J)	0.00029 (J)	—	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	0.01	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	0.014	NA	NA	NA	NA	0.22 (J)	0.16 (J)	NA	—	—	—	—

Table 3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene (Total)
Construction Worker SSLs[b]				**212**	**389**[f]	**2630**	**na**	**na**	**na**	**na**	**6990**	**9010**	**na**	**252**	**190**	**69.2**	**82**
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	0.012	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00018 (J)	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

Table 3.2-3
Summary of Radionuclides Detected or Detected above BV/FV at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH BV/FV[b]				**0.013**	**na**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker SALs[d]				**34**	**7.7**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-6466	21-602919	2.0–3.0	ALLH	2.93	—[e]	0.269	0.485	66.3	0.74	44.9	1.77
RE21-07-6467	21-602919	7.0–8.0	ALLH	2.63	—	0.14	0.349	52.5	2.06	87.3	3.82
RE21-07-6468	21-602919	12.0–13.0	QBT3	1.35 (J-)	—	—	0.151	27.8	0.7	28.7	1.12
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	—	2.58	—	2.63 (J-)	—
RE21-07-6470	21-602920	7.0–8.0	QBT3	—	—	—	—	0.815	—	—	—
RE21-07-6471	21-602920	12.0–13.0	QBT3	—	—	—	—	1.15	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	0.419	—	—	0.076	7.32	1.67	3.96	0.188
RE21-07-6473	21-602921	7.0–8.0	QBT3	0.1	—	—	—	1.95	1.63	2	—
RE21-07-6474	21-602921	12.0–13.0	QBT3	0.083	—	—	—	1.74	2.39	2.11	0.105
RE21-07-6475	21-602922	2.0–3.0	QBT3	—	—	—	—	0.447	—	12.9	0.689
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	—	0.28	—	2.84	0.16
RE21-07-6477	21-602922	12.0–13.0	QBT3	—	—	—	—	0.254	—	—	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	0.574 (J-)	—	—	0.065	10.3	—	5.56 (J-)	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	0.301	—	—	0.067	8.74	—	5.39 (J-)	0.208 (J-)
RE21-07-6480	21-602923	12.0–13.0	QBT3	0.324	—	—	0.081	10.6	—	5.13	0.205
RE21-07-6481	21-602924	2.0–3.0	QBT3	0.101	—	—	—	2.18	—	2.26	0.122
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	0.068	—	—	1.13	—	—	0.132
RE21-07-6483	21-602924	12.0–13.0	QBT3	0.042	—	—	—	1.21	—	—	0.1
RE21-07-6484	21-602925	2.0–3.0	QBT3	6.55	—	—	—	133	—	73.6	3.59
RE21-07-6485	21-602925	7.0–8.0	QBT3	2.05	—	—	—	64.4	—	23.9	1.04
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	—	—	33.2	—	17.6	0.83
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	0.063	7.05	—	6.85	0.316
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	—	19.2	—	20.3	0.67
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	—	14.1 (J)	—	8.67	0.265
RE21-07-6490	21-602927	2.0–3.0	ALLH	1.4	—	—	0.322	40.6	—	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	1.47	—	—	0.332	47.6	—	18.3	0.743
RE21-07-6492	21-602927	12.0–13.0	QBT3	0.56	—	—	0.219	25.2	—	11.5	0.543
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	—	0.34	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	—	—	1.06	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	—	0.122	—	—	—

Table 3.2-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH BV/FV[b]				**0.013**	**na**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker SALs[d]				**34**	**7.7**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-6496	21-602929	2.0–3.0	QBT3	—	—	—	—	0.329	—	—	—
RE21-07-6497	21-602929	7.0–8.0	QBT3	—	—	—	—	0.446	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	—	—	0.314	—	—	—
RE21-07-6499	21-602930	2.0–3.0	QBT3	0.072	—	—	—	2.58	—	4.24	0.167
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	—	1.6	—	2.76	0.093
RE21-07-6501	21-602930	12.0–13.0	QBT3	0.059	—	—	—	3.27	—	5.95	0.21
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	—	—	0.24	—	—	—
RE21-07-6503	21-602931	7.0–8.0	QBT3	—	—	—	—	0.542	—	—	—
RE21-07-6504	21-602931	12.0–13.0	QBT3	—	—	—	—	0.224	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	—	—	3.15	—	2.55	0.103
RE21-07-6506	21-602932	7.0–8.0	QBT3	—	—	—	—	1.71	—	2.15	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	—	—	1.53	—	2.1	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	0.06	—	—	—	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	—	0.039	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 3.3-1
Summary of Inorganic Chemicals above BV at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Iron
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**14500**
ALLH BV[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**21500**
Construction Worker SSLs[b]				**14400**	**124**	**85.2**	**60200**	**na[c]**	**500[d]**	**61**	**12400**	**4760**	**100000**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[e]	—	—	—	40700	—	—	—	0.59 (U)	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	3.1	124 (J)	18200	7.2	—	—	0.58 (U)	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	—	56.8 (J)	12100	—	—	—	0.56 (U)	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	1.4 (J-)	—	—	31000	—	—	—	0.57 (U)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	—	—	—	—	0.59 (U)	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	8440	—	—	79.3	4270	—	—	—	0.57 (U)	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	1.8 (J-)	—	—	20800	—	—	—	0.53 (U)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	0.84 (J-)	—	88.7	20800	8.4 (J-)	—	62.4 (J-)	0.55 (U)	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	0.99 (J-)	—	84.3	12300	—	—	52.6 (J-)	0.54 (U)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	—	—	21900	—	—	—	0.57 (U)	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	—	—	—	73.1	15000	12.7 (J-)	—	11.5 (U)	0.55 (U)	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	3750	—	—	—	0.54 (U)	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	0.91 (J-)	—	—	37800	—	—	—	0.54 (U)	—
RE21-07-5109	21-601070	7.0–8.0	QBT3	—	0.73 (J-)	—	105	4970	8.1 (J-)	—	5.9 (U)	0.6 (U)	—
RE21-07-6394	21-601070	12.0–13.0	QBT3	7910	1.3 (J-)	—	69.2	3600	—	—	—	0.57 (U)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	1.2 (J-)	—	—	24700 (J+)	—	—	—	0.54 (U)	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	—	—	9890 (J+)	—	—	31.1 (U)	0.55 (U)	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	5700 (J+)	—	—	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	2.3 (J-)	—	—	28900 (J+)	—	—	15.8 (U)	0.54 (U)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	0.52 (J-)	—	—	7800 (J+)	10.9	—	—	0.56 (U)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	0.97 (J-)	—	—	24300 (J+)	12.4	—	5.6 (U)	0.6 (U)	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	10400 (J)	—	—	—	8320 (J+)	7.9 (J)	3.9 (J)	—	0.56 (U)	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	—	—	—	—	4000 (J+)	8.1	—	—	0.54 (U)	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	—	3250 (J+)	7.2	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	7440	0.52 (J-)	—	136	8830	—	3.5	5.5 (U)	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	—	0.83 (J-)	—	52.8	7060	—	—	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	—	2250	—	—	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	1.1 (J-)	—	111	25500	9.3	—	5.3 (U)	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	2 (J-)	—	64.2	7630	9.5	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	0.53 (J-)	—	—	5370	7.7	—	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	—	—	—	—	—	—	—	—	—	—

Table 3.3-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Iron
QBT3 BV[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**14500**
ALLH BV[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**21500**
Construction Worker SSLs[b]				**14400**	**124**	**85.2**	**60200**	**na[c]**	**500[d]**	**61**	**12400**	**4760**	**100000**
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	—	—	—	9.2	—	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	—	—	2290	—	—	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	1.4 (J-)	—	88.4	24200	15.2	3.8	6 (U)	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	0.66 (J-)	—	—	10300	14	—	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	0.7 (J-)	—	—	7500	—	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	—	—	—	31200	—	—	—	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	—	47	6310	9.7	—	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	—	—	—	110 (J-)	46200	11.7 (J-)	—	10 (U)	0.56 (U)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	0.77 (J-)	—	51.6 (J-)	13600	11.6 (J-)	—	—	0.56 (U)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	1 (J-)	—	—	8350	11.7 (J-)	—	—	0.56 (U)	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	—	1.2 (J-)	—	142 (J-)	21500	9.1 (J-)	—	7 (U)	0.57 (U)	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	0.63 (J-)	—	62.3 (J-)	11000	10.1 (J-)	—	—	0.56 (U)	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	—	—	3510	—	—	—	0.55 (U)	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	1.1 (J-)	—	—	13500	—	—	—	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	—	1.5 (J-)	—	46.3 (J-)	9530	7.8 (J-)	—	29.5 (U)	—	24700
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	0.62 (J-)	—	—	7240	12.2 (J-)	—	—	0.56 (U)	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	—	—	—	36100	—	—	—	0.55 (U)	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	0.75 (J-)	—	97.9 (J-)	13000	17 (J-)	—	6.7 (U)	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	—	—	5640	—	—	—	0.58 (U)	—

Table 3.3-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
QBT3 BV[a]				**11.2**	**1690**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**17**	**63.5**
ALLH BV[a]				**22.3**	**4610**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
Construction Worker SSLs[b]				**800**	**na**	**340[d]**	**6190**	**100000**	**790[d]**	**1550**	**1550**	**310**	**92900**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	—	—	—	0.2 (J)	—	—	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	1730	—	—	0.44	—	0.58 (U)	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	—	—	0.35	—	0.56 (U)	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	22.4	—	0.199	—	—	—	—	—	41.7 (J-)	59.7 (U)
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	0.91	—	—	—	—	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	—	—	—	—	0.73	—	0.57 (UJ)	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	—	0.178	—	—	0.0089	—	—	—	91.3 (U)
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	—	—	—	0.66	0.005 (J)	0.55 (UJ)	—	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	14.6 (U)	—	—	—	0.49	0.0046 (J)	0.54 (UJ)	—	—	69.1 (U)
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	0.218	—	1.7	0.0096	—	—	—	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	—	—	—	7.4 (U)	1.1	0.0053 (J)	0.55 (UJ)	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	0.54	0.0029 (J)	—	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	—	0.18	—	0.63	0.0027 (J)	—	—	41.4 (J-)	60.9 (U)
RE21-07-5109	21-601070	7.0–8.0	QBT3	16.7 (U)	—	—	8.8 (U)	0.18 (J)	—	0.6 (UJ)	—	—	—
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	—	—	—	—	—	0.57 (UJ)	—	—	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	—	0.401	—	0.14 (J)	—	—	—	—	64.8 (U)
RE21-07-5111	21-601071	7.0–8.0	QBT3	15.1 (U)	—	0.117	—	0.25	—	0.55 (UJ)	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	—	—	0.53 (UJ)	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	27.7 (U)	—	0.432	—	0.11 (J)	—	—	—	60.6	79.3 (U)
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	—	0.124	—	0.35	—	0.56 (UJ)	—	17.3	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	12.8 (U)	—	0.211	7.2 (U)	0.36	—	0.55 (UJ)	—	40.8	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	1850 (J)	—	7.2 (U)	—	—	0.56 (UJ)	—	—	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	—	—	—	0.54 (UJ)	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	15.3 (U)	—	0.214	7 (U)	0.55	—	0.55 (UJ)	—	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	—	—	—	—	0.21	—	0.53 (UJ)	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	—	0.33	—	0.54 (UJ)	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	15.8 (U)	1880	0.258	7.7 (U)	0.18 (J)	—	0.57 (UJ)	—	25.1	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	11.3 (U)	—	—	—	—	—	0.57 (UJ)	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	—	—	0.17 (J)	—	0.54 (UJ)	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	—	—	—	—	—	0.0025 (J)	—	—	—	—
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	—	—	—	—	0.55 (UJ)	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	—	—	—	—	0.54 (UJ)	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	21 (U)	—	0.386	7.3 (U)	0.15 (J)	—	0.55 (UJ)	—	52.4	137 (U)

Table 3.3-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
QBT3 BV[a]				**11.2**	**1690**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**17**	**63.5**
ALLH BV[a]				**22.3**	**4610**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
Construction Worker SSLs[b]				**800**	**na**	**340[d]**	**6190**	**100000**	**790[d]**	**1550**	**1550**	**310**	**92900**
RE21-07-5123	21-601077	7.0–8.0	QBT3	11.3 (U)	—	0.202	8.8 (U)	0.41	—	0.56 (UJ)	—	21.5	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	—	0.12	—	0.27	—	0.55 (UJ)	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	28.4	—	0.576	—	—	—	—	—	—	118 (U)
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	0.128	—	—	—	0.56 (UJ)	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	—	—	—	—	0.36	—	0.56 (UJ)	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	—	1710	0.163 (J)	8.8 (U)	0.59	0.0026 (J)	0.56 (U)	—	25.6 (J+)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	—	1.31 (J)	—	0.65	0.0031 (J)	0.56 (U)	—	—	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	—	0.684 (J)	—	1	—	0.56 (U)	1.3	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	20.6 (U)	1870	0.267 (J)	7.7 (U)	0.36	—	0.57 (U)	—	21.4 (J+)	66.9 (U)
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	—	0.418 (J)	—	1	—	0.56 (U)	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	0.13 (J)	—	—	—	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	—	—	—	0.39	—	—	—	—	52.1 (U)
RE21-07-5131	21-601081	7.0–8.0	QBT3	25 (U)	—	0.361 (J)	7.3 (U)	0.49	—	0.56 (U)	—	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	—	—	—	0.85	—	0.56 (U)	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	—	0.339 (J)	—	0.54	0.007	—	—	86.3 (J+)	50.9 (U)
RE21-07-5133	21-601082	7.0–8.0	QBT3	11.7 (U)	—	—	—	0.7	0.0041 (J)	0.56 (U)	—	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	0.236 (J)	—	0.59	0.0034 (J)	0.58 (U)	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 3.3-2
Summary of Organic Chemicals Detected at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Benzoic Acid	Bis(2-ethylhexyl)phthalate	Bromobenzene
Construction Worker SSLs[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**100000[c]**	**4660**	**121**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[d]	—	NA[e]	NA	—	—	—	—	—	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	0.0045 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	NA	NA	0.039 (J)	—	—	—	—	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	—	NA	NA	0.062 (J)	0.058 (J)	0.065 (J)	0.05 (J)	0.059 (J)	—	0.22 (J)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	—	NA	NA	0.11 (J)	0.094 (J)	0.099 (J)	0.058 (J)	0.086 (J)	—	0.11 (J)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	—	NA	NA	0.046 (J)	0.047 (J)	0.046 (J)	—	0.042 (J)	—	0.056 (J)	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	—	NA	NA	0.11 (J)	0.1 (J)	0.1 (J)	0.063 (J)	0.097 (J)	—	—	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	NA	NA	0.034 (J)	0.036 (J)	0.035 (J)	—	0.036 (J)	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	—	NA	NA	0.092 (J)	0.093 (J)	0.089 (J)	0.074 (J)	0.083 (J)	—	—	—
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	NA	0.0808 (J)	0.0219	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	—	NA	NA	0.063 (J)	0.07 (J)	0.058 (J)	0.047 (J)	0.061 (J)	—	0.043 (J)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	—	NA	NA	0.046 (J)	0.047 (J)	0.047 (J)	—	0.05 (J)	—	0.061 (J)	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	—	NA	NA	0.077 (J)	0.074 (J)	0.072 (J)	0.038 (J)	0.071 (J)	—	0.27 (J)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	0.041 (J)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	0.11 (J)	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	—	NA	NA	—	0.045 (J)	0.041 (J)	0.043 (J)	0.038 (J)	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	NA	NA	0.043 (J)	—	0.036 (J)	—	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	—	NA	NA	0.037 (J)	—	—	—	—	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	—	NA	NA	0.049 (J)	0.049 (J)	0.046 (J)	—	0.046 (J)	—	0.089 (J)	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	0.011 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	0.013 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	0.012 (J-)	—	NA	NA	0.079 (J)	0.064 (J)	0.066 (J)	0.038 (J)	0.068 (J)	—	0.073 (J)	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	0.009 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	—	NA	NA	—	—	—	—	—	0.4 (J)	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	0.019 (J-)	—	NA	NA	—	—	—	—	—	—	—	0.00053 (J-)

Table 3.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Benzoic Acid	Bis(2-ethylhexyl)phthalate	Bromobenzene
Construction Worker SSLs[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**100000[c]**	**4660**	**121**
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.016 (J)	—	NA	NA	0.092 (J-)	0.074 (J-)	0.062 (J-)	0.055 (J-)	0.062 (J-)	—	0.2 (J-)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	0.013 (J)	—	NA	NA	0.077 (J)	0.07 (J)	0.07 (J)	—	0.067 (J)	—	0.067 (J)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	0.017 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.013 (J)	—	NA	NA	0.096 (J-)	0.089 (J-)	0.08 (J-)	0.075 (J-)	0.07 (J-)	—	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	0.022 (J)	—	NA	NA	0.064 (J)	0.057 (J)	0.046 (J)	0.04 (J)	0.05 (J)	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.0095 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	0.018 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.012 (J)	0.048 (J)	NA	NA	0.13 (J)	0.12 (J)	0.097 (J)	0.1 (J)	0.11 (J)	—	0.065 (J)	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	0.012 (J)	—	NA	NA	0.044 (J)	0.039 (J)	—	—	0.04 (J)	—	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	0.026 (J)	—	NA	NA	—	—	—	—	—	—	0.043 (J)	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.016 (J)	—	NA	NA	—	—	—	—	—	—	—	—

Table 3.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chrysene	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]
Construction Worker SSLs[b]				**240[c]**	**21200**	**37.4**	**37.4**	**128**	**8730**	**na[f]**	**na**	**na**	**na**	**212**	**389[g]**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	0.057 (J)	—	—	—	0.075 (J)	NA	NA	NA	NA	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	0.1 (J)	—	—	—	0.14 (J)	NA	NA	NA	NA	0.043 (J)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	0.17 (J)	—	—	—	0.25 (J)	NA	NA	NA	NA	0.052 (J)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	0.067 (J)	—	—	—	0.099 (J)	NA	NA	NA	NA	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	0.15 (J)	—	—	—	0.16 (J)	NA	NA	NA	NA	0.052 (J)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	0.055 (J)	—	—	—	0.073 (J)	NA	NA	NA	NA	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	0.14 (J)	—	—	—	0.23 (J)	NA	NA	NA	NA	0.056 (J)	0.0041 (J-)
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	NA	NA	NA	NA	NA	0.00000851	0.00000338	0.000000331 (J)	0.000000239 (J)	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	0.093 (J)	—	—	—	0.13 (J)	NA	NA	NA	NA	0.047 (J)	0.0097
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	0.079 (J)	—	—	—	0.11 (J)	NA	NA	NA	NA	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	0.037 (J)	—	—	—	0.049 (J)	NA	NA	NA	NA	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	0.001 (J-)	—	NA	NA	NA	NA	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	0.13 (J)	—	—	0.00036 (J-)	0.18 (J)	NA	NA	NA	NA	—	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	0.039 (J)	—	—	—	0.047 (J)	NA	NA	NA	NA	—	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	0.053 (J)	—	—	—	0.071 (J)	NA	NA	NA	NA	—	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	0.047 (J)	—	—	—	0.039 (J)	NA	NA	NA	NA	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	0.059 (J)	—	—	—	0.1 (J)	NA	NA	NA	NA	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	0.052 (J)	—	—	—	0.075 (J)	NA	NA	NA	NA	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	0.081 (J)	—	—	—	0.12 (J)	NA	NA	NA	NA	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	0.042 (J)	—	—	—	0.059 (J)	NA	NA	NA	NA	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	—	—	0.00022 (J-)	—	NA	NA	NA	NA	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	0.13 (J)	—	—	—	0.17 (J)	NA	NA	NA	NA	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	0.046 (J)	—	—	—	0.065 (J)	NA	NA	NA	NA	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	0.046 (J)	—	—	—	0.074 (J)	NA	NA	NA	NA	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	0.042 (J)	—	—	—	0.055 (J)	NA	NA	NA	NA	—	—

Table 3.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chrysene	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]
Construction Worker SSLs[b]				**240**[c]	**21200**	**37.4**	**37.4**	**128**	**8730**	**na**[f]	**na**	**na**	**na**	**212**	**389**[g]
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	0.00054 (J-)	0.00049 (J-)	0.00027 (J-)	—	NA	NA	NA	NA	—	0.00028 (J-)
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.038 (J-)	0.12 (J-)	—	—	—	0.2 (J-)	NA	NA	NA	NA	0.05 (J-)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	0.12 (J)	—	—	—	0.19 (J)	NA	NA	NA	NA	0.037 (J)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.042 (J-)	0.15 (J-)	—	—	—	0.19 (J-)	NA	NA	NA	NA	0.072 (J-)	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	0.099 (J)	—	—	—	0.12 (J)	NA	NA	NA	NA	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.041 (J)	0.19 (J+)	0.00049 (J)	—	—	0.29 (J)	NA	NA	NA	NA	0.098 (J)	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	0.045 (J)	—	—	—	0.06 (J)	NA	NA	NA	NA	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	0.063 (J)	—	—	—	0.099 (J)	NA	NA	NA	NA	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	0.039 (J+)	—	—	—	0.054 (J)	NA	NA	NA	NA	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—

Table 3.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trimethylbenzene[1,2,4-]	Xylene (Total)
Construction Worker SSLs[b]				**2630**	**na**	**na**	**na**	**6990**	**9010**	**na**	**134**	**252**	**190**	**82**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	NA	NA	NA	—	—	NA	—	—	0.00038 (J)	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.0003 (J-)	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	NA	NA	NA	0.047 (J)	0.063 (J)	NA	—	0.00055 (J-)	0.00029 (J-)	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	NA	NA	NA	0.059 (J)	0.097 (J)	NA	—	—	—	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	NA	NA	NA	—	—	NA	0.0014 (J)	0.00021 (J)	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	NA	NA	NA	0.15 (J)	0.18 (J)	NA	0.00081 (J-)	0.00039 (J-)	—	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	NA	NA	NA	0.06 (J)	0.071 (J)	NA	—	0.00027 (J-)	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	0.0043 (J-)	NA	NA	NA	—	0.14 (J)	NA	—	—	0.00035 (J)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	NA	NA	NA	0.04 (J)	0.052 (J)	NA	—	0.00028 (J-)	0.00031 (J-)	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	—	0.00025 (J)	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	NA	NA	NA	0.12 (J)	0.16 (J)	NA	—	—	0.00038 (J-)	—
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	0.0000852	0.00000411 (J)	0.000000362 (J)	NA	NA	0.000000312 (J)	NA	NA	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	NA	NA	NA	0.073 (J)	0.11 (J)	NA	0.0012 (J)	—	0.0004 (J)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	NA	NA	NA	0.045 (J)	0.08 (J)	NA	—	0.00077 (J+)	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	NA	NA	NA	—	0.038 (J)	NA	—	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00079 (J-)	0.00043 (J)	0.0071 (J-)
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	NA	NA	NA	0.091 (J)	0.14 (J)	NA	—	0.00074 (J-)	0.00039 (J-)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	—	0.00041 (J-)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	NA	NA	NA	—	0.053 (J)	NA	—	—	—	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	NA	NA	NA	—	0.041 (J)	NA	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	NA	NA	NA	0.05 (J)	0.078 (J)	NA	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	NA	NA	NA	0.039 (J)	0.062 (J)	NA	—	0.00069 (J)	0.00046 (J)	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	NA	NA	NA	0.05 (J)	0.1 (J)	NA	—	0.0017 (J)	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	NA	NA	NA	—	0.045 (J)	NA	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00051 (J-)	0.00042 (J-)	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	NA	NA	NA	0.084 (J)	0.13 (J)	NA	—	0.00072 (J-)	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	NA	NA	NA	—	0.05 (J)	NA	—	0.00061 (J-)	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	NA	NA	NA	0.045 (J)	0.062 (J)	NA	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	NA	NA	NA	—	0.044 (J)	NA	—	—	0.0005 (J)	—

Table 3.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trimethylbenzene[1,2,4-]	Xylene (Total)
Construction Worker SSLs[b]				**2630**	**na**	**na**	**na**	**6990**	**9010**	**na**	**134**	**252**	**190**	**82**
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00041 (J-)	0.00068 (J-)	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.011 (J-)	NA	NA	NA	0.16 (J-)	0.2 (J-)	NA	—	0.00031 (J-)	—	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	0.0034 (J-)	NA	NA	NA	0.084 (J)	0.15 (J)	NA	—	0.00024 (J-)	—	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	0.01 (J-)	NA	NA	NA	—	—	NA	—	0.00021 (J-)	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.013	NA	NA	NA	0.1 (J-)	0.19 (J-)	NA	—	0.00078 (J)	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	0.011	NA	NA	NA	0.064 (J)	0.12 (J)	NA	—	0.00036 (J)	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.0071	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	0.011	NA	NA	NA	—	—	NA	—	0.00055 (J)	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.0033 (J)	NA	NA	NA	0.2 (J)	0.29 (J)	NA	—	0.00083 (J)	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	NA	NA	NA	—	0.048 (J)	NA	—	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	0.011 (J-)	NA	NA	NA	0.048 (J)	0.08 (J)	NA	—	0.00024 (J-)	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	NA	NA	NA	0.041 (J)	0.057 (J)	NA	—	0.00028 (J)	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.0098 (J-)	NA	NA	NA	—	—	NA	—	0.00022 (J-)	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] Value from EPA Region 6 (2007, 095866).

[d] — = Analyte not detected.

[e] NA = Not analyzed.

[f] na = Not available.

[g] Isopropylbenzene used as a surrogate.

Table 3.3-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker SALs[d]				**34**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[e]	—	0.038 (J)	0.424	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	0.121 (J)	0.317	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	0.178 (J)	0.72	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	0.151 (J-)	—	0.216	2.03	—	2.91	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	0.069	1.34	—	—	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	—	—	0.0315	0.351	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	1.71 (J-)	0.173	0.591	10.7	0.193	—	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	0.168	—	0.204	2.79	—	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	0.135 (J-)	—	0.153	1.94	—	—	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	0.279 (J-)	0.225	0.329	2.24	—	—	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	0.085 (J-)	—	0.24	0.962	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	0.088	0.346	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	0.4 (J-)	—	0.631	5.2	—	—	—
RE21-07-5109	21-601070	7.0–8.0	QBT3	0.174 (J-)	—	0.102	1.04	—	—	0.092
RE21-07-6394	21-601070	12.0–13.0	QBT3	0.264 (J-)	—	0.142	2.96	—	—	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	0.093	—	0.889	2.73	—	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	0.258	0.95	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	0.316	0.385	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	—	1.17	3.22	—	4.91	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	0.391	—	0.299	0.863	—	—	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	0.089	—	0.677	1.04	—	—	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	0.106	—	—	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	0.147	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	0.192 (J)	—	0.243 (J)	1.65 (J)	—	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	0.1 (J)	—	0.073 (J)	0.681 (J)	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	0.442 (J)	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	0.265 (J)	—	0.61 (J)	1.86 (J)	—	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	0.101 (J)	—	0.222 (J)	0.663 (J)	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	0.127 (J)	0.301 (J)	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	0.084 (J)	—	0.115 (J)	0.66 (J)	—	—	—

Table 3.3-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 BV/FV[b]				**na[c]**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH BV/FV[b]				**0.013**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker SALs[d]				**34**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	0.045 (J)	0.196 (J)	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	0.038 (J)	0.172 (J)	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	1.1 (J-)	—	6.52 (J)	11.9 (J)	—	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	2.06 (J)	—	0.831 (J)	4.59 (J)	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	0.159 (J)	—	0.349 (J)	2.2 (J)	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	0.32 (J)	—	0.519 (J)	3.14 (J)	—	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	0.12 (J)	—	0.225 (J)	1.4 (J)	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	0.158 (J)	—	0.18 (J)	3.02 (J)	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.482	—	0.691	2.82	—	—	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	2.63	—	2.69	12.5	—	2.02	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	3.68	—	2.58	13.7	—	3.12	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	2.03	—	14.4	15.4	—	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	1.33	—	0.95	8.86	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.288	—	0.222	3.86	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	1.57	—	0.84	11.8	0.238	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.69	—	0.463	13.8	—	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	0.368	—	0.256	3.06	0.301	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	2.73	—	1.83	28.4	—	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	1.41	—	0.568	3.16	—	2.25	0.128
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.369	—	0.223	1.85	0.21	—	0.127

Note: All values in pCi/g.

[a] Fallout radionuclide—FVs apply only to samples from 0 to 0.5 ft bgs.

[b] BVs/FVs are from LANL (1998, 059730).

[c] na = Not available.

[d] All values from LANL (2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table 4.6-1
Summary of Inorganic Chemicals above BV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V BV[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 BV[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial SSLs[b]				**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**20500**	**45400**	**13700**	**800**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—[e]	—	—	—	—	—	—	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-3509	26-600773	7.5–9.0	QBT3	—	—	—	—	—	34.4	—	6.84	—	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	—	6.48	—	—	10600 (J+)	—	—	—	—	—
RE26-07-3511	26-600774	5.1–7.0	QBT2	—	6.02	46.3	—	18400 (J+)	10.7 (U)	—	—	—	—
RE26-07-3512	26-600774	7.6–9.0	QBT2	—	3.74	—	—	4150 (J+)	12.9 (U)	—	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	4.47	72.2	—	18700 (J+)	—	—	—	—	—
RE26-07-3514	26-600775	2.5–3.0	QBT2	—	4.1	—	—	8160 (J+)	—	—	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	4.8	76.5	—	10400 (J+)	—	—	5.63	—	13.6
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	4.64	54.3	—	16000 (J+)	—	—	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	—	3.45	84.4	0.494 (U)	15100	6.07	2.35	4.6	—	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	—	3.31	72.2	0.502 (U)	15500	3.58	1.8	3.64	—	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	2.76	55.9	0.511 (U)	6640	3.83	2.05	3.45	—	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	2.88	60.5	0.508 (U)	—	5.81 (J)	2.97	3.73	—	—
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	1.97	33.5	0.499 (U)	—	7.88 (J)	—	—	—	—
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	2.85	37.3	0.504 (U)	5310	3.62 (J)	—	—	—	—
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	2.71	40.1	0.496 (U)	4690	3.46 (J)	—	—	—	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	2.13	—	0.515 (U)	3710	6.02 (J)	—	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	0.488 (U)	—	4.02 (J)	—	—	—	—
RE26-07-3533	26-600781	4.8–5.8	QBT1V	—	2.3	—	0.504 (U)	—	3.65 (J)	—	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	1.89	44.9	0.508 (U)	—	3.61	2.14	—	—	—
RE26-07-3538	26-600783	3.5–4.5	QBT1V	—	—	—	0.488 (U)	—	—	—	—	—	—
RE26-07-3539	26-600783	5.5–6.1	QBT1V	—	—	—	0.498 (U)	—	2.88	—	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	3.85	87.4	0.503 (U)	7680	5.71 (J)	2.07	—	—	—
RE26-07-3541	26-600784	2.7–3.3	QBT1V	—	—	—	0.487 (U)	—	6.5 (J)	—	—	—	—
RE26-07-3543	26-600785	0.8–1.3	QBT1V	—	1.85	—	0.481 (U)	—	4.76 (J)	—	—	—	—
RE26-07-3544	26-600785	2.0–3.3	QBT1V	—	—	—	0.498 (U)	—	4.13 (J)	—	—	—	—
RE26-07-3545	26-600785	4.8–5.3	QBT1V	—	—	—	0.497 (U)	—	4.04 (J)	—	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	2.03	—	0.483 (U)	3810	5.34 (J)	—	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	—	—	—	0.503 (U)	—	—	—	—	—	—
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	0.5 (U)	—	4.62 (J)	—	—	—	—

Table 4.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V BV[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 BV[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial SSLs[b]				**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**20500**	**45400**	**13700**	**800**
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	2.74	69.6	0.515 (U)	8260	3.63 (J)	1.97	3.71	—	—
RE26-07-3553	26-600788	2.7–3.2	QBT1V	—	2.16	41.4	0.499 (U)	—	5.8 (J)	—	—	—	—
RE26-07-3554	26-600788	4.7–5.2	QBT1V	—	—	—	0.49 (U)	—	4.74 (J)	—	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	—	3.09	75	0.515 (U)	—	6.22 (J)	3.74	4.37	—	—
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	2.67	65.4	0.512 (U)	—	7.49 (J)	3.33	—	0.604	—
RE26-07-3557	26-600789	4.5–5.0	QBT1V	—	—	—	0.482 (U)	—	4.08	—	—	—	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	—	2.72	44.1	0.501 (U)	5170 (J-)	4.27	—	—	0.74	—
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	0.48 (U)	—	9.25	—	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	—	—	—	0.499 (U)	4990 (J-)	—	—	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	0.482 (U)	—	3.38	—	—	—	—
RE26-07-3564	26-600792	0.5–2.0	QBT1V	—	3.5	—	0.504 (U)	9510 (J-)	3.35	—	—	—	—
RE26-07-3565	26-600792	2.5–3.2	QBT1V	—	2.02	—	0.492 (U)	—	4.6	—	—	—	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	4.28	68.2	—	9870 (J+)	7.93 (J)	—	5.83	—	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7046	26-600911	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	—	4050 (J+)	—	—	—	—	—
RE26-08-7042	26-600912	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7043	26-600912	5.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	3.58	61.6	—	3840 (J+)	—	—	—	—	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	3.87	—	—	—	—	—	—	—	—
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7035	26-600914	0.5–2.7	QBT3	—	3.41	—	—	7570 (J+)	—	—	—	—	—
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	3.54	—	—	6680 (J+)	—	—	—	—	—
RE26-08-7037	26-600914	6.0–8.5	QBT3	—	3.48	—	—	7520 (J+)	7.35 (J)	—	—	—	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	0.627 (J-)	4.04	102	—	13300 (J-)	—	—	6.33	—	12.6
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	3.07	49.5	—	—	—	—	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	—	5.45	107	—	30400	—	—	5.53	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	3.73	—	—	—	8.03 (U)	—	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	—	4.12	58.5	—	4270	—	—	5.52	—	17.6
RE26-07-4221	26-600917	0.0–2.5	QBT3	—	8.34	102	—	26800	—	—	—	—	—

Table 4.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V BV[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 BV[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial SSLs[b]				**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**20500**	**45400**	**13700**	**800**
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	3.41	—	—	—	—	—	—	—	—
RE26-07-4223	26-600917	5.0–9.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	3.22	89.9	—	8370 (J-)	—	—	—	—	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	3.65	—	—	—	8.72	—	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	—	7.89	—	—	—	—
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	3.87	112	—	11200 (J-)	—	—	5.95	—	11.3
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	3.33	148	—	12300 (J-)	—	3.8	9.74	—	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	6.75	—	—	—	7.49 (U)	—	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	2.96	—	—	—	—	—	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	—	4.45	75.4	—	17000	—	—	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	4.47	75.9	1.71 (J)	17900	24.9 (J-)	—	5.37 (J)	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	3.81	56.3	—	7170	8.95 (J-)	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	—	3.39	72.8	—	10400	7.93 (J-)	—	—	0.531	17.4
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	4.27	95	—	28100 (J+)	—	—	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	3240 (J+)	9.7 (J)	—	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	94.1
RE26-07-4245	26-600925	0.5–3.0	QBT3	—	—	54.9	—	11000 (J)	—	—	—	—	—
RE26-07-4246	26-600925	3.0–5.5	QBT3	—	—	—	—	2220 (J)	16.7 (U)	—	—	—	—
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	4.18	81.8	—	6130	—	—	6.75	—	12.1
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	—	—	14.6	—	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	—	4.48	194	—	23900	—	—	6.68	—	—
RE26-07-4254	26-600928	0.0–2.5	QBT3	—	4.31	79.1	—	18500 (J)	18.8 (J)	—	5.66 (J)	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	5300 (J)	11.5 (U)	—	—	—	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	4.27	—	—	7060	—	—	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	—	—	—	—	—	1.86	—

Table 4.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V BVs[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 BV[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial SSLs[b]				**na**	**48400**	**22700**	**100000**	**790[d]**	**5680**	**74.9**	**1140**	**100000**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—	—	—	—	—	5.44	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	0.662 (J-)	—	5.51	—	—	—
RE26-07-3509	26-600773	7.5–9.0	QBT3	—	—	—	—	—	7.18	—	—	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	1770 (J+)	—	—	0.716 (J-)	0.00169 (J)	10.1	—	22.8 (J)	—
RE26-07-3511	26-600774	5.1–7.0	QBT2	—	—	—	—	0.000947 (J)	15.7	—	—	—
RE26-07-3512	26-600774	7.6–9.0	QBT2	—	—	—	—	0.000521 (J)	6.36	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	—	—	4.41 (J-)	0.000539 (J)	10.5	—	—	—
RE26-07-3514	26-600775	2.5–3.0	QBT2	—	—	—	2.59 (J-)	—	7.7	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	—	—	3.21 (J-)	0.00194 (J)	13.9	—	—	—
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	—	—	—	0.000777 (J)	12.6	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	1610 (J+)	—	6.27	2.92	—	11.4	—	13.9	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	1240 (J+)	—	5.43	15.9	0.000676 (J)	9.74	—	11.4	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	1010 (J+)	—	4.71	50.6	0.00148 (J)	6.46	—	7.17	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	1010 (J+)	—	5.2	3.35	—	9.59	—	10.4	—
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	—	3.26	2.43	—	6.69	—	5.41	—
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	—	3.29	4.28	—	6.85	—	5.61	—
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	—	4.55	25.2	0.0038	7.35	—	5.93	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	—	2.6	1.04	—	6.93	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	2.69	0.00122 (J)	4.91	—	—	—
RE26-07-3533	26-600781	4.8–5.8	QBT1V	—	—	—	1.67	0.0019 (J)	5.08	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	791 (J+)	—	4.58	4.15	—	5.55	—	7	—
RE26-07-3538	26-600783	3.5–4.5	QBT1V	—	—	—	1.42	—	4.06	—	—	—
RE26-07-3539	26-600783	5.5–6.1	QBT1V	—	—	—	0.885 (J)	—	4.1	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	1260 (J+)	—	5.75	1.18	0.00066 (J)	10.8	—	10.4	—
RE26-07-3541	26-600784	2.7–3.3	QBT1V	—	—	—	0.979 (J)	—	6.04	—	—	—
RE26-07-3543	26-600785	0.8–1.3	QBT1V	—	—	—	1.18	—	5.44	—	—	—
RE26-07-3544	26-600785	2.0–3.3	QBT1V	—	—	—	1.09	—	4.64	—	—	—
RE26-07-3545	26-600785	4.8–5.3	QBT1V	—	—	—	—	—	4.39	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	—	—	1.55	—	4.1	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	—	—	2.96	1.31	—	5.08	—	5.22	—
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	—	—	4.53	—	—	—
RE26-07-3552	26-600788	0.7–1.2	QBT1V	1040 (J+)	—	4.12	1.11	—	9.02	—	12.1	—
RE26-07-3553	26-600788	2.7–3.2	QBT1V	888 (J+)	—	3.36	1.52	—	6.83	—	7.6	—
RE26-07-3554	26-600788	4.7–5.2	QBT1V	—	—	—	1.3	—	3.5	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	1130 (J+)	—	6.26	—	0.0012 (J)	11	—	13.7	—

Table 4.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V BVs[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 BV[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial SSLs[b]				**na**	**48400**	**22700**	**100000**	**790[d]**	**5680**	**74.9**	**1140**	**100000**
RE26-07-3556	26-600789	2.5–3.0	QBT1V	994 (J+)	—	5.65	1.24	—	9.68	—	11.7	—
RE26-07-3557	26-600789	4.5–5.0	QBT1V	—	—	—	0.971 (J)	—	5.6	—	5.11	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	873 (J+)	—	3.89	1.39	0.000894 (J)	7.65	—	6.63	—
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	1.21	0.000731 (J)	5.15	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	—	—	—	1.61	—	4.42	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	0.978 (J)	—	3.12	—	—	—
RE26-07-3564	26-600792	0.5–2.0	QBT1V	—	—	—	1.26	—	4.83	—	—	—
RE26-07-3565	26-600792	2.5–3.2	QBT1V	—	—	—	—	—	3.04	—	—	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	9.21	—	—	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	—	7.28	—	—	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	—	7.28	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	—	7.45	—	—	12.1	—	—	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	6.37	—	—	—
RE26-08-7046	26-600911	5.5–8.5	QBT3	—	—	—	—	—	6.42	—	—	—
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	0.75 (J)	—	9.15	—	—	—
RE26-08-7042	26-600912	3.5–5.5	QBT3	—	—	—	—	—	6.12	—	—	—
RE26-08-7043	26-600912	5.5–11.0	QBT3	—	—	—	—	—	7.34	—	—	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	—	7.3	1.61	0.000665 (J)	10.8	—	—	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	881	—	—	0.000732 (J)	9.74	—	—	72.5
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	—	7.05	—	—	—
RE26-08-7035	26-600914	0.5–2.7	QBT3	—	—	—	—	—	8.13	—	—	—
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	—	—	—	—	8.66	—	—	—
RE26-08-7037	26-600914	6.0–8.5	QBT3	—	—	—	—	—	9.56	—	—	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	1770 (J+)	—	7.44 (U)	1.07 (J)	0.000863 (J+)	13.3	—	—	—
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	—	9.55	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	7.87	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	1750 (J+)	—	8.44	0.889 (J)	0.00079 (J)	16.3	—	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	492	—	7.43	—	7.63	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	1730 (J+)	—	—	7.12	—	12.7	—	—	—
RE26-07-4221	26-600917	0.0–2.5	QBT3	2040 (J+)	—	—	5.52	0.000656 (J)	15.4	—	22.4	—
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	—	—	—	—	6.47	—	—	—
RE26-07-4223	26-600917	5.0–9.0	QBT3	—	—	—	—	—	5.06	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	—	9.96	—	—	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	—	—	—	—	9.28	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	—	6.62	—	—	—

Table 4.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V BVs[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 BV[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial SSLs[b]				**na**	**48400**	**22700**	**100000**	**790[d]**	**5680**	**74.9**	**1140**	**100000**
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	7.63 (U)	2.29	0.00191 (J+)	12.3	—	—	—
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	—	5.97	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	—	6.15	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	1940 (J+)	—	12.1 (U)	2.06	—	15.1	—	18.2	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	—	—	—	—	5.02	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	—	—	—	—	8.23	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	—	—	—	3.85	—	8.27 (J)	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	3.51	—	13.6 (J)	—	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	—	—	6.47	—	6.05 (J)	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	—	—	—	4.14	0.00131 (J)	7.55 (J)	—	—	—
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	533	7.62	—	—	17	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	—	7.82	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	—	6.48	1.27 (U)	—	—
RE26-07-4245	26-600925	0.5–3.0	QBT3	1840	—	—	0.819 (J)	0.0014 (J)	1.59 (U)	—	—	—
RE26-07-4246	26-600925	3.0–5.5	QBT3	—	—	—	—	—	1.49 (U)	—	—	—
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	—	0.62 (J)	—	—	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	—	4.5 (J-)	—	9.05	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	1.23 (J-)	—	5.61	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	1950 (J+)	—	—	5.52 (J-)	0.00141 (J)	14.9	—	—	—
RE26-07-4254	26-600928	0.0–2.5	QBT3	—	—	—	—	—	0.616 (J)	—	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	—	1.52 (U)	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	—	1.48 (U)	—	—	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	—	—	2.58	—	6.46	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	—	6.01	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	1.03	—	5.78	—	—	—

Note: All values in mg/kg.

[a] BVs are from LANL (1998, 059730).

[b] All values from NMED (2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table 4.6-2
Summary of Inorganic Chemicals above BV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Acetone	Aroclor-1248	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Fluoranthene	Hexanone[2-]	Isopropyltoluene[4-]	Phenanthrene	Pyrene	Toluene
Industrial SSLs[a]				**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**2310**	**24400**	**48700**[b]	**389**[c]	**20500**	**30900**	**252**
RE26-07-3511	26-600774	5.1–7.0	QBT2	—[d]	0.0301	—	—	—	—	—	—	—	0.000896 (J)	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	0.00452 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000676 (J+)
RE26-07-3517	26-600776	2.6–3.1	QBT2	0.00596 (J)	—	—	—	—	—	—	—	—	—	—	—	0.000915 (J)
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000696 (J)
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	0.073	—	—	—	—	—	—	—	—	—	—	0.0012
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000479 (J)
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000485 (J)
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000818 (J)
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000823 (J)
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000344 (J)
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00087 (J)
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00034 (J)
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00048 (J)
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000428 (J)
RE26-07-3553	26-600788	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00123
RE26-07-3555	26-600789	0.5–1.0	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000536 (J)
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	—	—	—	—	—	—	—	—	0.00237	—	—	0.000721 (J)
RE26-07-3558	26-600790	0.7–1.2	QBT1V	—	—	—	0.0106 (J)	—	—	0.0104 (J)	0.0114 (J)	—	—	—	0.0105 (J)	0.00118
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000336 (J)
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	0.00163 (J+)	—	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000377 (J)
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	0.0405	0.0262 (J)	0.0489	0.0216 (J)	0.0647	—	—	0.0334 (J)	0.0454	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	—	—	—	—	—	—	—	0.0128 (J)	—	—	—	0.0166 (J)	0.000989 (J)
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000398 (J)
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	—	—	—	0.00218 (J)	—	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000498 (J)
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.00182
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.00524
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	0.00073 (J+)

Table 4.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Aroclor-1248	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Fluoranthene	Hexanone[2-]	Isopropyltoluene[4-]	Phenanthrene	Pyrene	Toluene
Industrial SSLs[a]				**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**2310**	**24400**	**48700**[b]	**389**[c]	**20500**	**30900**	**252**
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	—	0.0041 (J)	—	—	—	—	—	—	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	0.00331 (J)	—	0.0073 (J)	—	—	—	—	—	—	—	—	—	0.000579 (J+)
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	0.0513	—	—	0.0123 (J)	—	0.013 (J)	—	—	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	0.0108	—	—	—	—	—	—	—	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	—	—	0.0053	—	—	—	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] All values from NMED (2006, 092513) unless otherwise noted.

[b] 2-Butanone used as a surrogate.

[c] Isopropylbenzene used as a surrogate.

[d] — = Analyte not detected.

Table 4.6-3
Summary of Radionuclides Detected or Detected above BV/FV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V BV/FV[a]				**na[b]**	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 BV/FV[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial SALs[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—[d]	—	—	—	0.0374977	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	—	—	—	0.0921	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	—	—	—	—	0.273009	2.51	0.125	2.54
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	—	—	—	0.17849	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	0.514	—	0.0269 (J-)	—	—	—	—	—
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	—	—	—	0.0890857	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	—	—	—	—	0.442916	—	—	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	—	—	—	—	0.0973961	—	—	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	—	—	—	0.0125885	—	—	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	—	—	—	0.00547492	—	—	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	0.243	—	—	—	—	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	—	0.00916236	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	1.43	0.154	—	—	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	—	—	—	0.0488085	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	—	—	—	0.04224	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	0.36	—	—	—	0.0366175	—	—	—
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	—	—	—	0.00940406	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	0.177	—	—	—	0.0129471	—	—	—
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	—	—	—	0.0408419	—	—	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	0.164	—	—	—	0.0160767	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	0.224	—	—	0.164	—	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	—	—	—	0.173	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	0.0639466	—	0.112	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	0.108985	—	0.0933	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	0.39062	—	0.0927	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	—	0.111	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	—	—	—	—	—	0.0918	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	—	—	—	0.0232274	—	0.101	—
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	0.0236356	—	0.0911	—

Table 4.6-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V BV/FV[a]				**na[b]**	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 BV/FV[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial SALs[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	—	—	—	—	—	0.128	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	—	—	—	—	0.0573405	—	—	—
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	0.0618511	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	0.16949	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	—	—	—	—	0.0275419	—	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	—	—	—	0.0520392	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	—	—	—	—	0.280074	—	—	—
RE26-07-4221	26-600917	0.0–2.5	QBT3	0.189	—	—	—	0.0224571	—	—	—
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	—	—	—	0.0212409	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	0.0209038	—	0.0945	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	—	—	0.13	0.0345999	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	0.507251	—	—	—
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	—	—	0.157226	—	—	—
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	0.0136797	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	0.0519242	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	—	—	—	0.0502996	—	—	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	—	—	—	0.0469744	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	—	—	—	0.0244345	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	0.311	—	—	—	0.0167871	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	—	0.038172	—	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	0.415	—	0.0769 (J)	—	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	0.2	—	—	—	0.0188317	—	—	—
RE26-07-4245	26-600925	0.5–3.0	QBT3	—	—	—	—	—	2.65	0.187	2.61
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	0.0232763	—	0.0919	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	—	—	0.100239	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	—	0.00832311	—	0.124	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	0.281	—	—	—	0.082043	—	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	0.00733878	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	0.00826904	—	0.107	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	—	—	—	0.0424488	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	0.0538452	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	—	—	—	0.0977	—

Table 4.6-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V BV/FV[a]				**na[b]**	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 BV/FV[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial SALs[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	—	—	—	0.0173553	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	0.0143531	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	0.00634808	—	—	—

Note: All values in pCi/g.

[a] BVs/FVs are from LANL (1998, 059730).

[b] na = Not available.

[c] All values from LANL (2005, 088493).

[d] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Appendix A

Acronyms and Abbreviations, Glossary,
Metric Conversion Table, and Data Qualifier Definitions

A-1.0 ACRONYMS AND ABBREVIATIONS

AK	acceptable knowledge
AOC	area of concern
bgs	below ground surface
BV	background value
CMP	corrugated metal pipe
COC	chain of custody
COPEC	chemical of potential ecological concern
COPC	chemical of potential concern
CRDL	contract-required detection limit
CRWSS	consolidated remote waste storage site
CWDR	chemical waste disposal requests
D&D	decontaminated and decommissioned
DGPS	differential global positioning system
DL	detection limit
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DP	Delta Prime
dpm	disintegration per minute
DRO	diesel range organic
ECR	Environmental Characterization and Remediation Group
ENV	Environmental Stewardship Division
EP	Environmental Programs Directorate
EPA	U.S. Environmental Protection Agency
EQL	estimated quantitation limit
ER	Environmental Restoration
ERS	Environmental Remediation and Surveillance Program
ESL	ecological screening level
eV	electronvolt
FID	Flame ionization detector
FV	fallout value
GC	gas chromatography
GPR	ground-penetrating radar
GPS	global positioning system
HE	high explosives
HI	hazard index

HPLC	high-performance liquid chromatography
HSA	hollow-stem auger
HWFP	Hazardous Waste Facility Permit
HYPO	high power
IC	ion chromatography
ICPES	inductively coupled emission spectroscopy
ICPMS	inductively coupled plasma mass spectroscopy
I.D.	inside diameter
IDW	investigation-derived waste
KHz	kilohertz
LANL	Los Alamos National Laboratory
LAL	lower acceptance level
LCS	laboratory control sample
LIR	Laboratory implementation requirement
LLW	low-level radioactive waste
LOPO	low power
L/min	liter per minute
MDA	material disposal area
MDC	minimum detectable concentration
MHz	megahertz
MS	matrix spike
NFA	no further action
NMED	New Mexico Environment Department
NMHWA	New Mexico Hazardous Waste Act
NMSA	New Mexico Statutes Annotated
NPDES	National Pollutant Discharge Elimination System
OU	operable unit
OWR	Omega West Reactor
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
pCi/mL	picocurie per milliliter
PID	photoionization detector
PPE	personal protective equipment
ppm	parts per million
QA	quality assurance
QC	quality control
QAL	Quaternary alluvium

Qbo	Otowi member of the Bandelier Tuff
Qbt	Quaternary Tshirege Member of the Bandelier Tuff
Qbt 2	Quarternary unit 2 [also units 1, 3, and 4] of the Tshirege Member of the Bandelier Tuff
QP	quality procedure
RCRA	Resource Conservation and Recovery Act
RCT	radiation control technician
RFI	RCRA facility investigation
RP	radiation protection
RPD	relative percent difference
RRF	relative response factor
SAL	screening action level
SMO	Sample Management Office
SOP	standard operating procedure
SSL	soil screening level
SSO	site safety officer
SUPO	super power
SVOC	semivolatile organic compound
SWA	Solid Waste Act
SWMU	solid waste management unit
TA	technical area
TAL	target analyte list
TBD	to be determined
TCLP	toxicity characteristic leaching procedure
TPH	total petroleum hydrocarbons
TPU	total propagated uncertainty
UAL	upper acceptance level
UST	underground storage tank
VCA	voluntary corrective action
VCP	vitrified clay pipe
VOC	volatile organic compound
WBR	Water Boiler Reactor
WCSF	waste characterization strategy form
WPF	waste profile form

A-2.0 GLOSSARY

administrative authority—For Los Alamos National Laboratory, one or more regulatory agencies, such as the New Mexico Environment Department, the U.S. Environmental Protection Agency, or the U.S. Department of Energy, as appropriate.

aggregate—At the Los Alamos National Laboratory, an area within a *watershed* containing solid waste management units (SWMUs) and/or areas of concern, and the media affected or potentially affected by releases from those SWMUs and/or areas of concern. Aggregates are designated to promote efficient and effective corrective action activities.

area of concern—(1) A release that may warrant investigation or remediation and is not a specific solid waste management unit (SWMU). (2) An area at Los Alamos National Laboratory that may have had a release of a hazardous waste or a hazardous constituent but is not a SWMU.

background level—(1) The concentration of a substance in an environmental medium (air, water, or soil) that occurs naturally or is not the result of human activities. (2) In exposure assessment, the concentration of a substance in a defined control area over a fixed period of time before, during, or after a data-gathering operation.

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

chemical—Any naturally occurring or human-made substance characterized by a definite molecular composition.

cleanup—A series of actions taken to deal with the release, or threat of a release, of a hazardous substance that could affect humans and/or the environment. The term cleanup is sometimes used interchangeably with the terms remedial action, removal action, or corrective action.

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

consolidated unit—A group of solid waste management units (SWMUs), or SWMUs and areas of concern, which generally are geographically proximate and have been combined for the purposes of investigation, reporting, or remediation.

contaminant—(1) Chemical and radionuclides present in environmental media or on debris above background levels. (2) According to the New Mexico Environment Department (NMED) Consent Order, any hazardous waste listed or identified as characteristic in 40 Code of Federal Regulations (CFR) 261 (incorporated by 20.4.1.200 New Mexico Administrative Code [NMAC]); any hazardous constituent listed in 40 CFR 261 Appendix VIII (incorporated by 20.4.1.200 NMAC) or 40 CFR 264 Appendix IX (incorporated by 20.4.1.500 NMAC); any groundwater contaminant listed in the Water Quality Control Commission (WQCC) Regulations at 20.6.3.3103 NMAC; any toxic pollutant listed in the WQCC Regulations at 20.6.2.7 NMAC; explosive compounds; nitrate; and perchlorate. (Note: Under the NMED Consent Order, the term “contaminant” does not include radionuclides or the radioactive portion of mixed waste.)

corrective action—(1) In the Resource Conservation and Recovery Act, an action taken to rectify conditions potentially adverse to human health or the environment. (2) In the quality assurance field, the process of rectifying and preventing nonconformances.

detection limit—The minimum concentration that can be determined by a single measurement of an instrument. A detection limit implies a specified statistical confidence that the analytical concentration is greater than zero.

discharge—The accidental or intentional spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous waste into, or on, any land or water. (Resource Conservation and Recovery Act, 40 Code of Federal Regulations [CFR] 260.10)

disposal—The discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste or hazardous waste into, or on, any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including groundwaters. (40 Code of Federal Regulations [CFR] 260.10)

effluent—Wastewater (treated or untreated) that flows out of a treatment plant, sewer, or industrial outfall. Generally refers to wastes discharged into surface waters.

environmental surveillance—The collection and analysis of samples from air, water, soil, foodstuffs, biota, and other media to determine the environmental quality of an industry or community. Environmental surveillance is performed commonly at sites that contain nuclear facilities.

exposure pathway—Any path from the sources of contaminants to humans and other species or settings through soil, water, or food.

groundwater—Interstitial water that occurs in saturated earth material and is capable of entering a well in sufficient amounts to be used as a water supply.

hazardous waste—(1) Solid waste (as defined in 40 Code of Federal Regulations [CFR] 261.2) that is a listed as hazardous waste (as provided in 40 CFR Subpart D), or as a waste that exhibits any of the characteristics of hazardous waste (i.e., ignitability, corrosivity, reactivity, or toxicity, as provided in 40 CFR, Subpart C). (2) According to the New Mexico Environment Department's Consent Order, any solid waste or combination of solid wastes that, because of its quantity, concentration, or physical, chemical, or infectious characteristics, meets the description set forth in New Mexico Statutes Annotated 1978, § 74-4-3(K) and is listed as a hazardous waste or exhibits a hazardous waste characteristic under 40 CFR 261 (incorporated by 20.4.1.200 New Mexico Administrative Code).

Hazardous and Solid Waste Amendments (HSWA)—Public Law No. 98-616, 98 Stat. 3221, enacted in 1984, which amended the Resource Conservation and Recovery Act of 1976 (42 United States Code § 6901 et seq).

interim measure—An action that can be implemented to minimize or prevent the migration of contaminants and to minimize or prevent actual or potential human or ecological exposure to contaminants, while long-term final corrective action remedies are evaluated and, if necessary, implemented.

institutional controls—Controls that prohibit or limit access to contaminated media. Institutional controls may include use restrictions, permitting requirements, standard operating procedures, laboratory implementation requirements, laboratory implementation guidance, and laboratory performance requirements.

medium (environmental)—Any material capable of absorbing or transporting constituents. Examples of media include tuffs, soils and sediments derived from these tuffs, surface water, soil water, groundwater, air, structural surfaces, and debris.

no further action—Under the Resource Conservation and Recovery Act, a corrective-action determination whereby, based on evidence or risk assessment, no further investigation or remediation is warranted.

notice of deficiency—A written notification from the administrative authority to a facility owner/operator following the review of a permit application or other permit-related plan or report. The NOD requests additional information before a decision can be made regarding the original plan or report.

permit modification—A change to a condition in a facility's Hazardous Waste Facility Permit, initiated by either a request from the permittee or by the administrative authority's action.

polychlorinated biphenyls (PCBs)—Any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees, or any combination that contains such substances. PCBs are colorless, odorless compounds that are chemically, electrically, and thermally stable and have proven to be toxic to both humans and other animals.

potential release site—A potentially contaminated site at Los Alamos National Laboratory. PRSs include both solid waste management units and areas of contamination.

radiation—A stream of particles or electromagnetic waves emitted by atoms and molecules of a radioactive substance as a result of nuclear decay. The particles or waves emitted can consist of neutrons, positrons, alpha particles, beta particles, or gamma radiation.

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

release—Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing of hazardous waste or hazardous constituents into the environment.

remediation—(1) The process of reducing the concentration of a contaminant (or contaminants) in air, water, or soil media to a level that poses an acceptable risk to human health and the environment. (2) The act of restoring a contaminated area to a usable condition based on specified standards.

Resource Conservation and Recovery Act (RCRA)—The Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976. (Public Law [PL] 94-580, as amended by PL 95-609 and PL 96-482, United States Code 6901 et seq.)

runoff—The portion of the precipitation on a drainage area that is discharged from the area.

run-on—Surface water that flows onto an area as a result of runoff occurring higher up on a slope.

sediment—(1) A mass of fragmented inorganic solid that comes from the weathering of rock and is carried or dropped by air, water, gravity, or ice. (2) A mass that is accumulated by any other natural agent and that forms in layers on the Earth's surface (e.g., sand, gravel, silt, mud, fill, or loess). (3) A solid material that is not in solution and is either distributed through the liquid or has settled out of the liquid.

site characterization—Defining the pathways and methods of migration of hazardous waste or constituents, including the media affected; the extent, direction and speed of the contaminants; complicating factors influencing movement; or concentration profiles. (U.S. Environmental Protection Agency, May 1994. Publication EPA-520/R-94/004)

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

solid waste—Any garbage, refuse, or sludge from a waste treatment plant, water-supply treatment plant, or air-pollution control facility, and other discarded material, including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations and from community activities. Solid waste does not include solid or dissolved materials in domestic sewage; solid or dissolved materials in irrigation return flows; industrial discharges that are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, as amended; or source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954, as amended.

solid waste management unit (SWMU)—(1) Any discernible site at which solid wastes have been placed at any time, whether or not the site use was intended to be the management of solid or hazardous waste. SWMUs include any site at a facility at which solid wastes have been routinely and systematically released. This definition includes regulated sites (i.e., landfills, surface impoundments, waste piles, and land treatment sites), but does not include passive leakage or one-time spills from production areas and sites in which wastes have not been managed (e.g., product storage areas). (2) According to the New Mexico Environment Department (NMED) Consent Order, any discernible site at which solid waste has been placed at any time, and from which NMED determines there may be a risk of a release of hazardous waste or hazardous waste constituents (hazardous constituents), whether or not the site use was intended to be the management of solid or hazardous waste. Such sites include any area in Los Alamos National Laboratory at which solid wastes have been routinely and systematically released; they do not include one-time spills.

technical area (TA)—At Los Alamos National Laboratory, an administrative unit of operational organization (e.g., TA-21).

topography—The physical or natural features of an object or entity and their structural relationships.

tuff—Consolidated volcanic ash, composed largely of fragments produced by volcanic eruptions.

watershed—A region or basin drained by, or contributing waters to, a river, stream, lake, or other body of water and separated from adjacent drainage areas by a divide, such as a mesa, ridge, or other geologic feature.

A-3.0 METRIC CONVERSION TABLE

Multiply SI (Metric) Unit	by	To Obtain US Customary Unit
kilometers (km)	0.622	miles (mi)
kilometers (km)	3281	feet (ft)
meters (m)	3.281	feet (ft)
meters (m)	39.37	inches (in.)
centimeters (cm)	0.03281	feet (ft)
centimeters (cm)	0.394	inches (in.)
millimeters (mm)	0.0394	inches (in.)
micrometers or microns (µm)	0.0000394	inches (in.)
square kilometers (km^2)	0.3861	square miles (mi^2)
hectares (ha)	2.5	acres
square meters (m^2)	10.764	square feet (ft^2)
cubic meters (m^3)	35.31	cubic feet (ft^3)
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter (g/cm^3)	62.422	pounds per cubic foot (lb/ft^3)
milligrams per kilogram (mg/kg)	1	parts per million (ppm)
micrograms per gram (µg/g)	1	parts per million (ppm)
liters (L)	0.26	gallons (gal.)
milligrams per liter (mg/L)	1	parts per million (ppm)
degrees Celsius (°C)	9/5 + 32	degrees Fahrenheit (°F)

A-4.0 DATA QUALIFIER DEFINITIONS

Data Qualifier	Definition
U	The analyte was analyzed for but not detected.
J	The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis.
J+	The analyte was positively identified, and the result is likely to be biased high.
J-	The analyte was positively identified, and the result is likely to be biased low.
UJ	The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.
R	The data are rejected as a result of major problems with quality assurance/quality control (QA/QC) parameters.

Appendix B

Field Methods

B-1.0 INTRODUCTION

This appendix summarizes field methods used during the 2007 investigation at Middle Los Alamos Canyon Aggregate Area. Table B-1.0-1 provides general method information, and the following sections provide more detailed field methods for Middle Los Alamos Canyon Aggregate Area. All activities were conducted in accordance with the applicable Environmental Programs Directorate standard operating procedures (SOPs) and quality procedures (QPs), which may be found at the following URL: http://www.lanl.gov/environment/all/qa.shtml?0.

B-2.0 EXPLORATORY DRILLING CHARACTERIZATION

No exploratory drilling characterization was conducted during the 2007 investigation activities. All drilling was conducted for the purpose of collecting investigation samples.

B-3.0 FIELD-SCREENING METHODS

This section summarizes the field-screening methods used during the 2007 drilling and sampling activities. The field-screening results are presented in section 1.3.4 of the investigation report. Field screening for volatile organic compounds (VOCs) and radioactivity was performed on each sample from each borehole. Field-screening results for 2007 investigation activities are presented in Table 1.3-4 of this report.

B-3.1 Field Screening for VOCs

Organic vapor screening was conducted using a photoionization detector (PID) in accordance with SOP-6.33, Headspace Vapor Screening with a Photoionization Detector. Each sample was field screened for VOCs using a MiniRae 2000 PID with an 11.7 electronvolt (eV) lamp (Table 1.3-4). A total of four PIDs, bench calibrated yearly by the vendor, were field calibrated daily by field personnel using 100 parts per million (ppm) isobutylene as a span calibration gas.

B-3.2 Field Screening for Radioactivity

Immediately upon separating the split-spoon core barrel, each core was screened for radioactivity, targeting alpha and beta/gamma emitters. Screening was conducted by a Los Alamos National Laboratory (Laboratory) radiation control technician (RCT) who used an Eberline E-600 radiation meter with an SHP-380AB alpha and beta/gamma scintillation detector held within 1-in. of the core barrel. The Eberline E 600 with attachment SHP-380AB consists of a dual phosphor plate covered by two mylar windows housed in a light-excluding metal body. The phosphor plate is a plastic scintillator for the detection of beta and gamma emissions and is thinly coated with zinc sulfide for the detection of alpha emissions. The operational range varies from trace emissions to 1 million disintegrations per minute (dpm).

B-3.3 Borehole Logging

Continuous boring logs were completed for all borehole locations at Middle Los Alamos Canyon Aggregate Area in 2007. For the 2007 drilling activities, all boreholes were continuously cored and logged in 2.5-ft intervals in accordance with SOP-12.01, Field Logging, Handling, and Documentation of Borehole Materials. Information recorded on field boring logs included footage and percent recovery,

rock-quality designation, lithology, depth of samples collected, field-screening results for radioactivity and organic vapors, core description date, and other relevant observations.

The lithologic description for each core interval included

- ash matrix integrity,
- staining and/or presence of clay-filled fracture zones,
- qualitative description of moisture presence, and
- any other information pertinent to the geology of the core recovered.

B-3.4 Borehole Abandonment

All boreholes greater than 20 ft in depth were abandoned by filling the borehole with a bentonite/concrete mixture. The boreholes were pressure-grouted from the bottom of the borehole to the surface in accordance with Section X.D of the Compliance Order on Consent (Consent Order). Shallow holes (0–20 ft) were abandoned by placing bentonite chips in the borehole up to 2–3 ft from the ground surface. The chips were hydrated and then 2–3 ft of concrete or clean soil was placed on top.

All cuttings from the boreholes were placed in appropriate waste containers.

B-4.0 FIELD INSTRUMENT CALIBRATION

All instruments were calibrated before use. Several environmental factors affected the instruments' integrity, including air temperature, atmospheric pressure, wind speed, and humidity. Calibration of the PID was conducted by the site safety officer (SSO). Calibration of the Eberline E-600 was conducted by the RCT. All calibrations were performed according to the manufacturers' specifications and requirements.

B-4.1 PID Calibration

The PID was calibrated both to ambient air and a standard reference gas (100 ppm isobutylene). The ambient-air calibration determined the zero point of the instrument sensor calibration curve in ambient air. Calibration with the standard reference gas determined a second point of the sensor calibration curve. Each calibration was within 3% of 100 ppm isobutylene, qualifying the instrument for use.

The following calibration information was recorded daily on operational calibration logs:

- instrument ID number
- final span settings
- date and time
- concentration and type of calibration gas used (isobutylene at 100 ppm)
- name of the SSO performing the calibration

All daily calibration procedures for the MiniRAE 2000 PID met the manufacturer's specifications for standard reference gas calibration.

B-4.2 Eberline E-600 Instrument Calibration

The Eberline E-600 was calibrated daily by the RCT before local background levels for radioactivity were measured. The instrument was calibrated using plutonium-239 and chloride-36 sources for alpha and beta emissions, respectively. The following five checks were performed as part of the calibration procedures: calibration date, physical damage, battery, response to a source of radioactivity, and background. All calibrations performed for the Eberline E-600 met the manufacturer's specifications, the requirements of QP-5.2, and the applicable radiation detection instrument manual.

B-5.0 SURFACE AND SUBSURFACE SAMPLING

This section summarizes the methods used for collecting samples for laboratory analysis, including surface soil and fill, subsurface rock, and subsurface pore-gas samples. The samples were collected according to the approved investigation work plan (LANL 2006, 092571.12).

B-5.1 Surface Soil Sampling Methods

Surface samples were collected at all of the Technical Area (TA) 02 and TA-26 sampling locations. These samples were collected from 0 to 0.5 ft below ground surface (bgs) in accordance with SOP-06.10, Hand Auger and Thin-Wall Tube Sampler. A hand auger was used to collect material in approximately 6-in. increments. A stainless-steel scoop and bowl were used to homogenize the samples, which were transferred to sterile sample collection jars or bags for transport to the Sample Management Office (SMO). The sample collection tools were decontaminated immediately before collection of each sample in accordance with SOP-5061, Field Decontamination of Drilling and Sampling Equipment.

B-5.2 Subsurface Rock Sampling Methods

The subsurface rock samples were collected using a hollow-stem auger (HSA) drill rig in accordance with SOP-06.26, Core Barrel Sampling for Subsurface Earth Materials, or using a hand auger in accordance with SOP-06.10, Hand Auger and Thin-Wall Tube Sampler. A total of three HSA drilling rigs were used: two track mounted LAR-75 (limited access rigs) manufactured by D&R Services and one truck mounted Central Mine Equipment- 50. Borehole samples were collected in a stainless-steel split-spoon core-barrel sampler that retrieved core in 2.5-ft or 5-ft intervals. The samples collected, listed by borehole and depth, are listed in Table 1.3-3 of this investigation report.

Samples for VOC analysis were collected immediately to minimize the loss of subsurface VOCs during the sample collection process. A stainless-steel scoop and bowl were used to homogenize the samples, which were then transferred to sterile sample collection jars or bags for transport to the SMO. The sample collection tools were decontaminated immediately before collection of each sample in accordance with SOP-5061, Field Decontamination of Drilling and Sampling Equipment.

B-5.3 Quality Assurance/Quality Control Samples

Quality assurance/quality control (QA/QC) samples for soils and tuff were collected in accordance with SOP-5059, Field Quality Control Samples. Field duplicate samples were collected at a frequency of at least 1 duplicate sample for every 10 samples. Field rinsate samples were collected from sampling equipment at a frequency of at least 1 rinsate sample for every 10 samples. Field trip blanks also were collected at a frequency of 1 per 10 samples.

B-5.4 Sample Documentation and Handling

Field personnel completed a sample collection log and chain-of-custody (COC) form for each sample set. Sample containers were sealed with signed COC seals and placed in coolers at approximately 4°C. Samples were packaged with preservatives, as necessary, depending upon the analytical method to be used, packed, handled, and shipped in accordance with SOP-5057, Handling, Packaging, and Transporting Field Samples, and SOP-5056, Sample Containers and Preservation.

Swipe samples were collected from the exterior of sample containers and analyzed by the RCT before the sample containers were removed from the site. Samples were transported to the SMO in sealed coolers before they were shipped to the analytical laboratory. The SMO reviewed and approved the sample collection logs and COC forms and accepted custody of the samples.

B-5.5 Decontamination of Sampling Equipment

The split-spoon core barrel and all other sampling equipment that made (or could have made) contact with sample material were decontaminated after each core was retrieved and logged. Decontamination included wiping the equipment with a household-strength cleaning spray and sterile paper towels. Decontamination of the drilling equipment was conducted before mobilization of the drill rig to another borehole to avoid cross-contamination between samples and borehole locations. Decontamination activities were performed in accordance with SOP-5061, Field Decontamination of Drilling and Sampling Equipment, and SOP-5059, Field Quality Control Samples.

B-6.0 GEOPHYSICAL LOGGING

In August 2007, ARM Group, Inc., conducted geophysical surveys to locate the radioactive liquid waste transfer line using ground-penetrating radar (GPR) and radio-frequency pipe locator techniques. The GPR survey was performed using a digital SIR-3000 Subsurface Interface Radar System, manufactured by Geophysical Survey Systems, Inc. Data from a 400 megahertz (MHz) transducer were acquired along transects oriented perpendicularly to the suspected waste line orientation.

A Radiodetection RD4000 multifrequency utility locating system was used to attempt to locate the selected buried utilities. The instrument used consisted of a receiver and a remote transmitter that operated at frequencies ranging between 9.8 and 82 kilohertz (KHz). The transmitter induced a radio-frequency signal in the utility either by inductive coupling or by direct hook-up. The pipe locator transmitter was physically connected to the test lead ports at the southeast end of the site. The signal diminished abruptly, approximately 200 ft from the test lead connections, which indicated a break in the line or the end of the line.

Geophysical results indicated that the industrial waste line terminated approximately 200 ft west of the test lead connections and had been removed west of the termination.

B-7.0 GEODETIC SURVEYING

Geodetic surveys of all sample locations were performed using a Trimble RTK 5700 differential global positioning system (DGPS) referenced from published and monumented external Laboratory survey control points in the vicinity. All sample locations were surveyed according to SOP-5028, Coordinating and Evaluating Geodetic Surveys. Horizontal accuracy of the monumented control points is within 0.1 ft. The DGPS instrument referenced from Laboratory control points is accurate within 0.2 ft.

B-8.0 DEVIATIONS FROM WORK PLAN

The following deviations from the approved work plan were required because of site conditions encountered during sampling activities.

B-8.1 Sample Collection

The following deviations from the approved work plan (LANL 2006, 092571.12) occurred during sample collection.

- The sample intervals required by the investigation work plan (typically 0.5-ft intervals) were lengthened due to volume requirements of sampling methods and suites. Table 1.3-3 lists the actual sample intervals for all samples collected.
- All sampling depths required by the investigation work plan were not collected due to hand auger refusal at locations inaccessible to a drill rig, or due to drill rig refusal. The HSA rig met refusal at 95 locations, and hand augering met refusal at 60 locations.
- The investigation work plan required specific (e.g., 0–0.5 ft and 4.5–5.0 ft bgs) and relative (e.g., soil/tuff interface and depth of first encounter of saturated zone) sampling intervals, but in some cases the sampling intervals overlapped and the collected samples served a dual purpose. For example, at location 02-600125 in AOC 02-003(b), samples were planned for the soil/tuff interface and the top of the saturated zone. The saturated zone was encountered in the interval (14.5–16.7 ft bgs) sampled for the soil/tuff interface (sample RE02-07-699), so the single sample represents both the soil/tuff interface and the top of the saturated zone.
- The investigation work plan required the saturated zone to be sampled, but at some locations it was not encountered and could not be sampled. For example, at location 02-600119 in AOC 02-003(a), samples were planned for the soil/tuff interface and the top of the saturated zone. The soil/tuff interface was encountered and sampled (sample RE02-07-676, 15.0–21.0 ft bgs), but no saturated zone was encountered. Therefore no additional sample was collected beyond the soil/tuff interface sample.
- Radiological analytes were not collected for two samples (RE02-07-2325 at location 02-600527 and RE02-07-1656 at location 02-600409) because refusal resulted in insufficient material for all required sample containers.
- One location at TA-26 (location 26-600782) was not sampled due to hand auger refusal and inaccessibility to a drill rig.
- Geophysical surveys were conducted only at locations where removal of subsurface structures was not documented from previous investigation or remedial activities.

B-8.2 Borehole Abandonment

The following deviation was approved by NMED (Roberts 2007, 099144).

> All boreholes greater than 20 ft in depth were abandoned by filling the borehole with a bentonite/concrete mixture. The boreholes were pressure-grouted from the bottom of the borehole to the surface in accordance with Section X.D of the Consent Order. Shallow holes (0–20 ft) were abandoned by placing bentonite chips in the borehole up to 2–3 ft from the ground surface. The chips were hydrated and 2–3 ft of concrete or clean soil were placed on top.

B-8.3 Waste

According to the approved investigation work plan (LANL 2006, 092571.12), the waste generated during the investigation activities was expected to be low-level radioactive waste. Based on analytical data from samples collected from the waste containers, three waste streams were generated during field activities, including low-level, industrial, and hazardous waste. NMED was informed of this deviation and approved of the deviation (Roberts 2007, 099143).

B-9.0 REFERENCES

The following list includes all documents cited in this appendix. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy–Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

LANL (Los Alamos National Laboratory), May 2006. "Investigation Work Plan for Middle Los Alamos Canyon Aggregate Area, Revision 1," Los Alamos National Laboratory document LA-UR-06-3015, Los Alamos, New Mexico. (LANL 2006, 092571.12)

Roberts, K., August 1, 2007. RE: Middle Los Alamos Canyon Aggregate Area Investigation. E-mail message to S. Paris (LANL) from K. Roberts (NMED), Santa Fe, New Mexico. (Roberts 2007, 099143)

Roberts, K., December 12, 2007. RE: Middle LA Waste Streams. E-mail message to S. Paris (LANL) from K. Roberts (NMED), Santa Fe, New Mexico. (Roberts 2007, 099144)

Table B-1.0-1
Brief Description of Field Investigation Methods

Method	Summary
Spade and Scoop Collection of Soil Samples	This method is typically used for collection of shallow (i.e., approximately 0-12 in.) soil or sediment samples. The spade-and-scoop method involves digging a hole to the desired depth, as prescribed in the sampling and analysis plan, and collecting a discrete grab sample. The sample is typically placed in a clean stainless-steel bowl for transfer into various sample containers.
Hand Auger Sampling	This method is typically used for sampling soil or sediment at depths of less than 10–15 ft but may in some cases be used for collecting samples of weathered or nonwelded tuff. The method involves hand-turning a stainless-steel bucket auger (typically 3–4 in. inside diameter [I.D.]), creating a vertical hole which can be advanced to the desired sample depth. When the desired depth is reached, the auger is decontaminated before advancing the hole through the sample depth. The sample material is transferred from the auger bucket to a stainless-steel sampling bowl before filling the various required sample containers.
Split-Spoon Core-Barrel Sampling	In this method, a stainless-steel core barrel (typically 4-in. I.D., 2.5 ft long) is advanced using a powered drilling rig. The core barrel extracts a continuous length of soil and/or rock that can be examined as a unit. The split-spoon core barrel is a cylindrical barrel split lengthwise so that the two halves can be separated to expose the core sample. Once extracted, the section of core is typically screened for radioactivity and organic vapors, photographed, and described in a geologic log. A portion of the core may then be collected as a discrete sample from the desired depth.
Handling, Packaging, and Shipping of Samples	Field team members seal and label samples before packing and ensure that the sample containers and the containers used for transport are free of external contamination. Field team members package all samples to minimize the possibility of breakage during transportation. After all environmental samples are collected, packaged, and preserved, a field team member transports them to either the SMO or an SMO-approved radiation screening laboratory under COC. The SMO arranges for shipping of samples to analytical laboratories. The field team member must inform the SMO and/or the radiation screening laboratory coordinator when levels of radioactivity are in the action-level or limited-quantity ranges.
Sample Control and Field Documentation	The collection, screening, and transport of samples are documented on standard forms generated by the SMO. These include sample collection logs, COC forms, and sample container labels. Collection logs are completed at the time of sample collection and are signed by the sampler and a reviewer who verifies the logs for completeness and accuracy. Corresponding labels are initialed and applied to each sample container, and custody seals are placed around container lids or openings. The COC forms are completed and assigned to verify that the samples are not left unattended.
Field Quality Control Samples	Field quality control samples are collected as directed in the Consent Order and SOP-5059 as follows: *Field Duplicates*: at a frequency 10%; collected at the same time as a regular sample and submitted for the same analyses *Equipment Rinsate Blank*: at a frequency of 10%; collected by rinsing sampling equipment with deionized water, which is collected in a sample container and submitted for laboratory analysis *Trip Blanks*: required for all field events that include the collection of samples for VOC analysis. Trip blanks containers of certified clean sand that are opened and kept with the other sample containers during the sampling process

Table B-1.0-1 (continued)

Method	Summary
Field Decontamination of Drilling and Sampling Equipment	Dry decontamination is the preferred method to minimize the generation of liquid waste. Dry decontamination may include the use of a wire brush or other tool for removing soil or other material adhering to the sampling equipment, followed by use of a commercial cleaning agent (nonacid, waxless cleaners) and paper wipes. Dry decontamination may be followed by wet decontamination if necessary.
Containers and Preservation of Samples	Specific requirements/processes for sample containers, preservation techniques, and holding times are based on U.S. Environmental Protection Agency guidance for environmental sampling, preservation, and quality assurance. Specific requirements for each sample are printed on the sample collection logs provided by the SMO (size and type of container, e.g., glass, amber glass, and polyethylene). All samples are preserved by being placed in insulated containers with ice to maintain a temperature of 4˚C. Other requirements, such as nitric acid or other preservatives, may apply to different media or analytical requests.
Coordinating and Evaluating Geodetic Surveys	Geodetic surveys focused on obtaining survey data of acceptable quality for use during project investigations. Geodetic surveys were conducted with a Trimble 5700 DGPS. The survey data conformed to Laboratory Information Architecture (IA) project standards IA-CB02, GIS Horizontal Spatial Reference System, and IA-D802, Geospatial Positioning Accuracy Standard for A/E/C/ and Facility Management. All coordinates are expressed as State Plain Coordinate System 83, NM Central, U.S. feet coordinates. All elevation data are reported relative to the National Geodetic Vertical Datum of 1983.
Management of Environmental Restoration Project Waste, Waste Characterization	Investigation-derived waste (IDW) is managed, characterized, and stored in accordance with an approved waste characterization strategy form that documents site history, field activities, and the characterization approach for each waste stream managed. Waste characterization shall be adequate to comply with on-site or off-site waste acceptance criteria. All stored IDW will be marked with appropriate signage and labels. Drummed IDW will be stored on pallets to prevent deterioration of containers. Generators are required to reduce the volume of waste generated by as much as is technically and economically feasible. The means to store, control, and transport each potential waste type and its classification shall be determined before the start of field operations that generate waste. A waste storage area shall be established before waste is generated. Waste storage areas located in controlled areas of the laboratory shall be controlled as needed to prevent inadvertent addition or management of wastes by unauthorized personnel. Each container of waste generated shall be individually labeled with waste classification, item identification number, and radioactivity (if applicable), immediately following containerization. All waste shall be segregated by classification and compatibility to prevent cross-contamination. Management of IDW is presented in Appendix G.

Appendix C

Borehole Logs
(on CD included with this document)

Appendix D

Data Quality

D-1.0 INTRODUCTION

Quality assurance (QA), quality control (QC), and data validation procedures were implemented in accordance with the requirements of the "Quality Assurance Project Plan Requirements for Sampling and Analysis" (LANL 1996, 054609), and the Los Alamos National Laboratory (LANL or the Laboratory) analytical services statement of work (SOW) for contract laboratories (LANL 2000, 071233). The results of the QA/QC activities were used to estimate accuracy, bias, and precision of the analytical measurements. QC samples included method blanks, blank spikes, matrix spikes, and laboratory control samples (LCSs) to assess accuracy and bias. Internal standards, external standards, surrogates, and tracers were also used to assess accuracy. The type and frequency of QC analyses are described in the analytical services SOW (LANL 2000, 071233). Other QC factors such as sample preservation and holding times were also assessed. Evaluating these QC indicators allows estimates to be made of the accuracy, bias, and precision of the analytical suites. A focused data validation was also performed for all the data packages (also referred to as request numbers). The focused validation followed the same procedure discussed above and included a more detailed review of the raw data results generated by the analytical laboratory.

A number of analytical results were rejected for various reasons and are not usable for the purposes of this report. The rejected results for each site are discussed in sections D-3.2 (inorganic chemicals), D-4.2 (organic chemicals) and D-5.2 (radionuclides). The remaining data, including qualified data, are usable for evaluation and interpretive purposes.

During this investigation 1328 samples and 130 field duplicate samples were collected at Technical Area (TA) 02, 98 samples and 9 field duplicate samples were collected at TA-21, and 95 samples and 8 field duplicate samples were collected at TA-26.

The analytical methods used for inorganic chemical, organic chemical, and radionuclide analyses are listed in Table D-1.0-1. All QC procedures were followed as required in the analytical services SOW (LANL 2000, 071233). All the qualifiers applied to inorganic chemical, organic chemical, and radionuclide analyses are included in the data tables provided in the main text, on DVD in Appendix E, and in Appendix F.

D-2.0 DATA QUALITY RESULTS

D-2.1 Maintenance of Chain of Custody

Chain of custody (COC) forms were maintained properly for all samples analyzed (COCs are included with the field and analytical records in Appendix E).

D-2.2 Sample Documentation

All samples collected were properly documented on sample collection logs (SCLs) in the field (Appendix E).

D-2.3 Data Validation Qualifiers and Associated Reasons

The reasons for assigned validation qualifiers are varied. Table D-2.0-1 summarizes the specific reasons used for assigning validation qualifiers to data evaluated for the Middle Los Alamos Canyon Aggregate Area.

D-3.0 INORGANIC ANALYSIS METHODS

A total of 1227 samples from the Middle Los Alamos Canyon Aggregate Area, TA-02, were analyzed for inorganic chemicals. One thousand two hundred and eleven samples were analyzed for target analyte list (TAL) metals, 1034 samples were analyzed for perchlorate, 1111 samples for anions, 446 samples for hexavalent chromium, and 1012 samples for cyanide.

A total of 96 samples from the Middle Los Alamos Canyon Aggregate Area, TA-21, were analyzed for inorganic chemicals. All 96 samples were analyzed for TAL metals, perchlorate, anions, and cyanide.

A total of 95 samples from the Middle Los Alamos Canyon Aggregate Area, TA-26, were analyzed for inorganic chemicals. All 95 samples were analyzed for TAL metals, perchlorate, anions, and cyanide.

D-3.1 Inorganic QA/QC Samples

The use of QA/QC samples is designed to produce quantitative measures of the reliability of specific parts of an analytical procedure. The results of the QA/QC analyses performed on a sample provide confidence about whether the analyte is present and whether the concentration reported is accurate. The methods for validating inorganic chemical results on the basis of the various QA/QC sample types are specified in Standard Operating Procedure (SOP) 15.05, Routine Validation of Inorganic Data. The validation of inorganic chemical data can result in the rejection of the data or the assignment of various qualifiers to individual sample results (see Appendix A for data qualifier definitions).

LCSs, preparation blanks, matrix spike (MS) samples, field duplicate samples, interference check samples, and serial dilution samples were analyzed to assess accuracy and precision of inorganic chemical analyses. Each of these QA/QC sample types is defined in the analytical services SOW (LANL 2000, 071233) and described briefly in the sections below.

The LCS serves as a monitor of the overall performance of each step during the analysis, including sample digestion. The analytical results for the samples were qualified according to National Functional Guidelines (EPA 1994, 048639) if the individual LCS recovery indicated an unacceptable bias in the measurement of individual analytes. LCS control limits of less than 30% and greater than 150% is prohibited (LANL 2000, 071233).

Preparation blanks are used as a measurement of bias and potential cross-contamination. The blank results for inorganic chemical analyses were within acceptable limits for all the analyses. All target analytes should be below the contract-required detection limit (CRDL) in the preparation blank.

The accuracy of inorganic chemical analyses is also assessed using MS samples. An MS sample is designed to provide information about the effect of each sample matrix on the sample preparation procedures and analytical technique. The spike sample recoveries should be within the acceptance range of 75%–125% (LANL 2000, 071233).

Analyzing duplicate samples assesses the precision of inorganic chemical analyses. The relative percent differences (RPDs) between the sample and the duplicate should be ±20% for samples with concentrations greater than or equal to 5 times the reporting limit; for samples with concentrations less than 5 times the reporting limit, the RPD is the reporting limit (LANL 2000, 071233).

D-3.2 Rejected Results

Six perchlorate results from four soil, one alluvium, and one sediment sample from Area of Concern (AOC) 02-003(b) were rejected because the associated spike sample recovery was less than 30%. Four of the results were initially qualified as nondetects, and two were initially qualified as estimated (J) by the analytical laboratory. Seven perchlorate results remain for evaluation at AOC 02-003(b).

One perchlorate result from a soil sample from AOC 02-003(c) was rejected because the associated spike sample recovery was less than 30%. The result was initially qualified as a nondetect by the analytical laboratory. Thirty-two perchlorate results remain for evaluation at AOC 02-003(c).

Twelve antimony results from nine soil and three alluvium samples from AOC 02-003(d) were rejected because the associated spike sample recovery was less than 30%. All but one of the results were initially qualified as nondetects by the analytical laboratory. Twenty-four antimony results remain for evaluation at AOC 02-003(d).

Two antimony results from one tuff and one alluvium sample from AOC 02-003(e) were rejected because the associated spike sample recovery was less than 30%. Both results were initially qualified as nondetects by the analytical laboratory. Twenty-one antimony results remain for evaluation at AOC 02-003(e).

Two antimony results from two soil samples from AOC 02-004(a) were rejected because the associated spike sample recovery was less than 30%. Both results were initially qualified as nondetects by the analytical laboratory. Ninety-eight antimony results remain for evaluation at AOC 02-004(a).

Four antimony and two perchlorate results from four tuff and two alluvium samples from AOCs 02-004(b,c,d) were rejected because the associated spike sample recovery was less than 30%. All of the results were initially qualified as nondetects by the analytical laboratory. Fifteen antimony and 17 perchlorate results remained remain for evaluation at AOCs 02-004(b,c,d).

Three antimony results from two soil samples and one tuff sample from AOC 02-004(e) were rejected because the associated spike sample recovery was less than 30%. One result was initially qualified as estimated (J), and the other two were initially qualified as nondetects by the analytical laboratory. Five antimony results remain for evaluation at AOC 02-004(e).

Eight antimony results from eight soil samples from AOC 02-004(f) were rejected because the associated spike sample recovery was less than 30%. All eight results were initially qualified as nondetects by the analytical laboratory. Sixty antimony results remain for evaluation at AOC 02-004(f).

Six antimony results from six soil samples from AOC 02-004(g) were rejected because the associated spike sample recovery was less than 30%. All six results were initially qualified as nondetects by the analytical laboratory. Fifteen antimony results remain for evaluation at AOC 02-004(g).

Twelve hexavalent chromium results from Solid Waste Management Unit (SWMU) 02-006(a) were rejected because the associated spike sample recovery was less than 30%. Three of the results were initially qualified as nondetects by the analytical laboratory. Seventy-six hexavalent chromium results remain for evaluation at SWMU 02-006(a).

Eight antimony results and five chromium results from seven alluvium, two sediment, and four tuff samples from SWMU 02-006(b) were rejected because the associated spike sample recovery was less than 30%. All eight antimony results were initially qualified as nondetects by the analytical laboratory. The

chromium results were initially qualified as detects. Fifty-seven antimony results and 60 chromium results remain for evaluation at SWMU 02-006(b).

Nine hexavalent chromium results from two soil samples, six alluvium samples, and one tuff sample from AOC 02-006(c) were rejected because the associated spike sample recovery was less than 30%. Five of the results were initially qualified as detects (J or no qualifier), and four results were initially qualified as nondetects by the analytical laboratory. Thirteen hexavalent chromium results remain for evaluation at AOC 02-006(c).

Three antimony results from three sediment samples from AOC 02-006(e) were rejected because the associated spike sample recovery was less than 30%. All three results were initially qualified as nondetects by the analytical laboratory. Forty-seven antimony results remain for evaluation at AOC 02-006(e).

Sixty-seven antimony results, 11 chromium results, 5 hexavalent chromium results, and 13 manganese results from 61 soil/fill, 13 alluvium, and 22 tuff samples from Consolidated Unit 02-007-00 were rejected because the associated spike sample recovery was less than 30%. One nitrate result from a soil sample was rejected because the sample was analyzed after a period had elapsed equal to or greater than twice the hold time. Sixty-nine of the results were initially qualified as nondetects by the analytical laboratory. One hundred eighty-five antimony results, 241 chromium results, 75 hexavalent chromium results, 239 manganese results, and 191 nitrate results remain for evaluation at Consolidated Unit 02-007-00.

One antimony and one hexavalent chromium result from one soil and one sediment sample from SWMU 02-008(a) were rejected because the associated spike sample recovery was less than 30%. Both results were initially qualified as nondetects by the analytical laboratory. Fifteen antimony results and fourteen hexavalent chromium results remain for evaluation at SWMU 02-008(a).

Two antimony results from two sediment samples from AOC 02-008(c) were rejected because the associated spike sample recovery was less than 30%. Both results were initially qualified as nondetects by the analytical laboratory. Nine antimony results remain for evaluation at AOC 02-008(c).

Eighteen antimony results from four soil, eight alluvium, and six tuff samples from AOC 02-010 were rejected because the associated spike sample recovery was less than 30%. All the results were initially qualified as nondetects by the analytical laboratory. Forty-seven antimony results remain for evaluation at AOC 02-010.

Forty-two antimony results, 2 chromium results, and 17 hexavalent chromium results from 32 soil, 12 alluvium, 4 sediment, and 13 tuff samples from AOC 02-011(a) were rejected because the associated spike sample recovery was less than 30%. Fifty of the 61 results were initially qualified as nondetects by the analytical laboratory. One hundred nine antimony results, 149 chromium results, and 90 hexavalent chromium results remain for evaluation at AOC 02-011(a).

Six perchlorate results from one soil, one alluvium, and four sediment samples from AOC 02-011(b) were rejected because the associated spike sample recovery was less than 30%. Two of the results were initially qualified as estimated (J), and the other four results were initially qualified as nondetects by the analytical laboratory. Three perchlorate results remain for evaluation at AOC 02-011(b).

One antimony result from a soil sample from AOC 02-011(c) was rejected because the associated spike sample recovery was less than 30%. The result was initially qualified as a nondetect by the analytical laboratory. Three antimony results (in alluvium and tuff) remain for evaluation at AOC 02-011(c).

Three antimony results from one soil and two sediment samples from AOC 02-011(d) were rejected because the associated spike sample recovery was less than 30%. All three results were initially qualified as nondetects by the analytical laboratory. Only one antimony result remains for evaluation at AOC 02-011(d).

Eighteen chromium results, 7 cyanide (total) results, 18 mercury results, and 18 nitrate results from samples from Consolidated Unit 21-006(e)-99 were rejected because the associated spike sample recovery was less than 30%. All seven cyanide (total) results, one of the mercury results, and seven of the nitrate results were initially qualified as nondetects by the analytical laboratory. Twenty-seven chromium results, 38 cyanide (total) results, 27 mercury results, and 27 nitrate results remain for evaluation at Consolidated Unit 21-006(e)-99.

Nine barium results from AOC 21-028(c) were rejected because the associated spike sample recovery was less than 30%. Forty-two barium results remain for evaluation at AOC 21-028(c).

Twenty antimony results and seven calcium results from SWMU 26-001 were rejected because the associated spike sample recovery was less than 30%. Nineteen of the antimony results were initially qualified as nondetects by the analytical laboratory. Seventy-five antimony results and 88 calcium results remain for evaluation at SWMU 26-001.

D-4.0 ORGANIC ANALYSIS METHODS

A total of 1120 samples from the Middle Los Alamos Canyon Aggregate Area, TA-02, were analyzed for organic chemicals. Six hundred and seventy samples were analyzed for volatile organic compounds (VOCs), 1066 samples were analyzed for semivolatile organic compounds (SVOCs), 906 samples for polychlorinated biphenyls (PCBs), 187 samples for dioxins and furans, and 134 samples for total petroleum hydrocarbons (TPH).

A total of 98 samples from the Middle Los Alamos Canyon Aggregate Area, TA-21, were analyzed for organic chemicals. Ninety-four samples were analyzed for VOCs, 96 samples were analyzed for SVOCs, 2 samples for PCBs, 2 samples for dioxins and furans, and 2 samples for high explosives (HE) compounds.

A total of 95 samples from the Middle Los Alamos Canyon Aggregate Area, TA-26, were analyzed for organic chemicals. All 95 samples were analyzed for SVOCs, PCBs, and HE compounds, and 93 samples were analyzed for VOCs.

D-4.1 Organic QA/QC Samples

The use of QA/QC samples is designed to produce quantitative measures of the reliability of specific parts of an analytical procedure. The results of the QA/QC analyses performed on a sample provide confidence about whether the analyte is present and whether the concentration reported is accurate. The methods for validating organic chemical sample results on the basis of the various QA/QC sample types are specified in SOP-15.01, Routine Validation of Volatile Organic Data, SOP-15.02, Routine Validation of Semivolatile Organic Data, SOP-15.03, Routine Validation of Organochlorine Pesticides and Polychlorinated Biphenyls Data, and SOP-15.04, Routine Validation of High Explosives Data. The validation of organic chemical data can result in the rejection of the data or the assignment of various qualifiers to individual sample results (see Appendix A for data qualifier definitions).

Calibration verifications, instrument-performance checks, LCSs, method blanks, MS samples, surrogates, and internal standards were analyzed to assess the accuracy and precision of organic chemical analyses. Each of these QA/QC sample types is defined in the analytical services SOW (LANL 2000, 071233) and described briefly in the paragraphs below.

Calibration verification is the establishment of a quantitative relationship between the response of the analytical procedure and the concentration of the target analyte. There are two aspects of calibration verification: initial and continuing. The initial calibration verifies the accuracy of the calibration curve as well as the individual calibration standards used to perform the calibration. The continuing calibration ensures that the initial calibration is still holding and correct as the instrument is used to process samples. The continuing calibration also serves to determine that analyte identification criteria such as retention times and spectral matching are being met.

Instrument performance check is the analysis of a chemical of known relative mass abundance that indicates how well a mass spectrometer is calibrated

The LCS is a sample of a known matrix that has been spiked with compounds that are representative of the target analytes, and it serves as a monitor of overall performance on a controlled sample. The LCS is the primary demonstration, on a daily basis, of the ability to analyze samples with good qualitative and quantitative accuracy. The analytical results for the samples were qualified according to National Functional Guidelines (EPA 1999, 066649) if the individual LCS recoveries were not within method-specific acceptance criteria. The LCS recoveries should fall within the control limits of 75%–125% (LANL 2000, 071233).

A method blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as those used in the environmental sample processing and which is extracted and analyzed in the same manner as the corresponding environmental samples. Method blanks are used to assess the potential for sample contamination during extraction and analysis. All target analytes should be below the CRDL in the method blank (LANL 2000, 071233).

The accuracy of organic chemical analyses is also assessed using MS samples, which are aliquots of the submitted samples spiked with a known concentration of the target analyte(s). MS samples are used to measure the ability to recover prescribed analytes from a native sample matrix. Spiking typically occurs before sample preparation and analysis. The spike sample recoveries should be within the acceptance range calculated by the laboratory using the procedure given in SW-846 method 8000B and the QC acceptance criteria found within the specific SW-846 method (LANL 2000, 071233).

A surrogate compound (surrogate) is an organic compound used in the analyses of target analytes that is similar in composition and behavior to the target analytes but is not normally found in environmental samples. Surrogates are added to every blank, sample, and spike to evaluate the efficiency with which analytes are recovered during extraction and analysis. The recovery percentage of the surrogates must be within specified ranges of the specific SW-846 method (LANL 2000, 071233).

Internal standards are chemical compounds added to every blank, sample, and standard extract at a known concentration. They are used to compensate for (1) analyte concentration changes that might occur during storage of the extract and (2) quantitation variations that can occur during analysis. Internal standards are used as the basis for quantitation of target analytes. The percent recovery for internal standards should be within the acceptance range calculated by the laboratory using the procedure given in SW-846 method 8000B and the QC acceptance criteria found within the specific SW-846 method (LANL 2000, 071233).

D-4.2 Rejected Results

Six TPH-diesel range organic (DRO) results from six tuff samples from AOC 02-011(a) were rejected because of quality deficiencies in the reported data that required qualification. One of the six results was initially qualified as a nondetect by the analytical laboratory. Twenty-five TPH-DRO results remain for evaluation at AOC 02-011(a).

Four hundred thirteen undetected VOC results from 10 samples from AOC 21-028(c) were rejected because the sample surrogate recovery was less than 10%. Three 2-butanone results were rejected because the associated relative response factor was less than 0.05. No VOCs were rejected in all samples. A total of 2695 VOC results remain for evaluation at AOC 21-028(c).

D-5.0 RADIONUCLIDE ANALYSIS METHODS

A total of 1246 samples from the Middle Los Alamos Canyon Aggregate Area, TA-02, were analyzed for radionuclides. One thousand two hundred and forty samples were analyzed for gamma-emitting radionuclides, 1243 samples for isotopic plutonium, 1229 samples for isotopic uranium, 1243 samples for strontium-90, 1012 samples for americium-241, 84 samples for technetium-99, and 1240 samples for tritium.

A total of 96 samples from the Middle Los Alamos Canyon Aggregate Area, TA-21, were analyzed for radionuclides. All 96 samples were analyzed for gamma spectroscopy, isotopic plutonium, americium-241, isotopic uranium, strontium-90, and tritium.

A total of 95 samples from the Middle Los Alamos Canyon Aggregate Area, TA-26, were analyzed for radionuclides. All 95 samples were analyzed for gamma spectroscopy, isotopic plutonium, isotopic uranium, strontium-90, americium-241, and tritium.

D-5.1 Radionuclide QA/QC Samples

Radionuclides with reported values less than the minimum detectable concentration (MDC) were qualified as nondetected (U) per SOP-15.07, Routine Validation of Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Data. Each radionuclide result was also compared with the corresponding 1 sigma total propagated uncertainty (TPU). If the result was not greater than 3 times the TPU, the radionuclide was qualified as nondetected (U).

Certain gamma spectroscopy analytes are subject to spectral interference from energies of other radionuclides. When this occurs it is not possible to reliably measure these radionuclides. Laboratory results indicated spectral interference for several gamma spectroscopy analytes.

The precision and bias of radiochemical analyses performed at off-site fixed laboratories were assessed using MS samples, LCSs, method blanks, duplicates, and tracers. The analytical services SOW (LANL 2000, 071233) specifies that spike sample recoveries should be within ±25% of the certified value. LCSs were analyzed to assess the accuracy of radionuclide analyses. The LCSs serve as a monitor of the overall performance of each step during the analysis, including the radiochemical separation preparation. The analytical services SOW (LANL 2000, 071233) specifies that LCS recoveries should be within ±20% of the certified value. The analytical services SOW (LANL 2000, 071233) specify that the method blanks are used to assess instrument background. The analytical services SOW (LANL 2000, 071233) specifies that duplicate determinations shall agree when the 95% confidence level uncertainties are considered; that is, the replicate error ratio shall be less than 1. The analytical services SOW (LANL 2000, 071233)

specifies tracer results shall be 50% to 105%, and the concentration of the tracer material shall result in a maximum of 10% uncertainty in a 95% confidence level in the measured recovery.

D-5.2 Rejected Results

Five cesium-134 results and one cesium-137 result from two soil, three alluvium, and one tuff samples from AOC 02-003(a) were rejected because spectral interference prevented positive identification of the analytes. One technetium-99 result from a tuff sample was rejected because minimum detectable activity documentation was missing. All seven results were initially qualified as nondetects by the analytical laboratory. Thirty cesium-134 results and 34 cesium-137 results remain for evaluation at AOC 02-003(a). The rejected technetium-99 result was the only sample from AOC 02-003(a) analyzed for technetium-99.

Ten cesium-134 results, three cesium-137 results, and one ruthenium-106 result from four soil, seven alluvium, one sediment, and two tuff samples from AOC 02-003(b) were rejected because spectral interference prevented positive identification of the analytes. All 14 results were initially qualified as nondetects by the analytical laboratory. Five cesium-134 results, 10 cesium-137 results, 14 ruthenium-106 results remain for evaluation at AOC 02-003(b).

Twelve cesium-134 results and two cesium-137 results from three soil, six alluvium, and five tuff samples from AOC 02-003(c) were rejected because spectral interference prevented positive identification of the analytes. One technetium-99 result from a tuff sample was rejected because MDC documentation was missing. All 15 results were initially qualified as nondetects by the analytical laboratory. Twenty-five cesium-134 results and 37 cesium-137 results remain for evaluation at AOC 02-003(c). The rejected technetium-99 result was the only sample from AOC 02-003(c) analyzed for technetium-99.

Sixteen cesium-134 results and one cesium-137 result from nine soil, six alluvium, and two tuff samples from AOC 02-003(d) were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Twenty cesium-134 results and 35 cesium-137 results remain for evaluation at AOC 02-003(d).

Seven cesium-134 and two cesium-137 results from four soil, four alluvium, and one tuff sample from AOC 02-003(e) were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Sixteen cesium-134 and 21 cesium-137 results remain for evaluation at AOC 02-003(e).

Forty-nine cesium-134 results, 18 cesium-137 results, 11 cobalt-60 results, and 1 sodium-22 result from AOC 02-004(a) were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Fifty cesium-134 results, 81 cesium-137 results, 88 cobalt-60 results, and 98 sodium-22 results remain for evaluation at AOC 02-004(a).

Eleven cesium-134 results, two cesium-137 results, two cobalt-60 results, and one europium-152 result from nine soil, one alluvium, and one tuff sample from AOCs 02-004(b,c,d) were rejected because spectral interference prevented positive identification of the analytes. Five cesium-134 results, 14 cesium-137 results, 14 cobalt-60 results, and 15 europium-152 results remain for evaluation at AOCs 02-004(b, c, and d).

Three cesium-134 results and one cobalt-60 result from two soil, one alluvium, and one tuff sample from AOC 02-004(e) were rejected because spectral interference prevented positive identification of the analytes. All four results were initially qualified as nondetects by the analytical laboratory. Five cesium-134 results and seven cobalt-60 results remain for evaluation at AOC 02-004(e).

Twenty-four cesium-134 results, 10 cesium-137 results, 8 cobalt-60 results, and 1 ruthenium-106 result from 23 soil, 10 alluvium, and 10 alluvium samples from AOC 02-004(f) were rejected because spectral interference prevented positive identification of the analytes. All 43 results were initially qualified as nondetects by the analytical laboratory. Forty-four cesium-134 results, 58 cesium-137 results, 60 cobalt-60 results, and 67 ruthenium-106 results remain for evaluation at AOC 02-004(f).

Eleven cesium-134 results and two cesium-137 results from three soil, five alluvium, one sediment, and four tuff samples from AOC 02-004(g) were rejected because spectral interference prevented positive identification of the analytes. All 13 results were initially qualified as nondetects by the analytical laboratory. Eighteen cesium-134 results and 27 cesium-137 results remain for evaluation at AOC 02-004(g).

Eight cesium-134 results and three cesium-137 results from five soil, five alluvium, and one tuff samples from SWMU 02-005 were rejected because spectral interference prevented positive identification of the analytes. All 11 results were initially qualified as nondetects by the analytical laboratory. Twenty cesium-134 results and 25 cesium-137 results remain for evaluation at SMWU 02-005.

Twenty-four cesium-134 results, three cesium-137 results, one europium-152 result, two ruthenium-106 results, and one sodium-22 results from SWMU 02-006(a) were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Sixty-four cesium-134 results, 85 cesium-137 results, 87 europium-152 results, 86 ruthenium-106 results, and 87 sodium-22 results remain for evaluation at SWMU 02-006(a).

Twenty-five cesium-134 results, four cesium-137 results, three cobalt-60 results, one ruthenium-106 result, and one sodium-22 results from 14 soil, 16 alluvium, and five tuff samples from SWMU 02-006(b) were rejected because spectral interference prevented positive identification of the analytes. One sodium-22 result from an alluvium sample was rejected because minimum detectable activity documentation was missing. All the results were initially qualified as nondetects by the analytical laboratory. Forty cesium-134 results, 61 cesium-137 results, 62 cobalt-60 results, 64 ruthenium-106 results, and 63 sodium-22 results remain for evaluation at SWMU 02-006(b).

Seven cesium-134 results, seven cesium-137 results, one cobalt-60 result, and one ruthenium-106 result from two soil samples, eight alluvium samples, and four tuff samples from AOC 02-006(c) were rejected because spectral interference prevented positive identification of the analyte. All 16 results were initially qualified as nondetects by the analytical laboratory. Fifteen cesium-134 results, 15 cesium-137 results, 21 cobalt-60 results, and 21 ruthenium-106 results remain for evaluation at AOC 02-006(c).

Sixteen cesium-134 results, seven cesium-137 results, and four cobalt-60 results from 18 soil samples, 2 alluvium samples, and 7 tuff samples from AOC 02-006(e) were rejected because spectral interference prevented positive identification of the analytes. Thirty-four cesium-134 results, 43 cesium-137 results, and 46 cobalt-60 results remain for evaluation at AOC 02-006(e).

Sixty-five cesium-134 results, 21 cesium-137 results, 1 cobalt-60 result, 1 europium-152 result, 1 ruthenium-106 result, and 2 sodium-22 results from Consolidated Unit 02-007-00 were rejected because spectral interference prevented positive identification of the analytes. One plutonium-238 result and one technetium-99 result were rejected because of quality deficiencies in the reported data that required qualification.

Six cesium-134 results and one cesium-137 result from one soil, four alluvium, and two tuff samples from SWMU 02-008(a) were rejected because spectral interference prevented positive identification of the

analytes. All seven results were initially qualified as nondetects by the analytical laboratory. Ten cesium-134 results and 15 cesium-137 results remain for evaluation at SWMU 02-008(a).

One americium-241 result, one cesium-134 result, one cesium-137 result, one cobalt-60 result, one ruthenium-106 result, and one sodium-22 result from one soil sample from AOC 02-008(c) were rejected because of quality deficiencies in the reported data that required qualification. Three cesium-134 results from two soil samples and one tuff sample were rejected because spectral interference prevented positive identification of the analyte. Eleven americium-241, cesium-137, cobalt-60, ruthenium-106, and sodium-22 results, and eight cesium-134 results, remain for evaluation at AOC 02-008(c).

Fifteen cesium-134 results, three cesium-137 results, and two cobalt-60 results from 7 soil samples, 10 alluvium samples, and 2 tuff samples from AOC 02-009(d) were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Twenty-three cesium-134 results, 35 cesium-137 results, and 36 cobalt-60 results remain for evaluation at AOC 02-009(d).

Twenty-four cesium-134 results and four cesium-137 results from 6 soil, 12 alluvium, and 10 tuff samples from AOC 02-010 were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Forty-one cesium-134 results and 61 cesium-137 results remain for evaluation at AOC 02-010.

Three americium-241 results, 54 cesium-134 results, 15 cesium-137 results, 3 cobalt-60 results, 2 ruthenium-106 results, and 2 sodium-22 results from 30 soil, 24 alluvium, 9 sediment, and 16 tuff samples from AOC 02-011(a) were rejected either because spectral interference prevented positive identification of the analytes or because of other quality deficiencies in the reported data that required qualification. One hundred fifty-five americium-241 and cobalt-60 results, 104 cesium-134 results, 143 cesium-137 results, and 156 ruthenium-106 and sodium-22 results remain for evaluation at AOC 02-011(a).

Five cesium-134 results from one soil, one alluvium, one tuff, and two sediment samples from AOC 02-011(b) were rejected because spectral interference prevented positive identification of the analyte. All five results were initially qualified as nondetects by the analytical laboratory. Fourteen cesium-134 results remain for evaluation at AOC 02-011(b).

Two cesium-134 results from one soil and one tuff sample from AOC 02-011(c) were rejected because spectral interference prevented positive identification of the analyte. Both results were initially qualified as nondetects by the analytical laboratory. Two cesium-134 results remain for evaluation at AOC 02-011(c).

One cesium-134 result from an alluvium sample from AOC 02-011(d) was rejected because spectral interference prevented positive identification of the analyte. The result was initially qualified as a nondetect by the analytical laboratory. Six cesium-134 results remain for evaluation at AOC 02-011(d).

Nineteen cesium-134 results, four cesium-137 results, one cobalt-60 result, one ruthenium-106 result, and one sodium-22 result from AOC 02-012 were rejected because spectral interference prevented positive identification of the analytes. All 26 results were initially qualified as nondetects by the analytical laboratory. Sixteen cesium-134 results, 31 cesium-137 results, and 34 cobalt-60, ruthenium-106, and sodium-22 results remain for evaluation at AOC 02-012.

Two strontium-90 results and one uranium-235 result from samples from Consolidated Unit 21-006(e)-99 were rejected because spectral interference prevented positive identification of the analytes. All three results were initially qualified as nondetects by the analytical laboratory. One uranium-234, one

uranium-235, and one uranium-238 result were rejected because the associated tracer recovery was less than 10%. One of the results was initially qualified as a nondetect by the analytical laboratory. Forty-three strontium-90 results, 44 uranium-234 results, 43 uranium-235 results, and 44 uranium-238 results remain for evaluation at Consolidated Unit 21-006(e)-99.

Forty-three cesium-134 results, nine cesium-137 results, one cobalt-60 result, and one europium-152 result from SWMU 26-001 were rejected because spectral interference prevented positive identification of the analytes. All the results were initially qualified as nondetects by the analytical laboratory. Fifty-two cesium-134 results, 86 cesium-137 results, 94 cobalt-60 results, and 94 europium-152 results remain for evaluation at SWMU 26-001.

D-6.0 REFERENCES

The following list includes all documents cited in this appendix. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy–Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

EPA (U.S. Environmental Protection Agency), February 1994. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," EPA-540/R-94/013, Office of Emergency and Remedial Response, Washington, D.C. (EPA 1994, 048639)

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Table D-1.0-1
Analytical Methods for Inorganic Chemical, Organic Chemical, and Radionuclide Analyses

Analytical Method	Analytical Description	Analytical Suite
Inorganic Methods		
EPA SW-846:6010B	Inductively coupled plasma emission spectroscopy (ICPES)—atomic emission spectroscopy	Aluminum, antimony, arsenic, barium, beryllium, boron, calcium, cadmium, cobalt, chromium, copper, iron, lead, lithium, magnesium, manganese, mercury, nickel, potassium, selenium, silicon, sodium, silver, thallium, titanium, uranium, vanadium, and zinc (TAL metals)
EPA SW-846:6020	Inductively coupled plasma mass spectroscopy (ICPMS)	TAL metals
EPA SW-846:7471A	Cold-vapor method	Mercury
SW-846:6850	High-performance liquid chromatography/mass spectrometry (HPLC/MS)	Perchlorate
EPA:300.0	Ion chromatography (IC)	Anion (nitrate)
EPA:314.0	IC	Anion (nitrate)
SW-846:7196A	Colorimetric method	Chromium hexavalent ion
SW-846:7197	Chelation/extraction	Chromium hexavalent ion
SW-846:9012A	Colorimetric method	Cyanide (total)
SW-846:9045C	Electrometric method	pH
Organic Methods		
EPA SW-846:8321A_MOD	HPLC	HEXP
EPA SW-846:8270C	Gas chromatography/mass spectrometry (GC/MS)	SVOCs
SW-846:8270	GC/MS	SVOCs
EPA SW-846:8260B - Analysis	GC/MS	VOCs
SW-846:8260A	GC/MS	VOCs
SW-846:8260	GC/MS	VOCs
EPA SW-846:8015M_EXTRACTABLE	GC/flame ionization detector (FID)	TPH-DRO
SW-846:8290	High-resolution gas chromatography/high-resolution mass spectrometry	Dioxins, furans
SW-846:8082	GC	PCBs
SW-846:8080	GC	PESTPCB

Table D-1.0-1 (continued)

Analytical Method	Analytical Description	Analytical Suite
SW-846:8081A	GC	PEST
EPA:418.1	Spectrophotometric, infrared	Petroleum hydrocarbons, total recoverable (TPH)
Radionuclide Methods		
HASL-300:AM-241	Alpha spectroscopy	AM_241
Generic:Gamma Spec	Gamma spectroscopy	Americium-241, cesium-134, cesium-137, cobalt-60, europium-152, sodium-22, ruthenium-106, uranium-235
EPA:901.1	Gamma-ray spectroscopy	Americium-241, cesium-134, cesium-137, cobalt-60, europium-152, sodium-22, ruthenium-106, uranium-235
EPA:906.0	Liquid scintillation	Tritium
HASL-300:ISOPU	Gas flow proportional counting	Plutonium-238/239/240
HASL-300:ISOU	Gas flow proportional counting	Uranium-234/235/238
EPA:905.0	Gas flow proportional counting	Strontium-90
HASL-300:TC99	Liquid scintillation counting	Technetium-99

Table D-2.0-1
Data Validation Results and Associated Reasons

Number of Records and Analyte(s)	Qualifier Assigned
TA-02 INORGANIC	
Continuing Calibrations	
Results for the affected analytes are considered estimated and biased high (J+: detected analytes only) because the associated initial calibration verification or continuing calibration verification was recovered above the upper warning limit but is less than or equal to the upper acceptable level (UAL).	
2 Beryllium 4 Nitrate	J+
Results for the affected analytes are considered estimated and biased low (J-; UJ for undetected analytes) because the associated initial calibration verification or continuing calibration verification was recovered below the lower warning limit but is greater than the lower acceptable level (LAL).	
11 Perchlorate	J-
63 Perchlorate	UJ
Detection Limits	
Results for the affected analytes are considered estimated (J) because the results were between the estimated quantization limit and the method detection limit.	
18 Arsenic 1 Barium 48 Beryllium 49 Cadmium 1 Chromium 10 Chromium hexavalent ion 13 Cobalt 5 Copper 28 Mercury 8 Nickel 1 Perchlorate 39 Selenium 81 Silver 17 Sodium 64 Thallium 2 Vanadium	J
Results for the affected analytes were qualified J, estimated detect, by the analytical laboratory because the associated sample concentrations were between the method detection limit and the estimated quantitation limit (EQL).	
2 Antimony 350 Arsenic 199 Cadmium 92 Chromium hexavalent ion 119 Cobalt 25 Copper 208 Cyanide (total) 208 Mercury 35 Nitrate 174 Perchlorate 403 Selenium 733 Silver 649 Thallium	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
Holding Times	
Results for the affected analytes are considered estimated with a potential low bias (J-; UJ for undetected analytes) because the samples were analyzed after the appropriate hold time had passed.	
14 Nitrate	J-
1 Cyanide (total) 13 Nitrate	UJ
Interference Check Samples and/or Serial Dilutions	
Results of the affected analytes are considered estimated (J; UJ for undetected analytes) because the serial dilution sample RPD was greater than 10%, and the sample result was greater than 50 times the method detection limit (greater than100 times the method detection limit for ICPMS).	
3 Aluminum 1 Barium 2 Calcium 2 Chromium 6 Iron 1 Magnesium 1 Manganese 10 Potassium 3 Vanadium 3 Zinc	J
Results for the affected analytes are considered estimated and biased high (J+: detected analytes only) because the associated interference-check sample was recovered above the UAL.	
23 Perchlorate	J+
LCS Recoveries	
Results for the affected analytes are considered estimated and biased high (J+: detected analytes only) because the associated LCS was recovered above the upper warning limit.	
3 Cyanide (total) 45 Iron 1 Perchlorate 4 Uranium	J+
Results for the affected analytes are considered estimated and biased low (J-; UJ for undetected analytes) because the associated laboratory control sample was recovered below the lower warning limit but greater than or equal to the LAL.	
24 Aluminum 3 Antimony 29 Iron 1 Perchlorate 10 Potassium	J-
3 Antimony 2 Perchlorate	UJ
Laboratory Duplicates	
Results for the affected analytes are considered estimated (J/UJ) because the duplicate sample was analyzed on a non-Laboratory sample.	
1 Thallium	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
Results for the affected analytes are considered estimated (J; UJ for undetected analytes) because both the sample and duplicate sample results were greater than or equal to 5 times the reporting limit, and the duplicate RPD was greater than 20% for water samples and greater than 35% for soil samples.	
35 Aluminum 56 Barium 47 Beryllium 136 Calcium 119 Chromium 23 Cobalt 67 Copper 88 Iron 111 Lead 114 Magnesium 125 Manganese 66 Mercury 92 Nickel 11 Nitrate 22 Potassium 19 Selenium 13 Sodium 19 Thallium 111 Vanadium 53 Zinc	J
8 Mercury 4 Nitrate 2 Selenium 3 Thallium	UJ
Results for the affected analytes are considered estimated (J; UJ for undetected analytes) because either the sample or duplicate sample results or both were greater than or equal to 5 times the reporting limit, and the difference between the samples is greater than the reporting limit for water samples or greater than 2 times the reporting limit for soil samples.	
16 Cobalt 33 Copper 19 Nickel 24 Vanadium	J
1 Cyanide (total)	UJ
MSs	
Results of the affected analytes are considered estimated (J) because there was insufficient sample volume for an MS to be analyzed on a Laboratory sample.	
5 Beryllium 1 Nickel	J
Results for the affected analytes are considered estimated and biased high (J+; UJ for undetected analytes) because the analyte was recovered above 150% in the associated spike sample.	
139 Aluminum 40 Barium 6 Cadmium 150 Calcium 8 Lead 305 Magnesium	J+

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
153 Manganese 11 Mercury 6 Nickel 144 Potassium 6 Sodium 27 Zinc	J+
5 Antimony 2 Cadmium	UJ
Results for the affected analytes are considered estimated and biased high (J+: detected analytes only) because the analyte was recovered above the UAL but less than 150% of the associated spike sample.	
8 Arsenic 156 Barium 8 Beryllium 28 Cadmium 83 Calcium 30 Chromium 8 Cobalt 8 Copper 33 Lead 285 Magnesium 24 Manganese 9 Mercury 30 Nickel 10 Nitrate 283 Potassium 12 Silver 14 Sodium 45 Thallium 24 Vanadium 47 Zinc	J+
Results for the affected analytes are considered estimated and biased low (J-; UJ for undetected analytes) because the analyte was recovered below the LAL but greater than 30% in the associated spike sample.	
35 Antimony 16 Arsenic 47 Barium 17 Beryllium 11 Cadmium 63 Calcium 25 Chromium hexavalent ion 4 Cobalt 2 Copper 1 Cyanide (total) 49 Magnesium 46 Manganese 67 Mercury 31 Nickel 133 Nitrate 14 Perchlorate 6 Selenium 4 Silver	J-

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
4 Sodium 3 Thallium 3 Vanadium 10 Zinc	J-
847 Antimony 7 Cadmium 26 Chromium hexavalent ion 5 Cyanide (total) 32 Mercury 132 Nitrate 18 Perchlorate 10 Selenium 10 Silver 13 Thallium	UJ
Miscellaneous Quality Deficiencies	
The validator identified quality deficiencies in the reported data that require qualification. See the Data Validation Cover Sheet for specific details. Apply the appropriate qualifier to identify the effect of the quality deficiency on the reported data.	
2 Chromium hexavalent ion	J
14 Chromium hexavalent ion	UJ
TA-02 ORGANIC	
Continuing Calibrations	
The results/reporting limits for the affected analytes are considered estimated (J)/estimated (UJ) because the associated percent relative standard deviation or percent difference exceeded criteria in the initial or continuing calibration standards.	
1 Aroclor-1242 3 Aroclor-1254 16 Aroclor-1260	J
8 Aroclor-1016 8 Aroclor-1221 8 Aroclor-1232 7 Aroclor-1242 8 Aroclor-1248 7 Aroclor-1254 12 Aroclor-1260	UJ
The results/reporting limits for the affected analytes are considered estimated (J)/(UJ) because the associated internal standard area counts show less than 50% recovery or greater than 200% recovery when compared with the area counts in the applicable continuing calibration standard.	
2 Benzo(a)anthracene 2 Benzo(a)pyrene 2 Benzo(b)fluoranthene 2 Benzo(g,h,i)perylene 2 Benzo(k)fluoranthene 2 Chrysene 3 Fluoranthene 2 Indeno(1,2,3-cd)pyrene 2 Phenanthrene 3 Pyrene	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
The results/reporting limits for the affected analytes are considered estimated (J)/(UJ) because the associated internal standard area counts are less than 50% but greater than 10% recovery when compared to the area counts in the applicable continuing calibration standard.	
15 Benzo(a)anthracene 67 Benzo(a)pyrene 86 Benzo(b)fluoranthene 37 Benzo(g,h,i)perylene 14 Benzo(k)fluoranthene 1 Bis(2-ethylhexyl)phthalate 20 Chrysene 2 Dibenz(a,h)anthracene 39 Indeno(1,2,3-cd)pyrene 1 Methylnaphthalene[2-] 1 Naphthalene 27 Pyrene	J
4 Acenaphthene 4 Acenaphthylene 5 Aniline 3 Anthracene 3 Azobenzene 22 Benzo(a)anthracene 82 Benzo(a)pyrene 68 Benzo(b)fluoranthene 103 Benzo(g,h,i)perylene 140 Benzo(k)fluoranthene 13 Benzoic Acid 5 Benzyl Alcohol 13 Bis(2-chloroethoxy)methane 5 Bis(2-chloroethyl)ether 27 Bis(2-ethylhexyl)phthalate 3 Bromophenyl-phenylether[4-] 38 Butylbenzylphthalate 12 Chloro-3-methylphenol[4-] 13 Chloroaniline[4-] 4 Chloronaphthalene[2-] 5 Chlorophenol[2-] 4 Chlorophenyl-phenyl[4-] Ether 18 Chrysene 153 Dibenz(a,h)anthracene 4 Dibenzofuran 5 Dichlorobenzene[1,2-] 5 Dichlorobenzene[1,3-] 5 Dichlorobenzene[1,4-] 38 Dichlorobenzidine[3,3'-] 13 Dichlorophenol[2,4-] 4 Diethylphthalate 4 Dimethyl Phthalate 13 Dimethylphenol[2,4-] 4 Di-n-butylphthalate 3 Dinitro-2-methylphenol[4,6-] 4 Dinitrotoluene[2,4-] 4 Dinitrotoluene[2,6-] 145 Di-n-octylphthalate 3 Diphenylamine	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
3 Fluoranthene 4 Fluorene 3 Hexachlorobenzene 13 Hexachlorobutadiene 4 Hexachlorocyclopentadiene 5 Hexachloroethane 110 Indeno(1,2,3-cd)pyrene 13 Isophorone 12 Methylnaphthalene[2-] 5 Methylphenol[2-] 5 Methylphenol[4-] 12 Naphthalene 4 Nitroaniline[2-] 4 Nitroaniline[3-] 4 Nitroaniline[4-] 13 Nitrobenzene 13 Nitrophenol[2-] 4 Nitrophenol[4-] 5 Nitrosodimethylamine[N-] 5 Nitroso-di-n-propylamine[N-] 5 Oxybis(1-chloropropane)[2,2'-] 3 Pentachlorophenol 3 Phenanthrene 5 Phenol 11 Pyrene 5 Pyridine 13 Trichlorobenzene[1,2,4-] 4 Trichlorophenol[2,4,5-] 4 Trichlorophenol[2,4,6-]	UJ
The results/reporting limits for affected analytes are considered estimated (J)/(UJ) because the associated internal standard area counts show greater than 200% recovery when compared with the area counts in the applicable continuing calibration standard. The validator qualifies only those analytes quantitated using the internal standard with greater than 200% recovery.	
3 Benzo(a)pyrene 3 Benzo(b)fluoranthene 1 Benzo(g,h,i)perylene	J
1 Acenaphthene 1 Acenaphthylene 1 Benzoic Acid 1 Benzyl Alcohol 1 Bis(2-chloroethoxy)methane 1 Bis(2-chloroethyl)ether 1 Chloro-3-methylphenol[4-] 1 Chloroaniline[4-] 1 Chloronaphthalene[2-] 1 Chlorophenol[2-] 1 Chlorophenyl-phenyl[4-] Ether 1 Dibenzofuran 1 Dichlorobenzene[1,2-] 1 Dichlorobenzene[1,3-] 1 Dichlorobenzene[1,4-] 1 Dichlorophenol[2,4-] 1 Diethylphthalate	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
1 Dimethylphthalate 1 Dimethylphenol[2,4-] 1 Dinitrophenol[2,4-] 1 Dinitrotoluene[2,4-] 1 Dinitrotoluene[2,6-] 1 Fluorene 1 Hexachlorobutadiene 1 Hexachlorocyclopentadiene 1 Hexachloroethane 1 Isophorone 1 Methylnaphthalene[2-] 1 Methylphenol[2-] 1 Methylphenol[4-] 1 Naphthalene 1 Nitroaniline[2-] 1 Nitroaniline[3-] 1 Nitroaniline[4-] 1 Nitrobenzene 1 Nitrophenol[2-] 1 Nitroso-di-n-propylamine[N-] 1 Oxybis(1-chloropropane)[2,2'-] 1 Phenol 1 Trichlorobenzene[1,2,4-] 1 Trichlorophenol[2,4,5-] 1 Trichlorophenol[2,4,6-]	UJ
The results/reporting limits for the affected analytes are considered estimated (J)/estimated (UJ) because the associated percent relative standard deviation/percent difference exceeded the criteria in the initial or continuing calibration standards.	
20 Benzo(g,h,i)perylene 1 Bis(2-ethylhexyl)phthalate 4 Indeno(1,2,3-cd)pyrene 1 Methylnaphthalene[2-] 1 Pentachlorophenol 1 Phenanthrene	J
7 Acenaphthene 7 Azobenzene 1 Benzidine 89 Benzo(g,h,i)perylene 3 Benzo(k)fluoranthene 285 Benzoic Acid 65 Benzyl Alcohol 99 Bis(2-chloroethoxy)methane 15 Bis(2-chloroethyl)ether 195 Bis(2-ethylhexyl)phthalate 24 Butylbenzylphthalate 7 Carbazole 134 Chloroaniline[4-] 13 Chloronaphthalene[2-] 40 Dibenz(a,h)anthracene 1 Dibenzofuran 10 Dichlorobenzidine[3,3'-] 11 Dimethylphenol[2,4-] 9 Di-n-butylphthalate	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
234 Dinitro-2-methylphenol[4,6-] 369 Dinitrophenol[2,4-] 3 Dinitrotoluene[2,4-] 73 Di-n-octylphthalate 302 Hexachlorocyclopentadiene 32 Indeno(1,2,3-cd)pyrene 8 Isophorone 3 Methylnaphthalene[2-] 16 Naphthalene 399 Nitroaniline[3-] 519 Nitroaniline[4-] 36 Nitrophenol[4-] 34 Nitrosodimethylamine[N-] 11 Nitroso-di-n-propylamine[N-] 218 Oxybis(1-chloropropane)[2,2'-] 179 Pentachlorophenol 7 Phenanthrene 3 Pyrene 141 Pyridine	UJ
Results/reporting limits for affected analytes are considered estimated (J)/(UJ) because the associated internal standard area counts are less than 50% but greater than 10% of the previous continuing calibration standard.	
2 Bromobenzene 2 Bromoform 2 Butylbenzene[n-] 2 Butylbenzene[sec-] 2 Butylbenzene[tert-] 2 Chlorotoluene[2-] 2 Chlorotoluene[4-] 2 Dibromo-3-Chloropropane[1,2-] 2 Dichlorobenzene[1,2-] 2 Dichlorobenzene[1,3-] 2 Dichlorobenzene[1,4-] 2 Isopropylbenzene 2 Isopropyltoluene[4-] 2 Propylbenzene[1-] 2 Tetrachloroethane[1,1,2,2-] 2 Trichloropropane[1,2,3-] 2 Trimethylbenzene[1,2,4-] 2 Trimethylbenzene[1,3,5-]	UJ
Results for affected analytes are considered estimated (J) because the associated internal standard areas' counts are greater than 200% of the previous continuing calibration standard. The validator qualifies only analytes related to failing internal standards.	
1 Toluene	J
The results/reporting limits for affected analytes are considered estimated (J)/estimated (UJ) because the associated percent relative standard deviation/percent difference exceeded criteria in the initial or continuing calibration standards.	
7 Acetone	J
310 Acetone 11 Bromodichloromethane 28 Bromoform	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
10 Bromomethane 111 Butanone[2-] 126 Carbon Tetrachloride 22 Chlorodibromomethane 10 Chloroethane 141 Chloromethane 66 Dibromo-3-Chloropropane[1,2-] 173 Dichlorodifluoromethane 55 Dichloroethane[1,2-] 205 Dichloropropane[2,2-] 94 Hexanone[2-] 14 Methyl-2-pentanone[4-] 9 Methylene Chloride 50 Trichloro-1,2,2-trifluoroethane[1,1,2-] 75 Trichloroethane[1,1,1-] 41 Trichlorofluoromethane	UJ
Detection Limits	
Results for the affected analytes were qualified J, estimated detect, by the analytical laboratory because the associated sample concentrations were between the method detection limit and the EQL.	
61 Acenaphthene 3 Acetone 113 Anthracene 3 Aroclor-1242 1 Aroclor-1248 75 Aroclor-1254 147 Aroclor-1260 75 Benzo(a)anthracene 49 Benzo(a)pyrene 76 Benzo(b)fluoranthene 23 Benzo(g,h,i)perylene 24 Benzo(k)fluoranthene 29 Bis(2-ethylhexyl)phthalate 1 Butylbenzene[n-] 3 Butylbenzylphthalate 26 Chloroform 103 Chrysene 17 Dibenzofuran 10 Dichlorobenzene[1,4-] 1 Diethylphthalate 62 Di-n-butylphthalate 1 Ethylbenzene 117 Fluoranthene 62 Fluorene 50 Heptachlorodibenzodioxin[1,2,3,4,6,7,8-] 54 Heptachlorodibenzofuran[1,2,3,4,6,7,8-] 53 Heptachlorodibenzofuran[1,2,3,4,7,8,9-] 33 Hexachlorodibenzodioxin[1,2,3,4,7,8-] 53 Hexachlorodibenzodioxin[1,2,3,6,7,8-] 34 Hexachlorodibenzodioxin[1,2,3,7,8,9-] 68 Hexachlorodibenzofuran[1,2,3,4,7,8-] 47 Hexachlorodibenzofuran[1,2,3,6,7,8-] 34 Hexachlorodibenzofuran[1,2,3,7,8,9-]	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
54 Hexachlorodibenzofuran[2,3,4,6,7,8-] 27 Indeno(1,2,3-cd)pyrene 8 Isopropylbenzene 9 Isopropyltoluene[4-] 35 Methylene Chloride 59 Methylnaphthalene[2-] 51 Naphthalene 1 Nitrosodimethylamine[N-] 29 Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] 54 Octachlorodibenzofuran[1,2,3,4,6,7,8,9-] 35 Pentachlorodibenzodioxin[1,2,3,7,8-] 43 Pentachlorodibenzofuran[1,2,3,7,8-] 49 Pentachlorodibenzofuran[2,3,4,7,8-] 1 Pentachlorophenol 114 Phenanthrene 3 Phenol 100 Pyrene 2 Styrene 12 Tetrachlorodibenzodioxin[2,3,7,8-] 1 Tetrachloroethene 66 Toluene 58 TPH-DRO 6 Trichloroethene 4 Trimethylbenzene[1,2,4-] 4 Trimethylbenzene[1,3,5-] 5 Xylene[1,2-] 6 Xylene[1,3-]+Xylene[1,4-]	J
Holding Times	
The results/reporting limits for affected analytes are considered estimated and biased low (J-)/estimated (UJ) because the extraction holding time was exceeded.	
9 Aroclor-1254 12 Aroclor-1260	J-
14 Aroclor-1016 14 Aroclor-1221 14 Aroclor-1232 14 Aroclor-1242 14 Aroclor-1248 5 Aroclor-1254 2 Aroclor-1260	UJ
Results/reporting limits for affected analytes are considered estimated and biased low (J-)/estimated (UJ) because the extraction holding time was exceeded by less than 2 times the published method for holding time.	
1 Anthracene 1 Benzo(a)anthracene 1 Benzo(a)pyrene 2 Benzo(b)fluoranthene 1 Chrysene 2 Fluoranthene 1 Phenanthrene 2 Pyrene	J-
14 Acenaphthene 14 Acenaphthylene	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
14 Aniline	UJ
13 Anthracene	
14 Azobenzene	
13 Benzo(a)anthracene	
13 Benzo(a)pyrene	
12 Benzo(b)fluoranthene	
14 Benzo(g,h,i)perylene	
14 Benzo(k)fluoranthene	
14 Benzoic Acid	
14 Benzyl Alcohol	
14 Bis(2-chloroethoxy)methane	
14 Bis(2-chloroethyl)ether	
14 Bis(2-ethylhexyl)phthalate	
14 Bromophenyl-phenylether[4-]	
14 Butylbenzylphthalate	
14 Chloro-3-methylphenol[4-]	
14 Chloroaniline[4-]	
14 Chloronaphthalene[2-]	
14 Chlorophenol[2-]	
14 Chlorophenyl-phenyl[4-] Ether	
13 Chrysene	
14 Dibenz(a,h)anthracene	
14 Dibenzofuran	
14 Dichlorobenzene[1,2-]	
14 Dichlorobenzene[1,3-]	
5 Dichlorobenzene[1,4-]	
14 Dichlorobenzidine[3,3'-]	
14 Dichlorophenol[2,4-]	
14 Diethylphthalate	
14 Dimethyl Phthalate	
14 Dimethylphenol[2,4-]	
14 Di-n-butylphthalate	
14 Dinitro-2-methylphenol[4,6-]	
14 Dinitrophenol[2,4-]	
14 Dinitrotoluene[2,4-]	
14 Dinitrotoluene[2,6-]	
14 Di-n-octylphthalate	
14 Diphenylamine	
12 Fluoranthene	
14 Fluorene	
14 Hexachlorobenzene	
14 Hexachlorobutadiene	
14 Hexachlorocyclopentadiene	
14 Hexachloroethane	
14 Indeno(1,2,3-cd)pyrene	
14 Isophorone	
14 Methylnaphthalene[2-]	
14 Methylphenol[2-]	
14 Methylphenol[4-]	
14 Naphthalene	
14 Nitroaniline[2-]	
14 Nitroaniline[3-]	
14 Nitroaniline[4-]	
14 Nitrobenzene	

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
14 Nitrophenol[2-] 14 Nitrophenol[4-] 14 Nitrosodimethylamine[N-] 14 Nitroso-di-n-propylamine[N-] 14 Oxybis(1-chloropropane)[2,2'-] 14 Pentachlorophenol 13 Phenanthrene 14 Phenol 12 Pyrene 14 Pyridine 14 Trichlorobenzene[1,2,4-] 14 Trichlorophenol[2,4,5-] 14 Trichlorophenol[2,4,6-]	UJ
LCS Recoveries	
Results for the affected analytes are considered estimated and biased low (J-) because the associated LCS percent recovery was less than 70% recovery but greater than or equal to 10% recovery.	
2 Aroclor-1248 3 Aroclor-1254 5 Aroclor-1260	J-
The reporting limits for affected analyte are considered estimated (UJ) because the associated LCS percent recovery was less than 70% recovery but greater than or equal to 10% recovery.	
11 Aroclor-1016 11 Aroclor-1221 11 Aroclor-1232 11 Aroclor-1242 9 Aroclor-1248 8 Aroclor-1254 6 Aroclor-1260	UJ
Results for the affected analytes are considered estimated and biased low (J-) because the associated LCS recovery was less than LAL but greater than 10% recovery.	
1 Acenaphthene	J-
The reporting limits for the affected analytes are considered estimated (UJ) because the associated LCS recovery was less than LAL but greater than 10% recovery.	
14 Acenaphthene 20 Benzyl Alcohol 15 Chlorophenol[2-] 6 Dichlorobenzene[1,2-] 19 Dichlorophenol[2,4-] 25 Dimethyl Phthalate 15 Methylphenol[2-] 15 Methylphenol[4-] 15 Nitroso-di-n-propylamine[N-] 4 Trichlorobenzene[1,2,4-] 15 Trichlorophenol[2,4,5-] 15 Trichlorophenol[2,4,6-]	UJ
Reporting limits for affected analyte are considered estimated (UJ) because the associated LCS recovery was less than the LAL but greater than 10%.	
24 Butanone[2-] 10 Butylbenzene[n-]	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
17 Chloromethane 5 Dichlorobenzene[1,4-] 16 Dichlorodifluoromethane 32 Hexanone[2-] 19 Trimethylbenzene[1,2,4-] 28 Trimethylbenzene[1,3,5-] 29 Vinyl Chloride	UJ
Method or Preparation Blanks	
Results for the affected analytes are considered estimated (J) because the associated sample concentration was greater than 5 times the amount in the method blank.	
1 Aroclor-1248 1 Aroclor-1254	J
Results for affected analytes are considered estimated (J) because the associated sample concentration was greater than 5 times/10 times the amount in the method blank.	
19 Heptachlorodibenzofuran[1,2,3,4,6,7,8-] 19 Heptachlorodibenzofurans (total) 16 Hexachlorodibenzofurans (total) 2 Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] 8 Octachlorodibenzofuran[1,2,3,4,6,7,8,9-] 16 Pentachlorodibenzofurans (total)	J
Miscellaneous Quality Deficiencies	
The validator identified quality deficiencies in the reported data that require qualification. See the Data Validation Cover Sheet for specific details.	
43 Tetrachlorodibenzofuran[2,3,7,8-]	J
Surrogate Recoveries	
Results for the affected analytes are considered estimated and biased high (J+) because the associated surrogate was recovered above the UAL.	
4 Aroclor-1254 6 Aroclor-1260	J+
Results for the affected analytes are considered estimated and biased low (J-) because the associated surrogate was recovered below the LAL but greater than or equal to 10% recovery.	
2 Aroclor-1242 1 Aroclor-1248 7 Aroclor-1254 8 Aroclor-1260	J-
The reporting limits for the affected analytes are considered estimated (UJ) because the associated surrogate was recovered below the LAL but greater than or equal to 10% recovery.	
18 Aroclor-1016 18 Aroclor-1221 18 Aroclor-1232 18 Aroclor-1242 17 Aroclor-1248 11 Aroclor-1254 7 Aroclor-1260	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
Results for the affected analytes are considered estimated and biased low (J-) because at least two sample surrogate recoveries in the same fraction were less than the LAL but greater than 10% recovery.	
1 Acenaphthene 2 Anthracene 2 Benzo(a)anthracene 1 Benzo(a)pyrene 1 Benzo(b)fluoranthene 1 Bis(2-ethylhexyl)phthalate 2 Chrysene 1 Dibenzofuran 3 Fluoranthene 1 Fluorene 1 Hexachlorodibenzofuran[1,2,3,4,7,8-] 1 Methylnaphthalene[2-] 1 Naphthalene 1 Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] 1 Pentachlorodibenzodioxin[1,2,3,7,8-] 3 Phenanthrene 2 Pyrene	J-
Results for the affected analytes are considered estimated and biased low (J-) because at least one sample surrogate recovery was less than 10% recovery.	
1 Bis(2-ethylhexyl)phthalate	J-
The reporting limits for affected analytes are considered estimated (UJ) because at least two sample surrogate recoveries in the same fraction were less than the LAL but greater than 10% recovery.	
5 Acenaphthene 6 Acenaphthylene 5 Aniline 4 Anthracene 5 Azobenzene 3 Benzo(a)anthracene 3 Benzo(a)pyrene 3 Benzo(b)fluoranthene 4 Benzo(g,h,i)perylene 4 Benzo(k)fluoranthene 2 Benzoic Acid 6 Benzyl Alcohol 5 Bis(2-chloroethoxy)methane 6 Bis(2-chloroethyl)ether 2 Bis(2-ethylhexyl)phthalate 6 Bromophenyl-phenylether[4-] 5 Butylbenzylphthalate 5 Chloro-3-methylphenol[4-] 6 Chloroaniline[4-] 6 Chloronaphthalene[2-] 5 Chlorophenol[2-] 6 Chlorophenyl-phenyl[4-] Ether 3 Chrysene 4 Dibenz(a,h)anthracene 5 Dibenzofuran 6 Dichlorobenzene[1,2-]	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
6 Dichlorobenzene[1,3-] 4 Dichlorobenzene[1,4-] 5 Dichlorobenzidine[3,3'-] 5 Dichlorophenol[2,4-] 6 Diethylphthalate 6 Dimethyl Phthalate 5 Dimethylphenol[2,4-] 6 Di-n-butylphthalate 5 Dinitro-2-methylphenol[4,6-] 3 Dinitrophenol[2,4-] 6 Dinitrotoluene[2,4-] 6 Dinitrotoluene[2,6-] 4 Di-n-octylphthalate 5 Diphenylamine 3 Fluoranthene 5 Fluorene 6 Hexachlorobenzene 6 Hexachlorobutadiene 6 Hexachlorocyclopentadiene 6 Hexachloroethane 4 Indeno(1,2,3-cd)pyrene 5 Isophorone 5 Methylnaphthalene[2-] 5 Methylphenol[2-] 5 Methylphenol[4-] 5 Naphthalene 6 Nitroaniline[2-] 6 Nitroaniline[3-] 3 Nitroaniline[4-] 6 Nitrobenzene 5 Nitrophenol[2-] 5 Nitrophenol[4-] 5 Nitrosodimethylamine[N-] 6 Nitroso-di-n-propylamine[N-] 1 Nitrosodiphenylamine[N-] 5 Oxybis(1-chloropropane)[2,2'-] 5 Pentachlorophenol 3 Phenanthrene 5 Phenol 3 Pyrene 5 Pyridine 6 Trichlorobenzene[1,2,4-] 5 Trichlorophenol[2,4,5-] 5 Trichlorophenol[2,4,6-]	UJ
Results for the affected analytes are considered estimated with a potential positive bias (J+) because the sample surrogate recovery was greater than the UAL.	
1 Isopropylbenzene 10 Toluene	J+

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
TA-02 RAD	
LCS Recoveries	
Results for the affected analytes are considered estimated and biased high (J+) because the associated analyte in the LCS was recovered above the UAL.	
1 Americium-241 8 Cesium-137 4 Plutonium-239/240 1 Strontium-90	J+
Results/reporting limits for the affected analytes should be regarded a rejected (R) because the associated LCS failed less than 10%.	
10 Strontium-90 51 Uranium-235	J-
Results for the affected analytes are considered estimated and biased low (J-) because the associated LCS failed low but greater than 10%.	
34 Plutonium-239/240 1 Strontium-90 8 Tritium 13 Uranium-234 26 Uranium-235 13 Uranium-238	J-
The reporting limits for the affected analytes are considered estimated (UJ) because the associated LCS failed low but was greater than 10%.	
142 Plutonium-238 108 Plutonium-239/240 7 Strontium-90 10 Tritium 2 Uranium-235	UJ
MSs	
Results for the affected analytes are considered estimated and biased high (J+) because the associated MS recovery was above the UAL.	
6 Tritium	J+
Results for the affected analytes are considered estimated and biased low (J-) because the associated MS recovery was less than the LAL but greater than 10%.	
6 Strontium-90	J-
The reporting limits for the affected analytes are considered estimated (UJ) because the associated MS recovery was less than the LAL but greater than 10%.	
6 Strontium-90	UJ
Tracer Recoveries	
Results for the affected analytes are qualified as estimated and biased low (J-) because the associated tracer recovery was less than 30% but greater than 10%.	
3 Plutonium-239/240	J-
The reporting limits for the affected analytes are qualified as estimated (UJ) because the associated tracer recovery was less than 30% but greater than 10%.	
2 Plutonium-238 2 Plutonium-239/240	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
TA-21 INORGANIC	
Detection Limits	
Results for the affected analytes are considered estimated (J) because the results were between the EQL and the method detection limit.	
6 Arsenic 18 Mercury 6 Selenium 93 Silver 13 Thallium	J
Results for the affected analytes were qualified J, estimated detect, by the analytical laboratory because the associated sample concentrations were between the method detection limit and the estimated quantitation limit.	
2 Cyanide (total) 9 Nitrate 10 Perchlorate	J
Holding Times	
Results for the affected analytes are considered estimated with a potential low bias (J-; UJ for undetected analytes) because the samples were analyzed after the appropriate hold time had passed.	
12 Cyanide (total)	UJ
Interference Check Samples and/or Serial Dilutions	
Results of the affected analytes are considered estimated (J; UJ for undetected analytes) because the serial dilution sample relative percent difference was greater than 10%, and the sample result was greater than 50 times the method detection limit (greater than100 times the method detection limit for ICPMS).	
2 Aluminum 1 Calcium 1 Chromium 1 Cobalt 2 Iron 2 Magnesium 2 Manganese 1 Potassium	J
Laboratory Duplicates	
Results for the affected analytes are considered estimated (J; UJ for undetected analytes) because both the sample and duplicate sample results were greater than or equal to 5 times the reporting limit and the duplicate RPD was greater than 20% for water samples and greater than 35% for soil samples.	
3 Barium 12 Calcium 12 Iron 3 Lead 12 Potassium	J
Results for the affected analytes are considered estimated (J; UJ for undetected analytes) because either the sample or duplicate sample results or both were greater than or equal to 5 times the reporting limit, and the difference between the samples is greater than the reporting limit for water samples or greater than 2 times the reporting limit for soil samples.	
15 Cobalt 11 Mercury	J
1 Mercury	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
MSs	
Results for the affected analytes are considered estimated and biased high (J+; UJ for undetected analytes) because the analyte was recovered above 150% in the associated spike sample.	
9 Calcium 10 Vanadium	J+
Results for the affected analytes are considered estimated and biased low (J-; UJ for undetected analytes) because the analyte was recovered below the LAL but greater than 30% in the associated spike sample.	
72 Antimony 12 Barium 12 Calcium 24 Chromium 2 Copper 2 Lead 3 Nickel 2 Selenium 12 Sodium 12 Vanadium 6 Zinc	J-
34 Selenium	UJ
Miscellaneous Quality Deficiencies	
The validator identified quality deficiencies in the reported data that require qualification. See the Data Validation Cover Sheet for specific details. Apply the appropriate qualifier to identify the effect of the quality deficiency on the reported data.	
6 Perchlorate	UJ
TA-21 ORGANIC	
Continuing Calibrations	
The results/reporting limits for the affected analytes are considered estimated (J)/estimated (UJ) because the associated percent relative standard deviation/percent difference exceeded the criteria in the initial or continuing calibration standards.	
3 Chrysene	J
3 Hexachlorocyclopentadiene 2 PETN 2 Tetryl	UJ
Results/reporting limits for affected analytes are considered estimated (J)/(UJ) because the associated internal standard area counts are less than 50% but greater than 10% of the previous continuing calibration standard.	
1 Butylbenzene[n-] 1 Isopropyltoluene[4-] 3 Trimethylbenzene[1,2,4-] 1 Trimethylbenzene[1,3,5-]	J
1 Acetone 1 Benzene 8 Bromobenzene 1 Bromochloromethane 1 Bromodichloromethane 4 Bromoform 1 Bromomethane	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
1 Butanone[2-]	UJ
7 Butylbenzene[n-]	
8 Butylbenzene[sec-]	
8 Butylbenzene[tert-]	
1 Carbon Disulfide	
1 Carbon Tetrachloride	
1 Chlorobenzene	
1 Chlorodibromomethane	
1 Chloroethane	
1 Chloroform	
1 Chloromethane	
2 Chlorotoluene[2-]	
2 Chlorotoluene[4-]	
5 Dibromo-3-Chloropropane[1,2-]	
1 Dibromoethane[1,2-]	
1 Dibromomethane	
8 Dichlorobenzene[1,2-]	
8 Dichlorobenzene[1,3-]	
8 Dichlorobenzene[1,4-]	
1 Dichlorodifluoromethane	
1 Dichloroethane[1,1-]	
1 Dichloroethane[1,2-]	
1 Dichloroethene[1,1-]	
1 Dichloroethene[cis/trans-1,2-]	
1 Dichloropropane[1,2-]	
1 Dichloropropane[1,3-]	
1 Dichloropropane[2,2-]	
1 Dichloropropene[1,1-]	
1 Dichloropropene[cis-1,3-]	
1 Dichloropropene[trans-1,3-]	
1 Ethylbenzene	
1 Hexanone[2-]	
1 Iodomethane	
7 Isopropyltoluene[4-]	
1 Methyl tert-Butyl Ether	
1 Methyl-2-pentanone[4-]	
1 Methylene Chloride	
8 Propylbenzene[1-]	
1 Styrene	
1 Tetrachloroethane[1,1,1,2-]	
7 Tetrachloroethane[1,1,2,2-]	
1 Tetrachloroethene	
1 Toluene	
1 Trichloro-1,2,2-trifluoroethane[1,1,2-]	
1 Trichloroethane[1,1,1-]	
1 Trichloroethane[1,1,2-]	
1 Trichloroethene	
1 Trichlorofluoromethane	
8 Trichloropropane[1,2,3-]	
3 Trimethylbenzene[1,2,4-]	
7 Trimethylbenzene[1,3,5-]	
1 Vinyl Chloride	
1 Xylene (total)	

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
The results/reporting limits for affected analytes are considered estimated (J)/estimated (UJ) because the associated percent relative standard deviation/percent difference exceeded criteria in the initial or continuing calibration standards.	
13 Acetone	J
19 Acetone 4 Bromoform 15 Bromomethane 4 Butanone[2-] 15 Chloroethane 6 Dichloroethane[1,2-] 22 Isopropylbenzene 7 Isopropyltoluene[4-] 3 Methylene Chloride 11 Styrene 6 Tetrachloroethene 15 Vinyl Chloride	UJ
Detection Limits	
Results for the affected analytes were qualified J, estimated detect, by the analytical laboratory because the associated sample concentrations were between the method detection limit and the estimated quantitation limit.	
5 Acetone 2 Anthracene 26 Benzo(a)anthracene 23 Benzo(a)pyrene 21 Benzo(b)fluoranthene 13 Benzo(g,h,i)perylene 22 Benzo(k)fluoranthene 1 Benzoic Acid 15 Bis(2-ethylhexyl)phthalate 1 Butylbenzylphthalate 34 Chrysene 4 Dichlorobenzene[1,2-] 3 Dichlorobenzene[1,3-] 4 Dichlorobenzene[1,4-] 1 Ethylbenzene 42 Fluoranthene 2 Heptachlorodibenzofuran[1,2,3,4,7,8,9-] 1 Hexachlorodibenzodioxin[1,2,3,6,7,8-] 1 Hexachlorodibenzodioxin[1,2,3,7,8,9-] 1 Hexachlorodibenzofuran[1,2,3,6,7,8-] 1 Hexachlorodibenzofuran[1,2,3,7,8,9-] 2 Hexachlorodibenzofuran[2,3,4,6,7,8-] 10 Indeno(1,2,3-cd)pyrene 1 Isopropyltoluene[4-] 1 Methylene Chloride 1 Octachlorodibenzofuran[1,2,3,4,6,7,8,9-] 1 Pentachlorodibenzofuran[2,3,4,7,8-] 27 Phenanthrene 38 Pyrene 1 Tetrachlorodibenzofuran[2,3,7,8-] 2 Tetrachloroethene 19 Toluene	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
8 Trimethylbenzene[1,2,4-] 2 Trimethylbenzene[1,3,5-]	J
Holding Times	
Results/reporting limits for affected analytes are considered estimated and biased low (J-)/estimated (UJ) because the extraction holding time was exceeded by less than 2 times the published method for holding time.	
2 Benzo(a)anthracene 2 Benzo(a)pyrene 2 Benzo(b)fluoranthene 2 Benzo(g,h,i)perylene 2 Benzo(k)fluoranthene 1 Bis(2-ethylhexyl)phthalate 2 Butylbenzylphthalate 2 Chrysene 2 Fluoranthene 2 Indeno(1,2,3-cd)pyrene 2 Phenanthrene 2 Pyrene	J-
2 Acenaphthene 2 Acenaphthylene 2 Aniline 2 Anthracene 2 Azobenzene 2 Benzoic Acid 2 Benzyl Alcohol 2 Bis(2-chloroethoxy)methane 2 Bis(2-chloroethyl)ether 1 Bis(2-ethylhexyl)phthalate 2 Bromophenyl-phenylether[4-] 2 Chloro-3-methylphenol[4-] 2 Chloroaniline[4-] 2 Chloronaphthalene[2-] 2 Chlorophenol[2-] 2 Chlorophenyl-phenyl[4-] Ether 2 Dibenz(a,h)anthracene 2 Dibenzofuran 1 Dichlorobenzene[1,2-] 1 Dichlorobenzene[1,3-] 2 Dichlorobenzene[1,4-] 2 Dichlorobenzidine[3,3'-] 2 Dichlorophenol[2,4-] 2 Diethylphthalate 2 Dimethyl Phthalate 2 Dimethylphenol[2,4-] 2 Di-n-butylphthalate 2 Dinitro-2-methylphenol[4,6-] 2 Dinitrophenol[2,4-] 2 Dinitrotoluene[2,4-] 2 Dinitrotoluene[2,6-] 2 Di-n-octylphthalate 2 Fluorene 2 Hexachlorobenzene 2 Hexachlorobutadiene	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
2 Hexachlorocyclopentadiene 2 Hexachloroethane 2 Isophorone 2 Methylnaphthalene[2-] 2 Methylphenol[2-] 2 Methylphenol[4-] 2 Naphthalene 2 Nitroaniline[2-] 2 Nitroaniline[3-] 2 Nitroaniline[4-] 2 Nitrobenzene 2 Nitrophenol[2-] 2 Nitrophenol[4-] 2 Nitrosodimethylamine[N-] 2 Nitroso-di-n-propylamine[N-] 2 Nitrosodiphenylamine[N-] 2 Oxybis(1-chloropropane)[2,2'-] 2 Pentachlorophenol 2 Phenol 2 Trichlorobenzene[1,2,4-] 2 Trichlorophenol[2,4,5-] 2 Trichlorophenol[2,4,6-]	UJ
The results/reporting limits for affected analytes are considered estimated with a potential negative bias (J-)/estimated (UJ) because the traction/analytical holding time was exceeded by less than 2 times the published method holding time requirement.	
2 Acetone 1 Bromobenzene 1 Dichlorobenzene[1,2-] 1 Dichlorobenzene[1,3-] 3 Ethylbenzene 1 Isopropyltoluene[4-] 3 Toluene 4 Trimethylbenzene[1,2,4-]	J-
4 Benzene 3 Bromobenzene 4 Bromochloromethane 4 Bromodichloromethane 4 Bromoform 4 Bromomethane 4 Butanone[2-] 4 Butylbenzene[n-] 4 Butylbenzene[sec-] 4 Butylbenzene[tert-] 4 Carbon Disulfide 4 Carbon Tetrachloride 4 Chlorobenzene 4 Chlorodibromomethane 4 Chloroethane 4 Chloroform 4 Chloromethane 4 Chlorotoluene[2-] 4 Chlorotoluene[4-] 4 Dibromo-3-Chloropropane[1,2-]	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
4 Dibromoethane[1,2-] 4 Dibromomethane 3 Dichlorobenzene[1,2-] 3 Dichlorobenzene[1,3-] 3 Dichlorobenzene[1,4-] 4 Dichlorodifluoromethane 4 Dichloroethane[1,1-] 4 Dichloroethane[1,2-] 4 Dichloroethene[1,1-] 4 Dichloroethene[cis/trans-1,2-] 4 Dichloropropane[1,2-] 4 Dichloropropane[1,3-] 4 Dichloropropane[2,2-] 4 Dichloropropene[1,1-] 4 Dichloropropene[cis-1,3-] 4 Dichloropropene[trans-1,3-] 1 Ethylbenzene 4 Hexanone[2-] 4 Iodomethane 4 Isopropylbenzene 3 Isopropyltoluene[4-] 4 Methyl tert-Butyl Ether 4 Methyl-2-pentanone[4-] 1 Methylene Chloride 4 Propylbenzene[1-] 4 Styrene 4 Tetrachloroethane[1,1,1,2-] 4 Tetrachloroethane[1,1,2,2-] 4 Tetrachloroethene 1 Toluene 4 Trichloro-1,2,2-trifluoroethane[1,1,2-] 4 Trichloroethane[1,1,1-] 4 Trichloroethane[1,1,2-] 4 Trichloroethene 4 Trichlorofluoromethane 4 Trichloropropane[1,2,3-] 4 Trimethylbenzene[1,3,5-] 4 Vinyl Chloride 4 Xylene (total)	UJ
LCS Recoveries	
Results for the affected analytes are considered estimated and biased high (J+) because the associated LCS recovery was greater than UAL.	
2 Chrysene	J+
Results for affected analyte are considered estimated with a potential positive bias (J+) because the associated laboratory control sample recovery was greater than the UAL.	
1 Toluene	J+
Method or Preparation Blanks	
Results for the affected analytes are considered estimated (J) because the associated sample concentration was greater than 5 times the amount in the method blank.	
1 Aroclor-1254	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
Results for affected analytes are considered estimated (J) because the associated sample concentration was greater than 5/10 times the amount in the method blank.	
1 Hexachlorodibenzofuran[1,2,3,4,7,8-] 2 Hexachlorodibenzofurans (total) 2 Pentachlorodibenzofurans (total)	J
Results for the affected analytes are considered estimated (J) because the associated sample concentration was greater than 5 times/10 times the amount in the method blank.	
1 Trimethylbenzene[1,2,4-]	J
Surrogate Recoveries	
Results for the affected analytes are considered estimated with a potential negative bias (J-) because the sample surrogate recovery was less than the LAL but greater than 10%.	
3 Acetone 1 Ethylbenzene 1 Isopropyltoluene[4-] 3 Methylene Chloride 1 Tetrachloroethene 10 Toluene 4 Trimethylbenzene[1,2,4-] 1 Xylene (total)	J-
Results for the affected analytes are considered estimated with a potential negative bias (J-) because the sample surrogate recovery was less than 10%.	
3 Methylene Chloride 5 Toluene 1 Trimethylbenzene[1,2,4-]	J-
The reporting limits for the affected analytes are considered estimated (UJ) because the sample surrogate recovery was less than the LAL but greater than or equal to 10%.	
3 Acetone 12 Benzene 9 Bromobenzene 12 Bromochloromethane 12 Bromodichloromethane 11 Bromoform 6 Bromomethane 12 Butanone[2-] 9 Butylbenzene[n-] 9 Butylbenzene[sec-] 9 Butylbenzene[tert-] 12 Carbon Disulfide 12 Carbon Tetrachloride 12 Chlorobenzene 12 Chlorodibromomethane 6 Chloroethane 12 Chloroform 12 Chloromethane 11 Chlorotoluene[2-] 11 Chlorotoluene[4-] 10 Dibromo-3-Chloropropane[1,2-] 12 Dibromoethane[1,2-] 12 Dibromomethane 9 Dichlorobenzene[1,2-]	UJ

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
9 Dichlorobenzene[1,3-] 9 Dichlorobenzene[1,4-] 12 Dichlorodifluoromethane 12 Dichloroethane[1,1-] 12 Dichloroethane[1,2-] 12 Dichloroethene[1,1-] 12 Dichloroethene[cis/trans-1,2-] 12 Dichloropropane[1,2-] 12 Dichloropropane[1,3-] 12 Dichloropropane[2,2-] 12 Dichloropropene[1,1-] 12 Dichloropropene[cis-1,3-] 12 Dichloropropene[trans-1,3-] 11 Ethylbenzene 12 Hexanone[2-] 12 Iodomethane 8 Isopropylbenzene 7 Isopropyltoluene[4-] 12 Methyl tert-Butyl Ether 12 Methyl-2-pentanone[4-] 8 Methylene Chloride 9 Propylbenzene[1-] 10 Styrene 12 Tetrachloroethane[1,1,1,2-] 10 Tetrachloroethane[1,1,2,2-] 11 Tetrachloroethene 12 Trichloro-1,2,2-trifluoroethane[1,1,2-] 12 Trichloroethane[1,1,1-] 12 Trichloroethane[1,1,2-] 12 Trichloroethene 12 Trichlorofluoromethane 9 Trichloropropane[1,2,3-] 3 Trimethylbenzene[1,2,4-] 9 Trimethylbenzene[1,3,5-] 6 Vinyl Chloride 11 Xylene (total)	UJ
TA-21 RAD	
Laboratory Duplicates	
The duplicate documentation is missing. Validation cannot determine the precision of the analysis without this information.	
1 Plutonium-239/240	J
1 Plutonium-238	UJ
Results for the affected analytes are qualified as estimated (J) because the associated duplicate sample has a duplicate error ratio of greater than 2 but less than 4.	
10 Americium-241 17 Plutonium-238 15 Plutonium-239/240	J

Table D-2.0-1 (continued)

Number of Records and Analyte(s)	Qualifier Assigned
Tracer Recoveries	
Results for the affected analytes are qualified as estimated and biased low (J-) because the associated tracer recovery was less than 30% but greater than 10%.	
11 Americium-241 8 Uranium-234 1 Uranium-235 8 Uranium-238	J-
The reporting limits for the affected analytes are qualified as estimated (UJ) because the associated tracer recovery was less than 30% but greater than 10%.	
9 Americium-241 7 Uranium-235	UJ

Appendix E

Analytical Suites and Results and Analytical Records
(on DVDs included with this document)

Appendix F

Data Review

F-1.0 OVERVIEW OF DATA

Data discussed in this appendix are the results from samples collected during the investigation of the solid waste management units (SWMUs), areas of concern (AOCs), and consolidated units in the Middle Los Alamos Canyon Aggregate Area. These samples were shipped through the Sample Management Office (SMO) to off-site contract laboratories for analyses and were accompanied by full chain-of-custody and quality documentation. The resulting data are decision-level data, used in determining nature and extent, calculating exposure point concentrations, and conducting risk screening assessments. Data collected in 2007 were combined with data collected previously, where the previous data met current data quality requirements. Complete data sets for all sites investigated are provided on the DVDs included in Appendix E of this report. Analytical data packages and sample collection logs are also provided in Appendix E.

Analytical methods used and data quality assessments, including assignment of data qualifiers, are discussed in Appendix D. All data qualifiers used are defined in Appendix A.

F-1.1 Overview of Sampling Activities

The approved investigation work plan (LANL 2006, 092571.12; NMED 2006, 095416) specified the locations and target depth intervals from which samples were collected to submit to off-site contract laboratories for analyses. Appendix B includes descriptions of the field methods used to collect, screen, document, package, and ship samples. In some cases, not all samples could be collected because of site conditions. Deviations from the approved work plan are described in Appendix B.

F-1.2 Overview of Chemicals of Potential Concern Identification

The purpose of the data review is to identify chemicals of potential concern (COPCs) for each site (SWMU, AOC, or consolidated unit) in the Middle Los Alamos Canyon Aggregate Area. Inorganic COPCs are identified by comparing site data with background values (BVs) and maximum concentrations in a background data set (LANL 1998, 059730). Organic chemicals have no BVs and are identified as COPCs based on detection status. Radionuclides are identified as COPCs based on background comparisons or detection status.

Sample media encountered in this investigation include soil (all soil horizons, designated by the media code ALLH); Quaternary alluvium (media code QAL); alluvial sediment (media code SED), and Bandelier Tuff (media codes QBO, QBT2, QBT3, and QCT). Because no BVs are available for alluvium samples, they are evaluated by comparison to soil BVs.

Background data are generally available for soil, sediment, and tuff (LANL 1998, 059730). However, some analytes (e.g., nitrate, perchlorate, and hexavalent chromium) have no available BVs in some or all media. A BV may be either a calculated value for the background data set (upper tolerance limit or the 95% upper confidence bound on the 95th quantile) or a detection limit (DL). When a BV is based on a DL, there is no corresponding background data set for that analyte/media combination.

For inorganic chemicals, data are evaluated by sample media to facilitate the comparison with media-specific background data. To identify inorganic COPCs, the first step is to compare the reported value with the BV and the maximum background concentration, if either or both are available. A constituent is identified as a COPC if the reported value is above the BV or the maximum background concentration, whichever is greater. The same evaluation is performed using sample DLs when a constituent is not

detected but has DLs above the BV. If no BV is available, detected inorganic chemicals are identified as COPCs.

Two inorganic chemicals, calcium and sodium, receive additional consideration when they are detected above their BVs. Calcium and sodium are essential nutrients that are common in soil. For this reason, calcium and sodium are eliminated as COPCs when they are detected above background infrequently or do not greatly exceed the range of background concentrations, particularly if they are not likely to have been associated with historical Los Alamos National Laboratory (LANL or the Laboratory) activities at the site.

Radionuclides are identified as COPCs based on comparisons to BVs or to fallout values (FVs) for fallout radionuclides (the fallout radionuclides are americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, and tritium). FVs apply only to surface (0–0.5 ft below ground surface [bgs]) samples, so fallout radionuclides detected in samples other than surface samples are identified as COPCs.

The FV for tritium in surface soil (LANL 1998, 059730) is in units of picocuries per milliliter (pCi/mL). Use of this FV requires using sample percent moisture to convert sample tritium data from picocuries per gram (pCi/g) (as provided by analytical laboratories) to the corresponding values in units of pCi/mL. Because sample percent moisture historically has been determined using a variety of methods, often undocumented, the Laboratory has adopted the conservative approach of identifying tritium in soil as a COPC based on detection status.

The FVs for fallout radionuclides in tuff (LANL 1998, 059730) are nominal detection limits (DLs), not measured concentrations from tuff samples. Therefore, the FVs are not used for tuff samples, and fallout radionuclides in tuff are identified as COPCs based on detection status.

Chemicals are COPCs for an entire site if they are identified as COPCs for any medium sampled at the site. The media-specific identification of COPCs for each site is discussed in the following sections. Figures are provided showing the concentrations of COPCs where they were detected or were detected above background at all sites. Table F-1.2-1 lists, for all sites and sample locations, the corresponding figure number for inorganic chemical, organic chemical, and radionuclide COPCs.

F-2.0 TA-02

F-2.1 AOC 02-003(a), Soil Contamination (Stack-Gas Valve House and Gaseous Effluent Vent Lines)

Thirty-six samples (16 soil/fill, 10 alluvium, and 10 tuff), plus 3 field duplicates, were collected from 10 locations at AOC 02-003(a) in 1995, 2000, and 2007. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.1.1 Inorganic Chemicals at AOC 02-003(a)

Thirty-one samples were analyzed for target analyte list (TAL) metals. Twenty-two samples were analyzed for anions, cyanide (total), and perchlorate. Nine samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above

their BVs, or were detected and have no BV in samples from one or more media. Table F-2.1-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.1.1.1 Inorganic Chemicals in Soil and Fill

Cadmium, copper, lead, manganese, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and had no BV for comparison.

Cadmium and manganese were detected above their BVs in soil samples. All sample concentrations are within the range of their respective background concentrations in soil. Therefore, cadmium and manganese are not identified as COPCs.

Copper, lead, mercury, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, copper, lead, mercury, and zinc are identified as COPCs.

Nitrate and perchlorate were detected in soil samples and have no BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Selenium was not detected above its BV but had a DL above its BV in one soil sample. All sample concentrations are within the range of background concentrations for selenium in soil. Therefore, selenium is not identified as a COPC.

F-2.1.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, mercury, nickel, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison.

Cadmium was detected above its BV and had DLs above its BV. All sample concentrations are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium and mercury were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, chromium and mercury are identified as COPCs.

Nickel and selenium were not detected above their BVs but had DLs above their BVs in alluvium samples. All sample concentrations are within the range of their respective background concentrations. Therefore, nickel and selenium are not identified as COPCs.

Nitrate and perchlorate were detected in alluvium samples and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.1.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, perchlorate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore,

aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected but had a DL above its BV in one tuff sample and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV in five tuff samples. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Perchlorate was detected in one tuff sample and has no BV for comparison. Therefore, perchlorate is identified as a COPC.

Selenium was detected above its BV and had DLs above its BV in tuff samples. There is no range of background concentrations for selenium in tuff. Therefore, selenium is identified as a COPC.

F-2.1.2 Inorganic COPCs in All Media at AOC 02-003(a)

The inorganic COPCs identified for AOC 02-003(a) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.1.3 Organic COPCs in All Media at AOC 02-003(a)

Twenty-one samples from AOC 02-003(a) were analyzed for polychlorinated biphenyls (PCBs) and semivolatile organic compounds (SVOCs). Fifteen samples were analyzed for volatile organic compounds (VOCs) (Table 1.3-3).

The organic chemicals detected at AOC 02-003(a) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; 1,4-dichlorobenzene; fluoranthene; indeno(1,2,3-cd)pyrene; methylene chloride; naphthalene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.1-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.1.4 Radionuclides at AOC 02-003(a)

Thirty-five samples from AOC 02-003(a) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Twenty-two samples were analyzed for americium-241. One sample was analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected in samples for which FVs do not apply in one or more media. Table F-2.1-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.1.4.1 Radionuclides in Soil and Fill

Americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected in soil or fill samples for which FVs do not apply.

Americium-241 and strontium-90 were detected in subsurface soil or fill samples for which their FVs do not apply. Therefore, americium-241 and strontium-90 are identified as COPCs.

Cesium-137 and plutonium-239/240 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations. Each was also detected in subsurface samples for which FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Tritium was detected in surface and subsurface soil and fill samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.1.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

F-2.1.4.3 Radionuclides in Tuff

Tritium was detected in four tuff samples and has no FV for comparison. Therefore, tritium is identified as a COPC.

F-2.1.5 Radionuclide COPCs in All Media at AOC 02-003(a)

The radionuclide COPCs identified for AOC 02-003(a) are americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium.

F-2.1.6 Nature and Extent of Contamination at AOC 02-003(a)

Ten locations were sampled at AOC 02-003(a). The vertical extent of contamination is not defined at seven of the locations (Tables F-2.1-1, F-2.1-2, and F-2.1-3, and Figures F-2.1-1, F-2.1-2, and F-2.1-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentration of perchlorate increased with depth at one or more locations.
- The concentrations of radionuclides (cesium-137, plutonium-239/240, strontium-90, and tritium) increased with depth at multiple locations.

Extent is defined for the following.

- One SVOC (bis[2-ethylhexyl]phthalate) was detected in the deepest sample at one location, but was below its estimated quantitation limit (EQL).
- The concentrations of the detected VOCs (dichlorobenzene[1,4-], methylene chloride, and toluene) decreased with depth.
- PCBs (Aroclor-1254 and Aroclor-1260) were detected in the deepest samples at two locations, but their concentrations decreased with depth.
- The concentrations of nitrate decreased with depth.

- Americium-241 was detected in the deepest sample at only one location (location 02-01241 from 15.0–16.5 ft bgs) but was not detected 6 ft away at location 02-600119 at the deepest depth (15.0–21.0 ft bgs).

Additional sampling is necessary to define the vertical extent of metals, cesium-137, isotopic plutonium, strontium-90, and perchlorate.

The lateral extent of contamination for AOC 02-003(a) is not defined because other sites [AOCs 02-003(c), 02-003(e), 02-004(a), 02-004(f), 02-009(d), 02-010, 02-011(a), and 02-011(b), and Consolidated Unit 02-007-00] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.2 AOC 02-003(b), Soil Contamination (Condensate Trap and Gaseous Effluent Vent Line)

Sixteen samples (four soil, five alluvium, one sediment, and six tuff), plus one field duplicate, were collected from six locations at AOC 02-003(b) in 1995 and 2007. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.2.1 Inorganic Chemicals at AOC 02-003(b)

Thirteen samples from AOC 02-003(b) were analyzed for TAL metals, anions, cyanide (total), and perchlorate (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, mercury, nickel, nitrate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media. Table F-2.2-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.2.1.1 Inorganic Chemicals in Soil

Cadmium, mercury, and nitrate were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Cadmium was not detected above its BV but had DLs above its BV in three soil samples. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Mercury was detected above its BV in one soil sample and exceeded the range of background concentrations for mercury in soil. Therefore, mercury is identified as a COPC.

Nitrate was detected in three soil samples and has no BV for comparison. Therefore, nitrate is identified as a COPC.

F-2.2.1.2 Inorganic Chemicals in Alluvium

Cadmium, nitrate, and selenium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison.

Cadmium was not detected but had DLs above its BV in five alluvium samples. All sample concentrations are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Nitrate was detected in three alluvium samples and has no BV for comparison. Therefore, nitrate is identified as a COPC.

Selenium was not detected above its BV but had DLs above its BV in four alluvium samples. All sample concentrations are within the range of background concentrations for selenium. Therefore, selenium is not identified as a COPC.

F-2.2.1.3 Inorganic Chemicals in Sediment

Cadmium, nitrate, and selenium had DLs above their BVs or were detected and have no sediment BV for comparison.

Cadmium and selenium were not detected but had DLs above their BVs in one sediment sample. The DLs exceeded the range of their respective background concentrations in sediment. Therefore, cadmium and selenium are identified as COPCs.

Nitrate was detected in one sediment sample and has no BV for comparison. Therefore, nitrate is identified as a COPC.

F-2.2.1.4 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, nitrate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and had no tuff BV for comparison.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Cadmium and selenium were not detected but had DLs above their BVs in three tuff samples. There is no range of background concentrations in tuff for either cadmium or selenium. Therefore, cadmium and selenium are identified as COPCs.

Nitrate was detected in one tuff sample and has no BV in tuff for comparison. Therefore, nitrate is identified as a COPC.

F-2.2.2 Inorganic COPCs in All Media at AOC 02-003(b)

The inorganic COPCs identified for AOC 02-003(b) are aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, mercury, nickel, nitrate, selenium, and vanadium.

F-2.2.3 Organic COPCs in All Media at AOC 02-003(b)

Fifteen samples from AOC 02-003(b) were analyzed for SVOCs. Thirteen samples were analyzed for PCBs. Eight samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-003(b) are anthracene; Aroclor-1248; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; n-butylbenzene; chrysene; di-n-butylphthalate; fluoranthene; fluorene; 4-isopropyltoluene; 2-methylnaphthalene; pyrene; and 1,2,4-trimethylbenzene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.2-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.2.4 Radionuclides at AOC 02-003(b)

Fifteen samples from AOC 02-003(b) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Thirteen samples were analyzed for americium-241. One sample was analyzed for technetium-99 (Table 1.3-3).

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected in samples for which their FVs do not apply in one or more media. Table F-2.2-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.2.4.1 Radionuclides in Soil

Plutonium-239/240 and tritium were detected above their FVs or were detected with no applicable FV.

Plutonium-239/240 was detected above its FV in one surface soil sample and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in one surface soil sample and has no applicable FV in soil. Therefore, tritium is identified as a COPC.

F-2.2.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in subsurface alluvium samples for which no FV applies. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

F-2.2.4.3 Radionuclides in Sediment

Plutonium-239/240 was detected above its FV in one surface sediment sample and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Therefore, plutonium-239/240 is identified as a COPC.

F-2.2.4.4 Radionuclides in Tuff

Strontium-90 and tritium were detected in one or more tuff samples and have no applicable FVs for comparison. Therefore, strontium-90 and tritium are identified as COPCs.

F-2.2.5 Radionuclide COPCs in All Media at AOC 02-003(b)

The radionuclide COPCs identified for AOC 02-003(b) are cesium-137, plutonium-239/240, strontium-90, and tritium.

F-2.2.6 Nature and Extent of Contamination at AOC 02-003(b)

Six locations were sampled at AOC 02-003(b). The vertical extent of contamination is not defined at five of the locations (Tables F-2.2-1, F-2.2-2, and F-2.2-3, and Figures F-2.1-1, F-2.1-2, and F-2.1-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- Plutonium-239/240 was detected above its FV at two locations that were sampled at a single depth. Tritium was detected in the deepest sample at two locations and at one location that was sampled at a single depth.

Extent is defined for the following.

- Nitrate was detected with decreasing trends.
- Perchlorate was not detected.
- PCBs (Aroclor-1254 and Aroclor-1260) were detected with decreasing trends at three locations.
- SVOCs were detected with decreasing trends at multiple locations.
- VOCs were not detected.

Additional sampling is necessary to define the vertical extent of metals, isotopic plutonium, and tritium.

The lateral extent of contamination for AOC 02-003(b) is not defined because other sites [AOCs 02-003(c) and 02-011(b), and Consolidated Unit 02-007-00] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.3 AOC 02-003(c), Soil Contamination (Delay System)

Forty-one samples (12 soil, 14 alluvium, 1 sediment, and 14 tuff), plus 4 field duplicates, were collected from 15 locations at AOC 02-003(c) in 1995, 2000, and 2007. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.3.1 Inorganic Chemicals at AOC 02-003(c)

Thirty-five samples from AOC 02-003(c) were analyzed for TAL metals. Thirty-three samples were analyzed for anions, cyanide (total), and perchlorate. Two samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, thallium, vanadium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media. Table F-2.3-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.3.1.1 Inorganic Chemicals in Soil

Barium, cadmium, copper, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Barium and zinc were detected above their BVs in soil samples. All sample concentrations are within the range of their respective background concentrations. Therefore, barium and zinc are not identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV in four soil samples. All sample concentrations are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Copper, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, copper, mercury, and selenium are identified as COPCs.

Nitrate and perchlorate were detected in soil samples and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.3.1.2 Inorganic Chemicals in Alluvium

Barium, cadmium, calcium, chromium, copper, lead, mercury, nitrate, perchlorate, selenium, and thallium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Barium, copper, lead, mercury, selenium, and thallium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, copper, lead, mercury, selenium, and thallium are identified as COPCs.

Cadmium was not detected but had DLs above its BV in 14 alluvium samples. All sample concentrations are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Calcium and chromium were detected above their BVs in alluvium samples. All sample concentrations are within the range of their respective background concentrations. Therefore, calcium and chromium are not identified as COPCs.

Nitrate and perchlorate were detected in alluvium samples and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.3.1.3 Inorganic Chemicals in Sediment

Cadmium was not detected but had a DL above its BV in the single sediment sample and exceeded the range of background concentrations for cadmium in sediment. Therefore, cadmium is identified as a COPC.

Selenium was detected above its BV in the single sediment sample and exceeded the range of background concentrations for selenium in sediment. Therefore, selenium is identified as a COPC.

F-2.3.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, iron, manganese, nickel, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and had no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, chromium, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected but had DLs above its BV in three tuff samples and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected above its BV but had DLs above its BV in eight tuff samples. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Selenium was detected above its BV in five tuff samples and had DLs above its BV in three tuff samples. There is no range of background concentrations for selenium in tuff. Therefore, selenium is identified as a COPC.

F-2.3.2 Inorganic COPCs in All Media at AOC 02-003(c)

The inorganic COPCs identified for AOC 02-003(c) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, thallium, and vanadium.

F-2.3.3 Organic COPCs in All Media at AOC 02-003(c)

Thirty-one samples from AOC 02-003(c) were analyzed for SVOCs. Twenty-two samples were analyzed for VOCs. Four samples were analyzed for PCBs (Table 1.3-3).

The organic chemicals detected at AOC 02-003(b) are acenaphthene; acetone; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chloroform; chrysene; fluoranthene; indeno(1,2,3-cd)pyrene; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.3-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.3.4 Radionuclides at AOC 02-003(c)

Forty samples from AOC 02-003(c) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Thirty-three samples were analyzed for americium-241. One sample was analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected in samples for which their FVs do not apply in one or more media. Table F-2.3-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.3.4.1 Radionuclides in Soil

Americium-241, cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-238 were detected above their BVs/FVs or were detected with no applicable FV in one or more soil samples.

Americium-241 was detected in subsurface soil samples for which its FV does not apply. Therefore, americium-241 is identified as a COPC.

Cesium-137 and plutonium-239/240 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations in soil. They were also detected in subsurface soil samples for which their FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected in one soil sample and has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected in three soil samples and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

Uranium-238 was detected above its BV in one soil sample. There is no range of background concentrations for uranium-238 in soil for comparison. Therefore, uranium-238 is identified as a COPC.

F-2.3.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, and tritium were detected in one or more subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and tritium are identified as COPCs.

F-2.3.4.3 Radionuclides in Sediment

Plutonium-239/240 was detected above its FV in the single sediment sample and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Therefore, plutonium-239/240 is identified as a COPC.

F-2.3.4.4 Radionuclides in Tuff

Cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235 were detected above the BV or were detected with no applicable FV in one or more tuff samples.

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in tuff samples for which there are no FVs. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-235 was detected above its BV in two tuff samples. There is no range of background concentrations for uranium-235 in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.3.5 Radionuclide COPCs in All Media at AOC 02-003(c)

The radionuclide COPCs identified for AOC 02-003(c) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-235, and uranium-238.

F-2.3.6 Nature and Extent of Contamination at AOC 02-003(c)

Fifteen locations were sampled at AOC 02-003(c). The vertical extent of contamination is not defined at ten of the locations (Tables F-2.3-1, F-2.3-2, and F-2.3-3, and Figures F-2.3-1, F-2.3-2, and F-2.3-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- SVOCs were detected at two locations that were sampled at a single depth.
- The concentrations of radionuclides (americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235) either increased with depth or were detected at locations that were sampled at a single depth.

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth to below EQLs.
- The concentrations of PCBs decreased with depth.
- The concentrations of VOCs decreased with depth to below EQLs.
- The concentrations of cobalt-60 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, SVOCs, americium-241, cesium-137, isotopic plutonium, isotopic uranium, strontium-90, and tritium.

The lateral extent of contamination for AOC 02-003(c) is not defined because other sites [Consolidated Unit 02-007-00, AOCs 02-003(b), 02-003(d), and 02-004(a)] (Plate 1) are located adjacent to it on the north, south, east, and west sides and have similar COPCs. As a result, concentrations do not decrease, and contamination cannot be identified as being from one site or the other. Additional sampling on the northwest and southeast sides of AOC 02-003(c) is necessary to define the lateral extent of contamination.

F-2.4 AOC 02-003(d), Soil Contamination (Garden Hose Discharge Area and Gaseous Effluent Vent Line (Line 119) from Delay Tanks and Mesa-Top Stack)

Sixty-three samples (37 soil/fill, 16 alluvium, 10 tuff), plus 5 field duplicates, were collected from 19 locations at AOC 02-003(d) in 2000 and 2007. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.4.1 Inorganic Chemicals at AOC 02-003(d)

Thirty-six samples from AOC 02-003(d) were analyzed for TAL metals. Thirty samples were analyzed for anions, cyanide (total), and perchlorate. Six samples were analyzed for total uranium (Table 1.3-3).

Aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, potassium, selenium, silver, thallium, uranium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media. Table F-2.4-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.4.1.1 Inorganic Chemicals in Soil

Beryllium, cadmium, mercury, nitrate, perchlorate, selenium, silver, thallium, uranium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Beryllium and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in soil. Therefore, beryllium and zinc are not identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV. All sample concentrations are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Mercury, selenium, and uranium were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, mercury, selenium, and uranium are identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Silver was detected above its BV in one soil sample. There is no range of background concentrations for silver in soil. Therefore, silver is identified as a COPC.

Thallium was not detected above its BV but had a DL above its BV and exceeded the range of background concentrations for thallium in soil. Therefore, thallium is identified as a COPC.

F-2.4.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and had no BV for comparison in one or more alluvium samples.

Cadmium was not detected but had DLs above its BV. All sample concentrations are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations. Therefore, chromium and zinc are not identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Selenium was detected above its BV and exceeded the range of background concentrations for selenium. Therefore, selenium is identified as a COPC.

F-2.4.1.3 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, nitrate, perchlorate, potassium, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, nickel, selenium, vanadium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, nickel, selenium, vanadium, and zinc are identified as COPCs.

Cadmium was not detected above its BV but had a DL above its BV in one tuff sample. There is no range of background concentrations for cadmium in tuff. Therefore, cadmium is identified as a COPC.

Calcium was detected above its BV and exceeded the range of background concentrations for calcium in tuff. The maximum sample concentration (3850 mg/kg) is slightly more than twice the BV (1900 mg/kg). Calcium is an essential nutrient that is common in soil, was detected above background infrequently in samples from this site and is not likely to have been associated with the primarily gaseous discharges from AOC 02-003(d). Therefore, calcium is not identified as a COPC.

Lead and potassium were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in tuff. Therefore, lead and potassium are not identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.4.2 Inorganic COPCs in All Media at AOC 02-003(d)

The inorganic COPCs identified for AOC 02-003(d) are aluminum, arsenic, barium, beryllium, cadmium, chromium, copper, iron, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, thallium, uranium, vanadium, and zinc.

F-2.4.3 Organic COPCs in All Media at AOC 02-003(d)

Thirty samples from AOC 02-003(d) were analyzed for SVOCs. Fourteen samples were analyzed for PCBs and VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-003(d) are Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; fluoranthene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.4-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.4.4 Radionuclides at AOC 02-003(d)

Thirty-six samples from AOC 02-003(d) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, and strontium-90. Thirty-five samples were analyzed for tritium. Thirty samples were analyzed for americium-241 (Table 1.3-3).

Americium-241, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected in samples for which their FVs do not apply in one or more media. Table F-2.4-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.4.4.1 Radionuclides in Soil and Fill

Americium-241, cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-238 were detected above their BVs/FVs or were detected with no applicable FV in one or more soil or fill samples.

Americium-241 was detected above its FV in one surface soil sample and exceeded the range of background (fallout) concentrations for americium-241 in soil. Therefore, americium-241 is identified as a COPC.

Cesium-137 was detected in subsurface soil and fill samples for which its FV does not apply. Therefore, cesium-137 is identified as a COPC.

Cobalt-60 was detected in one soil sample and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 was detected above its FV in surface soil and fill samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. It also was detected in subsurface soil and fill samples for which the FV does not apply. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

Uranium-238 was detected above its BV in one soil sample and has no range of background concentrations in soil for comparison. Therefore, uranium-238 is identified as a COPC.

F-2.4.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, and tritium were detected in subsurface alluvium samples for which no FVs apply. Therefore, cesium-137, plutonium-239/240, and tritium are identified as COPCs.

Uranium-234 and uranium-238 were detected above their BVs and have no range of respective background concentrations in alluvium for comparison. Therefore, uranium-234 and uranium-238 are identified as COPCs.

F-2.4.4.3 Radionuclides in Tuff

Cesium-137 and tritium were detected and have no FVs for comparison. Therefore, cesium-137 and tritium are identified as COPCs.

Uranium-235 was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.4.5 Radionuclide COPCs in All Media at AOC 02-003(d)

The radionuclide COPCs identified for AOC 02-003(d) are americium-241, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, uranium-235, and uranium-238.

F-2.4.6 Nature and Extent of Contamination at AOC 02-003(d)

Nineteen locations were sampled at AOC 021-003(d). The vertical extent of contamination is not defined at 17 of the locations (Tables F-2.4-1, F-2.4-2, and F-2.4-3, and Figures F-2.4-1, F-2.4-2, and F-2.4-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate and perchlorate increased with depth at one or more locations.
- SVOCs were detected at multiple locations that were sampled at a single depth.
- Radionuclides (cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235) were detected at locations that were sampled at a single depth or increased with depth at one or more locations.

Extent is defined for the following.

- One VOC (toluene) was detected in the deepest sample at one location and at one location that was sampled at a single depth but was below its EQL in both samples.
- Uranium-234 was detected in only one sample (location 02-600229 from 2.0 to 3.1 ft bgs) and decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, perchlorate, SVOCs, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination is not defined for some COPCs on the north, east, and west sides of AOC 02-003(d) (Plate 1). The COPCs for which the lateral extent of contamination is not defined include metals, nitrate, perchlorate, SVOCs, gamma-emitting radionuclides, plutonium-239/240, and tritium.

F-2.5 AOC 02-003(e), Soil Contamination (Water Boiler Reactor Holding Tank)

Twenty-three samples (10 soil, 8 alluvium, and 5 tuff), plus 2 field duplicates, were collected from five locations at AOC 02-003(e) in 2000 and 2007. Samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.5.1 Inorganic Chemicals at AOC 02-003(e)

Twenty-three samples from AOC 02-003(e) were analyzed for TAL metals. Sixteen samples were analyzed for cyanide (total), anions, and perchlorate. Seven samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, uranium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and had no BV in samples from one or more media. Table F-2.5-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.5.1.1 Inorganic Chemicals in Soil

Antimony, cadmium, copper, lead, mercury, nitrate, perchlorate, selenium, uranium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Antimony, copper, uranium, and zinc were detected above their BVs, but all concentrations are within the range of background concentrations in soil. Therefore, antimony, copper, uranium, and zinc are not identified as COPCs.

Lead and mercury were detected above their BVs, and exceeded the range of background concentrations in soil. Therefore, lead and mercury are identified as COPCs.

Cadmium and selenium were not detected above their BVs but had DLs above their BVs in one sample each. All DLs of cadmium and selenium are within the range of background concentrations in soil. Therefore, cadmium and selenium are not identified as COPCs.

Nitrate and perchlorate were detected in soil samples and have no BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.5.1.2 Inorganic Chemicals in Alluvium

Cadmium, calcium, chromium, lead, mercury, nitrate, perchlorate, selenium, silver, and zinc were detected above their BVs, had DLs above their BVs, or were detected and had no alluvium BV for comparison.

Cadmium and calcium were detected above their BVs, but all concentrations are within the range of background concentrations in soil. Therefore, cadmium and calcium are not identified as COPCs.

Chromium, lead, mercury, selenium, silver, and zinc were detected above their BVs, and exceeded the range of background concentrations. Therefore, chromium, lead, mercury, selenium, silver, and zinc are identified as COPCs.

Nitrate and perchlorate were detected in alluvium samples and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.5.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, iron, lead, manganese, nickel, selenium, vanadium, and zinc were detected above their BVs or had DLs above their BVs.

Aluminum, arsenic, barium, chromium, iron, lead, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, iron, lead, manganese, nickel, and vanadium are identified as COPCs.

Antimony and cadmium were not detected but had DLs above their BVs. Antimony DLs exceeded the range of background concentrations for antimony in tuff, and cadmium has no range of background concentrations in tuff for comparison. Therefore, antimony and cadmium are identified as COPCs.

Selenium was detected above its BV in tuff samples and has no range of background concentrations for comparison. Selenium also had a DL above its BV in one tuff sample. Therefore, selenium is identified as a COPC.

Zinc was detected above its BV in one tuff sample, but all concentrations of zinc are within the range of background concentrations for zinc in tuff. Therefore, zinc is not identified as a COPC.

F-2.5.2 Inorganic COPCs in All Media at AOC 02-003(e)

The inorganic COPCs identified for AOC 02-003(e) are aluminum, antimony, arsenic, barium, cadmium, chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

F-2.5.3 Organic COPCs in All Media at AOC 02-003(e)

Sixteen samples from AOC 02-003(e) were analyzed for PCBs and SVOCs. Twelve samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-003(e) are Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; indeno(1,2,3-cd)pyrene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.5-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.5.4 Radionuclides at AOC 02-003(e)

Twenty-three samples from AOC 02-003(e) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Sixteen samples were analyzed for americium-241 (Table 1.3-3).

Americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-238 were detected above their BVs/FVs or were detected in samples for which their FVs do not apply in one or more media. Table F-2.5-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.5.4.1 Radionuclides in Soil

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected in subsurface samples for which the FV does not apply.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs and exceeded the range of background (fallout) concentrations in soil. Each was also detected in one or more subsurface soil sample for which the FV does not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected in 6 of 10 soil samples. Tritium has no applicable FV for soil samples, so tritium is identified as a COPC.

F-2.5.4.2 Radionuclides in Alluvium

Americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected in subsurface samples for which the FV does not apply.

Americium-241, cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs and exceeded the range of background (fallout) concentrations for those analytes. Each was also detected in

one or more subsurface soil samples for which its FVs do not apply. Therefore, americium-241, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected in three of eight alluvium samples and has no applicable FV. Therefore, tritium is identified as a COPC.

F-2.5.4.3 Radionuclides in Tuff

Americium-241, cesium-137, tritium, uranium-234, and uranium-238 were detected above their BVs/FVs or were detected in subsurface samples for which the FV does not apply.

Americium-241, cesium-137, and tritium were detected and have no applicable FV in tuff. Therefore, americium-241, cesium-137, and tritium are identified as COPCs.

Uranium-234 and uranium-238 were detected above their BVs in one tuff sample. There is no range of background concentrations for uranium isotopes in tuff, so uranium-234 and uranium-238 are identified as COPCs.

F-2.5.5 Radionuclide COPCs in All Media at AOC 02-003(e)

The radionuclide COPCs identified for AOC 02-003(e) are americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-238.

F-2.5.6 Nature and Extent of Contamination at AOC 02-003(e)

Five locations were sampled at AOC 02-003(e). The vertical extent of contamination is not defined at any of the locations (Tables F-2.5-1, F-2.5-2, and F-2.5-3, and Figures F-2.3-1, F-2.4-2, and F-2.4-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of radionuclides (americium-241, uranium-234, and uranium-238) increased with depth at location 02-01240. The concentration of tritium did not decrease with depth at location 02-01240.

Extent is defied for the following.

- The concentrations of nitrate decreased with depth.
- The concentrations of perchlorate decreased with depth.
- The concentrations of PCBs (Aroclor-1254 and Aroclor-1260) decreased with depth.
- The concentration of the only detected VOC (toluene) decreased with depth.
- The concentrations of the detected SVOCs decreased with depth.
- The concentrations of radionuclides (cesium-137, plutonium-239/240, and strontium-90) decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, americium-241, tritium, and isotopic uranium.

The lateral extent of contamination for AOC 02-003(e) is not defined because other sites [AOCs 02-003(a) and 02-011(b) and Consolidated Unit 02-007-00] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.6 AOC 02-004(a), Former Reactor Facility (Omega West Reactor [OWR])

One hundred twenty-three samples (51 soil, 34 alluvium, and 38 tuff), plus 18 field duplicates, were collected in 2003 and 2007 from 38 locations at AOC 02-004(a). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.6.1 Inorganic Chemicals at AOC 02-004(a)

One hundred samples from AOC 02-004(a) were analyzed for TAL metals. Ninety-one samples were analyzed for anions. Ninety-two samples were analyzed for cyanide (total) and perchlorate. Eight samples were analyzed for hexavalent chromium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media. Table F-2.6-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.6.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Cadmium, calcium, chromium, copper, lead, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, cadmium, calcium, chromium, copper, lead, mercury, selenium, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

F-2.6.1.2 Inorganic Chemicals in Alluvium

Cadmium, calcium, chromium, copper, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Calcium, chromium, and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations. Therefore, calcium, chromium, and zinc are not identified as COPCs.

Copper, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, copper, mercury, and selenium are identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Zinc was detected above its BV, but all sample concentrations are within the range of background concentrations for zinc. Therefore, zinc is not identified as a COPC.

F-2.6.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, nitrate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, beryllium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, beryllium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected but had DLs above its BV and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium, mercury, and selenium were detected above their BVs, and have no range of respective background concentrations in tuff. Therefore, cadmium, mercury, and selenium are identified as COPCs.

Nitrate was detected and has no BV for comparison. Therefore, nitrate is identified as a COPC.

Zinc was detected above its BV, but all sample concentrations are within the range of background concentrations for zinc in tuff. Therefore, zinc is not identified as a COPC.

F-2.6.2 Inorganic COPCs in All Media at AOC 02-004(a)

The inorganic COPCs identified for AOC 02-004(a) are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.6.3 Organic COPCs in All Media at AOC 02-004(a)

Ninety-four samples from AOC 02-004(a) were analyzed for SVOCs. Eighty samples were analyzed for PCBs. Sixty samples were analyzed for VOCs. Forty-six samples were analyzed for total petroleum hydrocarbons–diesel range organics (TPH-DRO). Thirty-two samples were analyzed for dioxins/furans (Table 1.3-3).

The organic chemicals detected at AOC 02-004(a) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- butylbenzylphthalate;
- chloroform;
- chrysene;
- dibenzofuran;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;

- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene; pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;
- toluene; TPH-DRO;
- 1,2-xylene; and
- 1,3-xylene+1,4-xylene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.6-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.6.4 Radionuclides at AOC 02-004(a)

Ninety-nine samples were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, and strontium-90. Ninety-seven samples were analyzed for tritium. Ninety-one samples were analyzed for americium-241. Eight samples were analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235 were detected above their BVs/FVs or were detected in samples for which their FVs do not apply in one or more media. Table F-2.6-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.6.4.1 Radionuclides in Soil

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium were detected above their BVs/FVs or were detected with no available or applicable BV/FV in one or more soil samples at AOC 02-004(a).

Americium-241 was detected in one subsurface soil sample for which its FV does not apply. Therefore, americium-241 is identified as a COPC.

Cesium-137 and plutonium-239/240 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations in soil. They also were detected in subsurface soil samples for which their FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected in soil samples and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Strontium-90 was detected above its FV in one surface soil sample and exceeded the range of background (fallout) concentrations for strontium-90 in soil. Therefore, strontium-90 is identified as a COPC.

Tritium was detected in soil samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.6.4.2 Radionuclides in Alluvium

Cesium-137, cobalt-60, plutonium-239/240, and tritium were detected no available or applicable BV/FV in one or more alluvium samples at AOC 02-004(a).

Cesium-137 and plutonium-239/240 were detected in subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected in two alluvium samples and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.6.4.3 Radionuclides in Tuff

Cesium-137 and tritium were detected and have no applicable FVs for comparison. Therefore, cesium-137 and tritium are identified as COPCs.

Uranium-235 was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.6.5 Radionuclide COPCs in All Media at AOC 02-004(a)

The radionuclide COPCs identified for AOC 02-004(a) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235.

F-2.6.6 Nature and Extent of Contamination at AOC 02-004(a)

Thirty-eight locations were sampled at AOC 02-004(a). The vertical extent of contamination is not defined at any of the locations (Tables F-2.6-1, F-2.6-2, and F-2.6-3, and Figures F-2.6-1, F-2.6-2, and F-2.6-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- The concentrations of radionuclides (cobalt-60, plutonium-239/240, tritium, and uranium-235) increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth and were infrequently detected.
- The concentrations of PCBs (Aroclor-1248, Aroclor-1254, and Aroclor-1260 decreased with depth.
- The concentrations of the detected VOCs decrease with depth, and for the VOCs detected at the deepest depth, the concentration is less than the EQL.
- The concentrations of detected SVOCs decreased with depth.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area

investigation (LANL 2007, 099175). Concentrations were reviewed by New Mexico Environment Department (NMED) and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).

- Americium-241 was detected in one sample and decreased in concentration with depth.
- Strontium-90 was detected in one sample and decreased in concentration with depth.
- The concentrations of cesium-137 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for AOC 02-004(a) is not defined because other sites [AOCs 02-004(f), 02-009(d), 02-010, 02-011(a), and 02-012] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.7 AOCs 02-004(b,c,d), Former Storage Tanks (OWR Effluent Storage Tanks)

Nineteen samples (nine soil, five alluvium, and five tuff), plus five field duplicates, were collected in 2007 from nine locations at AOCs 02-004(b,c,d). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.7.1 Inorganic Chemicals at AOCs 02-004(b,c,d)

Nineteen samples from AOCs 02-004(b,c,d) were analyzed for TAL metals, cyanide (total), anions, and perchlorate (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cyanide (total), iron, manganese, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and had no BV in samples from one or more media. Table F-2.7-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.7.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, chromium, cyanide (total), nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Calcium was detected above its BV, but all calcium concentrations are within the range of background concentrations for calcium in soil. Therefore, calcium is not identified as a COPC.

Chromium and zinc were detected above their BVs and exceeded the range of background concentrations for chromium in soil. Therefore, chromium and zinc are identified as COPCs.

Cyanide (total) was detected above its BV and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Cadmium and selenium were not detected above their BVs but had DLs above their BVs. All cadmium and selenium DLs are within the range of their respective background concentrations in soil. Therefore, cadmium and selenium are not identified as COPCs.

Nitrate and perchlorate were detected in soil, and do not have BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.7.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, manganese, nitrate, perchlorate, and selenium were detected above their BVs, had DLs above their BVs, or were detected and have no alluvium BV for comparison.

Chromium and manganese were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations. Therefore, chromium and manganese are not identified as COPCs.

Cadmium and selenium were not detected above their BVs but had DLs above their BVs. All cadmium and selenium DLs are within the range of their respective background concentrations. Therefore, cadmium and selenium are not identified as COPCs.

Nitrate and perchlorate were detected alluvium samples, and do not have BVs in alluvium for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.7.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, iron, manganese, nickel, selenium, and vanadium were detected above their BVs or had DLs above their BVs.

Aluminum, arsenic, barium, chromium, iron, manganese, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, iron, manganese, and vanadium are identified as COPCs.

Nickel was detected above its BV, but all sample concentrations are within the range of background concentrations for nickel in tuff. Therefore, nickel is not identified as a COPC.

Selenium was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, selenium is identified as a COPC.

Antimony was not detected but had a DL above its BV in one of two tuff samples. The elevated DL exceeded the range of background concentrations for antimony in tuff, so antimony is identified as a COPC.

Cadmium was not detected above its BV but had DLs above its BV in four of five tuff samples. Cadmium has no range of background concentrations in tuff for comparison, so cadmium is identified as a COPC.

F-2.7.2 Inorganic COPCs in All Media at AOCs 02-004(b,c,d)

The inorganic COPCs identified for AOCs 02-004(b,c,d) are aluminum, antimony, arsenic, barium, cadmium, chromium, cyanide (total), iron, manganese, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.7.3 Organic COPCs in All Media at AOCs 02-004(b,c,d)

Nineteen samples from AOCs 02-004(b,c,d) were analyzed for SVOCs, dioxins/furans and PCBs, and 10 samples were analyzed for VOCs (surface samples were not analyzed for VOCs) (Table 1.3-3).

The organic chemicals detected at AOCs 02-004(b,c,d) are

- acenaphthene;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- chrysene;
- dibenzofuran;
- luoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;

- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin; and
- 2,3,7,8-tetrachlorodibenzofuran.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.7-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.7.4 Radionuclides at AOCs 02-004(b,c,d)

Seventeen samples from AOCs 02-004(b,c,d) were analyzed for tritium. Sixteen samples were analyzed for gamma-emitting radionuclides, americium-241, isotopic plutonium, isotopic uranium, and strontium-90 (Table 1.3-3).

Cobalt-60, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs, were detected and have no BV, or were detected in samples for which their FVs do not apply in one or more media. Table F-2.7-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.7.4.1 Radionuclides in Soil

Cobalt-60, plutonium-239/240, and tritium were each detected above their BV or FV or were detected with no applicable BV/FV in at least one soil sample.

Plutonium-239/340 was detected above its FV in six of nine soil samples and exceeded the range of background (fallout) concentrations for plutonium-239/340 in surface soil. Therefore, plutonium-239/240 is identified as a COPC.

Cobalt-60 was detected in two of seven soil samples and has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected in four of nine soil samples and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.7.4.2 Radionuclides in Alluvium

Tritium was detected in two of three alluvium samples and has no applicable FV in alluvium for comparison (both samples were subsurface samples for which no FV would apply). Therefore, tritium is identified as a COPC.

F-2.7.4.3 Radionuclides in Tuff

Uranium-235 was detected above its BV in two of five tuff samples and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.7.5 Radionuclide COPCs in All Media at AOCs 02-004(b,c,d)

The radionuclide COPCs identified for AOCs 02-004(b,c,d) are cobalt-60, plutonium-239/240, tritium, and uranium-235.

F-2.7.6 Nature and Extent of Contamination at AOCs 02-004(b,c,d)

Nine locations were sampled at AOCs 02-004(b,c,d). The vertical extent of contamination is not defined at any of the locations (Tables F-2.7-1, F-2.7-2, and F-2.7-3, and Figures F-2.7-1, F-2.7-2, and F-2.7-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- The concentrations of perchlorate increased with depth at one or more locations.
- The concentrations of PCBs increased at one location.
- Radionuclides (plutonium-239/240, tritium, and uranium-235) increased in concentration at one or more locations.

Extent is defined for the following.

- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of detected SVOCs decreased with depth.
- The concentrations of cobalt-60 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, PCBs, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for AOCs 02-004(b,c,d) is not defined on the east and north sides because other sites [AOCs 02-004(e) and 02-004(f)] (Plate 1) are located adjacent to them and have similar COPCs. No other sites are located to the west, and the westernmost sample locations in AOCs 02-004(b,c,d) have inorganic chemicals nitrate, perchlorate, organic chemicals (PCBs and SVOCs), and radionuclides (plutonium-239/240, tritium, and uranium-235) detected or detected above background. Additional sampling to the west of AOCs 02-004(b,c,d) is needed to define the lateral extent of contamination.

F-2.8 AOC 02-004(e), Former Acid Pit (OWR Acid Pit/Transfer Sump)

Eight samples (three soil, two alluvium, and three tuff), plus two field duplicates, were collected in 2007 from three locations at AOC 02-004(e). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.8.1 Inorganic Chemicals at AOC 02-004(e)

Eight samples from AOC 02-004(e) were analyzed for TAL metals, cyanide (total), anions, and perchlorate (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above

their BVs, or were detected and have no BV in samples from one or more media. Table F-2.8-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.8.1.1 Inorganic Chemicals in Soil

Chromium, copper, lead, mercury, nitrate, perchlorate, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in soil.

Chromium was detected above its BV in two of three soil samples, but both detected concentrations are within the range of background concentrations for chromium in soil. One soil sample had a DL for chromium above its BV, and the DL exceeded the range of background concentrations for chromium in soil. Therefore, chromium is identified as a COPC.

Copper and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, copper and zinc are identified as COPCs.

Lead was detected above its BV in one of three soil samples, but all lead concentrations are within the range of background concentrations for lead in soil. Therefore, lead is not identified as a COPC.

Nitrate and perchlorate were detected but do not have BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.8.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, and selenium were not detected above their BVs but had DLs above their BVs in one or both alluvium samples. All sample concentrations for cadmium, chromium, and selenium are within the range of background concentrations. Therefore, cadmium, chromium, and selenium are not identified as COPCs.

F-2.8.1.3 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, cadmium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium, vanadium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in tuff.

Aluminum, arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, and vanadium are identified as COPCs.

Cadmium was not detected but had DLs above its BV. Cadmium has no range of background concentrations in tuff for comparison, so cadmium is identified as a COPC.

Nickel was not detected above its BV but had DLs above its BV and exceeded the range of background concentrations for nickel in tuff. Therefore, nickel is identified as a COPC.

Selenium was detected above its BV and had a DL above its BV. Selenium has no range of background concentrations in tuff for comparison, so selenium is identified as a COPC.

Zinc was detected above its BV, but all sample concentrations are within the range of background concentrations for zinc in tuff. Therefore, zinc is not identified as a COPC.

F-2.8.2 Inorganic COPCs in All Media at AOC 02-004(e)

The inorganic COPCs identified for AOC 02-004(e) are aluminum, arsenic, barium, cadmium, chromium, copper, iron, lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.8.3 Organic COPCs in All Media at AOC 02-004(e)

Eight samples from AOC 02-004(e) were analyzed for PCBs, SVOCs, and dioxins/furans. Five samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-004(e) are

- acenaphthene;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- chrysene;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;

- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene; pyrene; 2,3,7,8-tetrachlorodibenzodioxin; and
- 2,3,7,8-tetrachlorodibenzofuran.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.8-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.8.4 Radionuclides at AOC 02-004(e)

Eight samples from AOC 02-004(e) were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, stronium-90, and tritium (Table 1.3-3).

Cesium-137, plutonium-239/240, and tritium were either detected above their FVs or were detected with no available or applicable FV in one or more media. Table F-2.9-3 lists, by sample, the concentrations of radionuclides either detected above their FVs or detected with no available or applicable FV.

F-2.8.4.1 Radionuclides in Soil

Plutonium-239/240 and tritium were either detected above their FVs or were detected with no available or applicable FV in one or more soil samples.

Plutonium-239/240 was detected above its FV in both surface soil samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in one of three soil samples and has no applicable FV in soil. Therefore, tritium is identified as a COPC.

F-2.8.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240 and tritium were either detected above their FVs or were detected with no available or applicable FV in one or more alluvium samples.

Cesium-137 and plutonium-239/240 were detected in one subsurface alluvium sample for which FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Tritium was detected in one alluvium sample and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.8.4.3 Radionuclides in Tuff

No radionuclides were detected above their FVs or were detected with no available or applicable FV in any tuff samples.

F-2.8.5 Radionuclide COPCs in All Media at AOC 02-004(e)

The radionuclide COPCs identified for AOC 02-004(e) are cesium-137, plutonium-239/240, and tritium.

F-2.8.6 Nature and Extent of Contamination at AOC 02-004(e)

Three locations were sampled at AOC 02-004(e). The vertical extent of contamination is not defined at any of the locations (Tables F-2.8-1, F-2.8-2, and F-2.8-3, and Figures F-2.8-1, F-2.8-2, and F-2.7-3). Extent is not defined for the following COPCs.

- The concentrations of metals were detected above their BVs and increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of nitrate and perchlorate decreased with depth.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of PCBs (Aroclor-1254 and Aroclor-1260) decreased with depth.
- The concentrations of detected SVOCs decreased with depth.
- The concentrations of the radionuclides (cesium-137, plutonium-239/240, and tritium) decreased with depth.

Additional sampling is necessary to define the vertical extent of metals.

The lateral extent of contamination for AOC 02-004(e) is not defined because other sites [AOCs 02-004(b,c,d), 02-011(d), 02-004(f), and 02-011(c)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.9 AOC 02-004(f), Former Equipment Building (OWR Equipment Building and Liquid Acid Waste Line)

Sixty-eight samples (31 soil, 18 alluvium, and 19 tuff), plus 9 field duplicates, were collected in 2003 and 2007 from 25 locations at AOC 02-004(f). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and analyses requested for each.

F-2.9.1 Inorganic Chemicals at AOC 02-004(f)

Sixty-eight samples from AOC 02-004(f) were analyzed for TAL metals. Sixty samples were analyzed for anions, cyanide (total), and perchlorate. Eight samples were analyzed for hexavalent chromium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-004(f). Table F-2.9-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.9.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Cadmium was detected above its BV and had DLs above its BV in soil samples. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Calcium was detected above its BV in one soil sample. The sample concentration is within the range of background concentrations for calcium in soil. Therefore, calcium is not identified as a COPC.

Chromium, copper, lead, mercury, selenium, and zinc were detected above their BVs, and exceeded the range of their respective background concentrations in soil. Therefore, chromium, copper, lead, mercury, selenium, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected in soil samples and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV in one soil sample. There is no range of background concentrations for cyanide (total) in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

F-2.9.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, copper, mercury, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Cadmium was detected above its BV and had DLs above its BV in alluvium samples. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium, copper, mercury, selenium, and zinc were detected above their BVs, and exceeded the range of their respective background concentrations. Therefore, chromium, copper, mercury, selenium, and zinc are identified as COPCs.

Nitrate was detected in alluvium samples and has no BV for comparison. Therefore, nitrate is identified as a COPC.

F-2.9.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, nickel, nitrate, perchlorate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected in any samples but had DLs above its BV in 2 of 19 tuff samples. Antimony is not identified as a COPC.

Cadmium was not detected above its BV in any tuff samples but had DLs above its BV in 17 tuff samples. Because it was detected only below its BV in tuff and because all cadmium concentrations in samples

from other media at AOC 02-004(f) are within the range of background concentrations, cadmium is not identified as a COPC.

Lead was detected above its BV in one tuff sample and had a DL above its BV in one tuff sample. The sample concentration and DL are within the range of background concentrations for lead in tuff. Therefore, lead is not identified as a COPC.

Nitrate and perchlorate were detected in one or more tuff samples and have no BVs in tuff for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Selenium was detected above its BV and had DLs above its BV in tuff samples. There is no range of background concentrations for selenium in tuff, so selenium is identified as a COPC.

F-2.9.2 Inorganic COPCs in All Media at AOC 02-004(f)

The inorganic COPCs identified for AOC 02-004(f) are aluminum, arsenic, barium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.9.3 Organic COPCs in All Media at AOC 02-004(f)

Sixty samples from AOC 02-004(f) were analyzed for dioxins/furans, PCBs, and SVOCs. Thirty-nine samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-004(f) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;

- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- pentachlorophenol;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran; and
- toluene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.9-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.9.4 Radionuclides at AOC 02-004(f)

Sixty-eight samples from AOC 02-004(f) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, stronium-90, and tritium. Sixty samples were analyzed for americium-241. Eight samples were analyzed for technetium-99 (Table 1.3-3).

Cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235 were detected above their BVs/FVs or detected with no available or applicable FV in samples from one or more media at

AOC 02-004(f). Table F-2.9-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.9.4.1 Radionuclides in Soil

Cesium-137, cobalt-60, plutonium-239/240, and tritium were either detected above their FVs or detected with no available or applicable FV in one or more soil samples.

Cesium-137 was detected in one subsurface soil sample for which its FV does not apply. Therefore, cesium-137 is identified as a COPC.

Cobalt-60 was detected in two soil samples, and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 was detected above its FV in surface soil samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in soil samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.9.4.2 Radionuclides in Alluvium

Strontium-90 and tritium were detected in subsurface alluvium samples for which FVs do not apply. Therefore, strontium-90 and tritium are identified as COPCs.

F-2.9.4.3 Radionuclides in Tuff

Plutonium-239/240, tritium, and uranium-235 were detected above the BV or were detected with no applicable FV in one or more tuff samples.

Plutonium-239/240 and tritium were detected in tuff samples and have no applicable FVs for comparison. Therefore, plutonium-239/240 and tritium are identified as COPCs.

Uranium-235 was detected above its BV in four tuff samples. There is no range of background concentrations for uranium-235 in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.9.5 Radionuclide COPCs in All Media at AOC 02-004(f)

The radionuclide COPCs identified for AOC 02-004(f) are cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, and uranium-235.

F-2.9.6 Nature and Extent of Contamination at AOC 02-004(f)

Twenty-five locations were sampled at AOC 02-004(f). The vertical extent of contamination is not defined at any of the locations (Tables F-2.9-1, F-2.9-2, and F-2.9-3, and Figures F-2.8-1, F-2.9-1, and F-2.9-2). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate and perchlorate increased with depth at one or more locations.

- The concentrations of PCBs (Aroclor-1254 and Aroclor-1260) increased with depth at one or more locations.
- The concentrations of SVOCs increased with depth at one or more locations.
- The concentrations of detected VOCs increased with depth at one or more locations.
- The concentrations of radionuclides (plutonium-239/240, tritium, and uranium-235) increased with depth at one or more locations.

Extent is defined for the following.

- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of cesium-137, cobalt-60, and strontium-90 decrease with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, PCBs, SVOCs, VOCs, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for AOC 02-004(f) is not defined on the northwest side of the OWR equipment building area (metals, PCBs, and SVOCs) or to the south of the east-west path of the liquid acid waste line (metals, tritium, and isotopic uranium). Additional sampling is necessary to define the lateral extent of contamination.

F-2.10 AOC 02-004(g), Soil Contamination (Portable Aboveground Storage Tank)

Twenty-nine samples (15 soil/fill, 7 alluvium, 1 sediment, and 6 tuff), plus 3 field duplicates, were collected in 2003 and 2007 from 14 locations at AOC 02-004(g). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.10.1 Inorganic Chemicals at AOC 02-004(g)

Twenty-nine samples from AOC 02-004(g) were analyzed for TAL metals. Twenty-one samples were analyzed for anions, cyanide (total), and perchlorate. Eight samples were analyzed for hexavalent chromium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more media at AOC 02-004(g). Table F-2.10-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.10.1.1 Inorganic Chemicals in Soil and Fill

Cadmium, calcium, chromium, hexavalent chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil/fill samples.

Cadmium was detected above its BV and had DLs above its BV. All sample concentrations and DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Calcium was detected above its BV in one soil sample. All sample concentrations are within the range of background concentrations for calcium in soil. Therefore, calcium is not identified as a COPC.

Chromium, lead, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, chromium, lead, mercury, selenium, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.10.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, copper, lead, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Cadmium was not detected but had DLs above its BV. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium, copper, lead, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, chromium, copper, lead, and selenium are identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Zinc was detected above its BV in one alluvium sample. The sample concentration is within the range of background concentrations for zinc. Therefore, zinc is not identified as a COPC.

F-2.10.1.3 Inorganic Chemicals in Sediment

Cadmium, nitrate, and selenium had DLs above their BVs or were detected and have no BV for comparison in the single sediment sample.

Cadmium and selenium were not detected but had DLs above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, cadmium and selenium are identified as COPCs.

Nitrate was detected and has no BV in sediment for comparison. Therefore, nitrate is identified as a COPC.

F-2.10.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, and selenium were detected above their BVs or had DLs above their BVs in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, and nickel were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, and nickel are identified as COPCs.

Antimony was not detected but had a DL above its BV and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV. There is no range of background concentrations for cadmium in tuff. Therefore, cadmium is identified as a COPC.

Selenium was detected above its BV and had DLs above its BV. There is no range of background concentrations for selenium in tuff. Therefore, selenium is identified as a COPC.

F-2.10.2 Inorganic COPCs in All Media at AOC 02-004(g)

The inorganic COPCs identified for AOC 02-004(g) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and zinc.

F-2.10.3 Organic COPCs in All Media at AOC 02-004(g)

Twenty-one samples from AOC 02-004(g) were analyzed for dioxins/furans, PCBs, and SVOCs. Twelve samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-004(g) are

- acenaphthene;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;

- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran;
- tetrachloroethene;
- toluene; and
- trichloroethene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.10-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.10.4 Radionuclides at AOC 02-004(g)

Twenty-nine samples from AOC 02-004(g) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, stronium-90, and tritium. Twenty-one samples were analyzed for americium-241. Eight samples were analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at AOC 02-004(g). Table F-2.10-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.10.4.1 Radionuclides in Soil and Fill

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium were detected above their FVs, were detected with no FV/BV, or were detected in samples for which their FVs do not apply, in one or more soil/fill samples.

Americium-241, cesium-137, and plutonium-239/240 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations. Cesium-137 and plutonium-239/240 also were detected in subsurface soil samples for which FVs do not apply. Therefore, americium-241, cesium-137, and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected and has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Strontium-90 was detected in subsurface soil samples for which its FV does not apply. Therefore, strontium-90 is identified as a COPC.

Tritium was detected and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.10.4.2 Radionuclides in Alluvium

Plutonium-239/240 and tritium were detected in subsurface alluvium samples for which no FVs apply. Therefore, plutonium-239/240 and tritium are identified as COPCs.

F-2.10.4.3 Radionuclides in Sediment

Plutonium-239/240 was detected above its FV in one surface sediment sample and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Therefore, plutonium-239/240 is identified as a COPC.

F-2.10.4.4 Radionuclides in Tuff

Tritium was detected and has no FV in tuff for comparison. Therefore, tritium is identified as a COPC.

F-2.10.5 Radionuclide COPCs in All Media at AOC 02-004(g)

The radionuclide COPCs identified for AOC 02-004(g) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium.

F-2.10.6 Nature and Extent of Contamination at AOC 02-004(g)

Fourteen locations were sampled at AOC 02-004(g). The vertical extent of contamination is not defined at 13 of the locations (Tables F-2.10-1, F-2.10-2, and F-2.10-3, and Figures F-2.10-1, F-2.10-2, and F-2.10-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- Nitrate was detected at locations that were sampled at a single depth (surface only).
- PCBs (Aroclor-1254 and Aroclor-1260) were detected at locations that were sampled at a single depth (surface only).
- SVOCs were detected at locations that were sampled at a single depth (surface only).

- Radionuclides (americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, and tritium) were detected at locations that were sampled at a single depth (surface only) or increased in concentration at one or more locations.

Extent is defined for the following:

- The concentrations of perchlorate decreased with depth.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of the detected VOCs decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, PCBs, SVOCs, americium-241, gamma-emitting radionuclides, isotopic plutonium, strontium-90, and tritium.

The lateral extent of contamination for AOC 02-004(g) is not defined except on the north side by the main channel of Los Alamos Creek (Plate 1). Additional sampling is needed to define the lateral extent of metals and radionuclides.

F-2.11 SWMU 02-005, Soil Contamination (Cooling Tower Drift Loss)

Twenty-eight samples (16 soil, 11 alluvium, and 1 tuff), plus 2 field duplicates, were collected in 2007 from 16 locations at SWMU 02-005. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.11.1 Inorganic Chemicals at SWMU 02-005

Twenty-eight samples from SWMU 02-005 were analyzed for anions, cyanide (total), hexavalent chromium, perchlorate, and TAL metals (Table 1.3-3).

Arsenic, cadmium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media. Table F-2.11-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.11.1.1 Inorganic Chemicals in Soil

Cadmium, copper, cyanide (total), hexavalent chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in soil.

Cadmium was not detected above its BV but had DLs above its BV in 15 soil samples. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Copper, lead, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, copper, lead, mercury, and selenium are identified as COPCs.

Cyanide (total) was detected above its BV in one soil sample and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Hexavalent chromium, nitrate and perchlorate were detected in soil samples and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Zinc was detected above its BV in seven soil samples. All sample concentrations are within the range of background concentrations for zinc in soil. Therefore, zinc is not identified as a COPC.

F-2.11.1.2 Inorganic Chemicals in Alluvium

Cadmium, hexavalent chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in alluvium.

Cadmium was not detected above its BV but had DLs above its BV in 11 alluvium samples. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected in alluvium samples and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Lead, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, lead, mercury, and selenium are identified as COPCs.

Zinc was detected above its BV in two alluvium samples, but all sample concentrations are within the range of background concentrations for zinc. Therefore, zinc is not identified as a COPC.

F-2.11.1.3 Inorganic Chemicals in Tuff

Arsenic, cadmium, chromium, iron, manganese, nickel, selenium, and zinc were either detected above their BVs or had DLs above their BVs in tuff samples.

Arsenic, chromium, iron, and manganese were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, arsenic, chromium, iron, and manganese are identified as COPCs.

Cadmium was not detected above its BV but had a DL above its BV in one tuff sample. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Nickel and zinc were detected above their BVs in one tuff sample but did not exceed the range of their respective background concentrations for in tuff. Therefore, nickel and zinc are not identified as COPCs.

Selenium was detected above its BV in one tuff sample. There is no range of background concentrations for selenium in tuff for comparison. Therefore, selenium is identified as a COPC.

F-2.11.2 Inorganic COPCs in All Media at SWMU 02-005

The inorganic COPCs identified for SWMU 02-005 are arsenic, cadmium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nitrate, perchlorate, and selenium.

F-2.11.3 Organic COPCs in All Media at SWMU 02-005

Twenty-six samples from SWMU 02-005 were analyzed for PCBs. Two samples were analyzed for SVOCs, and one sample was analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at SWMU 02-005 are Aroclor-1254, Aroclor-1260, benzo(b)fluoranthene, fluoranthene, pyrene, and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.11-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.11.4 Radionuclides at SWMU 02-005

Twenty-eight samples from SWMU 02-005 were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Americium-241, cesium-137, plutonium-239/240, and tritium were detected above their FVs or were detected with no available or applicable FV in samples from one or more media. Table F-2.11-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.11.4.1 Radionuclides in Soil

Americium-241, cesium-137, plutonium-239/240, and tritium were detected above their FVs or detected with no applicable FV in one or more soil samples.

Americium-241 and plutonium-239/240 were detected above their FVs in one or more surface soil samples and exceeded the range of their respective background (fallout) concentrations in soil. Therefore, americium-241 and plutonium-239/240 are identified as COPCs.

Cesium-137 was detected in one subsurface soil sample for which its FV does not apply. Therefore, cesium-137 is identified as a COPC.

Tritium was detected in two soil samples and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.11.4.2 Radionuclides in Alluvium

Americium-241, cesium-137, plutonium-239/240, and tritium were detected above their FVs or were detected with no applicable FV in one or more alluvium samples.

Americium-241, cesium-137, and plutonium-239/240 were detected in one or more subsurface alluvium samples for which their FVs do not apply. Therefore, americium-241, cesium-137, and plutonium-239/240 are identified as COPCs.

Tritium was detected in five alluvium samples and has no applicable FV in alluvium for comparison. Therefore, tritium is identified as a COPC.

F-2.11.4.3 Radionuclides in Tuff

No radionuclides were detected in the single tuff sample.

F-2.11.5 Radionuclide COPCs in All Media at SWMU 02-005

The radionuclide COPCs identified for SWMU 02-005 are americium-241, cesium-137, plutonium-239/240, and tritium.

F-2.11.6 Nature and Extent of Contamination at SWMU 02-005

Sixteen locations were sampled at SWMU 02-005. The vertical extent of contamination is not defined at 15 of the locations (Tables F-2.11-1, F-2.11-2, and F-2.11-3, and Figures F-2.11-1, F-2.11-2, and F-2.11-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased in depth at one or more locations.
- Cyanide (total), nitrate, and perchlorate were detected at locations that were sampled at a single depth.
- PCBs (Aroclor-1254 and Aroclor-1260) were detected at locations that were sampled at the surface only.
- The concentrations of radionuclides (americium-241, cesium-137, plutonium-239/240 and tritium) increased with depth at one or more locations.

Additional sampling is necessary to define the vertical extent of metals, total cyanide, nitrate, perchlorate, PCBs, americium-241, cesium-137, isotopic plutonium, and tritium.

The lateral extent of contamination for SWMU 02-005 is not defined. Additional sampling will be conducted to the east and west to define the lateral extent of contamination. The north and south sides of the site are constrained by steep slopes, and additional sampling farther north and south may be impracticable.

F-2.12 SWMU 02-006(a), Former French Drain

One hundred four samples (24 soil and 80 tuff), plus 7 field duplicates, were collected in 2003 and 2007 from 20 locations at SWMU 02-006(a). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.12.1 Inorganic Chemicals at SWMU 02-006(a)

One hundred four samples from SWMU 02-006(a) were analyzed for inorganic chemicals. Eighty-eight samples were analyzed for TAL metals and hexavalent chromium. Seventy-two samples were analyzed for anions, cyanide (total), and perchlorate. Sixteen samples were analyzed for total uranium (Table 1.3-3).

Aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), lead, magnesium, nickel, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or

more media at SWMU 02-006(a). Table F-2.12-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.12.1.1 Inorganic Chemicals in Soil

Barium, cadmium, hexavalent chromium, cyanide (total), lead, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more soil samples.

Barium was detected above its BV in one soil sample, but the sample concentration is within the range of background concentrations for barium in soil. Therefore, barium is not identified as a COPC.

Cadmium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Lead, selenium, and zinc were detected above their BVs and exceed the range of their respective background concentrations in soil. Therefore, lead, selenium, and zinc are identified as COPCs.

F-2.12.1.2 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, beryllium, calcium, chromium, hexavalent chromium, copper, cyanide (total), lead, magnesium, nickel, nitrate, perchlorate, and selenium were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more tuff samples.

Aluminum, barium, beryllium, calcium, chromium, copper, lead, magnesium, nickel, and selenium were detected above their BVs, and exceed the range of their respective background concentrations in tuff. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, aluminum, barium, beryllium, calcium, chromium, copper, lead, magnesium, nickel, and selenium are identified as COPCs.

Arsenic was detected above its BV, but all sample concentrations are within the range of background concentrations for arsenic in tuff. Therefore, arsenic is not identified as a COPC.

Cyanide (total) was detected above its BV in two tuff samples and has no range of background concentrations in tuff for comparison. Therefore, cyanide (total) is identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.12.2 Inorganic COPCs in All Media at SWMU 02-006(a)

The inorganic chemicals identified as COPCs for SWMU 02-006(a) are aluminum, barium, beryllium, calcium, chromium, copper, cyanide (total), hexavalent chromium, lead, magnesium, nickel, nitrate, perchlorate, selenium, and zinc.

F-2.12.3 Organic COPCs in All Media at SWMU 02-006(a)

Seventy-two samples from SWMU 02-006(a) were analyzed for PCBs and SVOCs. Sixty samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at SWMU 02-006(a) are Aroclor-1242; Aroclor-1254; Aroclor-1260; 1,4-dichlorobenzene; toluene; and trichloroethene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.12-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.12.4 Radionuclides at SWMU 02-006(a)

Eighty-eight samples from SWMU 02-006(a) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Seventy-two samples were analyzed for americium-241. Sixteen samples were analyzed for technetium-99 (Table 1.3-3).

Cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable FV in samples from one or more media at SWMU 02-006(a). Table F-2.12-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.12.4.1 Radionuclides in Soil

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected and have no FV in one or more soil samples.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs and exceed the range of their respective background (fallout) concentrations in soil. Cesium-137 and strontium-90 also were detected in subsurface samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.12.4.2 Radionuclides in Tuff

Cesium-137, strontium-90, tritium, and uranium-235 were detected above their BVs or were detected with no applicable FV in one or more tuff samples.

Cesium-137, strontium-90, and tritium were detected in tuff samples and have no FVs for comparison. Therefore, cesium-137, strontium-90, and tritium are identified as COPCs.

Uranium-235 was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.12.5 Radionuclide COPCs in All Media at SWMU 02-006(a)

The radionuclides identified as COPCs for SWMU 02-006(a) are cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235.

F-2.12.6 Nature and Extent of Contamination at SWMU 02-006(a)

Twenty locations were sampled at SWMU 02-006(a). The vertical extent of contamination is not defined at 19 of the locations (Tables F-2.12-1, F-2.12-2, and F-2.12-3, and Figures F-2.12-1, F-2.12-2, and F-2.12-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of hexavalent chromium increased with depth at one or more locations.
- The concentrations of perchlorate increased with depth at one or more locations.
- The concentrations of radionuclides (cesium-137, strontium-90, tritium, and uranium-235) increased with depth at one or more locations.

Extent is defined for the following.

- The concentration of nitrate decreased with depth.
- The concentration of PCBs (Aroclor-1242, Aroclor-1254, and Aroclor-1260) decreased with depth.
- The concentrations of detected VOCs decreased with depth.
- The concentrations of plutonium-239/240 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, perchlorate, cesium-137, strontium-90, tritium, and isotopic uranium.

Additional sampling is necessary to define the lateral extent of metals, hexavalent chromium, and tritium.

F-2.13 SWMU 02-006(b), Former Acid Waste Line (OWR Acid Waste Line)

Sixty-five samples (18 soil, 29 alluvium, 3 sediment, and 15 tuff), plus 4 field duplicates, were collected in 2000, 2003, and 2007 from 20 locations at SWMU 02-006(b). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.13.1 Inorganic Chemicals at SWMU 02-006(b)

Sixty-five samples from SWMU 02-005 were analyzed for anions and TAL metals. Sixty-one samples were analyzed for cyanide (total) and perchlorate. Two samples were analyzed for hexavalent chromium and total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc either were detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more media. Table F-2.13-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.13.1.1 Inorganic Chemicals in Soil

Cadmium, hexavalent chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more soil samples.

Cadmium and zinc were detected above their BVs, and cadmium also had DLs above its BV. All sample concentrations and DLs are within the range of their respective background concentrations in soil. Therefore, cadmium and zinc are not identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Lead and mercury were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, lead and mercury are identified as COPCs.

Selenium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for selenium in soil. Therefore, selenium is not identified as a COPC.

F-2.13.1.2 Inorganic Chemicals in Alluvium

Cadmium, calcium, chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Calcium, chromium, lead, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, calcium, chromium, lead, mercury, selenium, and zinc are identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.13.1.3 Inorganic Chemicals in Sediment

Cadmium, lead, mercury, nitrate, selenium, silver, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more sediment samples.

Cadmium was not detected above its BV but had a DL above its BV, which exceeded the range of background concentrations for cadmium in sediment. Therefore, cadmium is identified as a COPC.

Lead, mercury, selenium, silver, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, lead, mercury, selenium, silver, and zinc are identified as COPCs.

Nitrate was detected and has no BV in sediment for comparison. Therefore, nitrate is identified as a COPC.

F-2.13.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, perchlorate, selenium, and vanadium were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected above its BV but had DLs above its BV, which exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Perchlorate was detected and has no BV in tuff for comparison. Therefore, perchlorate is identified as a COPC.

Selenium was detected above its BV and had DLs above its BV. There is no range of background concentrations for selenium in tuff. Therefore, selenium is identified as a COPC.

F-2.13.2 Inorganic COPCs in All Media at SWMU 02-006(b)

The inorganic COPCs identified for SWMU 02-006(b) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

F-2.13.3 Organic COPCs in All Media at SWMU 02-006(b)

Sixty-five samples from SWMU 02-006(b) were analyzed for SVOCs. Sixty-three samples were analyzed for PCBs. Forty-six samples were analyzed for VOCs. Sixteen samples were analyzed for TPH-DRO (Table 1.3-3).

The organic chemicals detected at SWMU 02-006(b) are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;

- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chrysene;
- di-n-butylphthalate;
- dibenz(a,h)anthracene;
- dibenzofuran;
- 1,4-dichlorobenzene;
- diethylphthalate;
- ethylbenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- 4-methyl-2-pentanone;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- phenanthrene;
- pyrene;
- styrene;
- toluene;
- TPH–DRO;
- trichloroethene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene;
- 1,2-xylene; and
- 1,3-xylene+1,4-xylene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.13-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.13.4 Radionuclides at SWMU 02-006(b)

Sixty-five samples from SWMU 02-006(b) were analyzed for gamma-emitting radionuclides, isotopic plutonium, strontium-90, and tritium. Sixty-four samples were analyzed for isotopic uranium. Sixty-one samples were analyzed for americium-241. Two samples were analyzed for technetium-99 (Table 1.3-3).

Cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable FV in samples from one or more media at SWMU 02-006(b). Table F-2.13-3 lists, by sample, the concentrations of radionuclides detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.13.4.1 Radionuclides in Soil

Cesium-137 and strontium-90 were detected in subsurface soil samples for which FVs do not apply. Therefore, cesium-137 and strontium-90 are identified as COPCs.

Tritium was detected and has no applicable FV. Therefore, tritium is identified as a COPC.

F-2.13.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in subsurface alluvium samples for which FVs do not apply. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

F-2.13.4.3 Radionuclides in Sediment

Plutonium-239/240 and tritium were detected above their FVs and exceeded the range of their respective background (fallout) concentrations in sediment. Therefore, plutonium-239/240 and tritium are identified as COPCs.

Uranium-234 and uranium-235 were detected above their BVs. There is no range of background concentrations for either uranium-234 or uranium-235 in sediment. Therefore, uranium-234 and uranium-235 are identified as COPCs.

F-2.13.4.4 Radionuclides in Tuff

Plutonium-239/240 and tritium were detected and have no FVs in tuff for comparison. Therefore, plutonium-239/240 and tritium are identified as COPCs.

Uranium-235 was detected above its BV. There is no range of background concentrations for uranium-235. Therefore, uranium-235 is identified as a COPC.

F-2.13.5 Radionuclide COPCs in All Media at SWMU 02-006(b)

The radionuclide COPCs identified for SWMU 02-006(b) are cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235.

F-2.13.6 Nature and Extent of Contamination at SWMU 02-006(b)

Twenty locations were sampled at SWMU 02-006(b). The vertical extent of contamination is not defined at 18 of the locations (Tables F-2.13-1, F-2.13-2, and F-2.13-3, and Figures F-2.13-1, F-2.13-2, and F-2.13-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate and perchlorate increased with depth at one or more locations.

- The concentrations of PCBs (Aroclor-1242, Aroclor-1254, and Aroclor-1260) increased with depth at one or more locations.
- The concentrations of radionuclides (plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235) increased with depth or were detected at locations that were sampled at a single depth.

Extent is defined for the following.

- The concentrations of the detected VOCs decreased with depth.
- The concentrations of the detected SVOCs decreased with depth.
- The concentrations of cesium-137 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, perchlorate, PCBs, isotopic plutonium, strontium-90, tritium, and isotopic uranium.

The lateral extent of contamination for SWMU 02-006(b) is not defined because other sites [AOCs 02-004(a), 02-011(a), and 02-012] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. The southern end of SWMU 02-006(b) terminates at the retaining wall and main channel of Los Alamos Creek.

F-2.14 AOC 02-006(c), Former Drainline (Sewer Line)

Twenty-two samples (7 soil, 11 alluvium, and 4 tuff), plus 1 field duplicate, were collected in 2007 from seven locations at AOC 02-006(c). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.14.1 Inorganic Chemicals at AOC 02-006(c)

Twenty-two samples from AOC 02-006(c) were analyzed for TAL metals, anions, hexavalent chromium, perchlorate, and cyanide (total) (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were either detected above their BVs, detected with no BV, or detected with DLs above their BVs in one or media at AOC 02-006(c). Table F-2.14-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.14.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, hexavalent chromium, copper, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, detected with no BV, or detected with DLs above their BVs in soil.

Cadmium and selenium were not detected above their BVs but had DLs above their BVs. All DLs are within the range of their respective background concentrations in soil. Therefore, cadmium and selenium are not identified as COPCs.

Calcium, copper, and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in soil. Therefore, calcium, copper, and zinc are not identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BV in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Mercury was detected above its BV and exceeded the range of background concentrations for mercury in soil. Therefore, mercury is identified as a COPC.

F-2.14.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, hexavalent chromium, mercury, nitrate, perchlorate, and selenium were either detected above their BVs, detected with no BV, or detected with DLs above their BVs in alluvium.

Cadmium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, chromium, mercury, and selenium are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected in alluvium samples and have no BV for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.14.1.3 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, iron, manganese, nickel, selenium, and vanadium were either detected above their BVs, detected with no BV, or detected with DLs above their BVs in tuff.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV. There is no range of background concentrations for cadmium in tuff. Therefore, cadmium is identified as a COPC.

Hexavalent chromium was detected and has no BV in tuff for comparison. Therefore, hexavalent chromium is identified as a COPC.

Selenium was detected above its BV, and has no range of background concentrations in tuff. Therefore, selenium is identified as a COPC.

F-2.14.2 Inorganic COPCs in All Media at AOC 02-006(c)

The inorganic COPCs identified for AOC 02-006(c) are aluminum, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, and vanadium.

F-2.14.3 Organic COPCs in All Media at AOC 02-006(c)

Twenty-two samples from AOC 02-006(c) were analyzed for PCBs and SVOCs. Six samples were analyzed for TPH-DRO, and 15 samples were analyzed for VOCs (surface samples were not analyzed for VOCs) (Table 1.3-3).

The organic chemicals detected at AOC 02-006(c) are acenaphthene; anthracene; Aroclor-1242; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chrysene; di-n-butylphthalate; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; methylene chloride; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; toluene; and TPH-DRO. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.14-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.14.4 Radionuclides at AOC 02-006(c)

Twenty-two samples from AOC 02-006(c) were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected above their FVs or were detected with no available or applicable FV in samples from one or more media at AOC 02-006(c). Table F-2.14-3 lists, by sample, the concentrations of radionuclides either detected above their FVs or detected with no available or applicable FV.

F-2.14.4.1 Radionuclides in Soil

Cesium-137, plutonium-239/240, strontium-90, and tritium were either detected above their FVs or detected with no available or applicable FV in one or more soil samples.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs, and exceeded the range of their respective background (fallout) concentrations in soil. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected in soil samples and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.14.4.2 Radionuclides in Alluvium

Cesium-137, strontium-90, and tritium were either detected above their FVs or detected with no available or applicable FV in one or more alluvium samples.

Cesium-137 was detected in one subsurface alluvium sample for which its FV does not apply. Therefore, cesium-137 is identified as a COPC.

Strontium-90 was detected above its FV in one surface alluvium sample, and exceeded the range of background (fallout) concentrations for strontium-90. Therefore, strontium-90 is identified as a COPC.

Tritium was detected in alluvium samples and has no applicable FV in alluvium for comparison. Therefore, tritium is identified as a COPC.

F-2.14.4.3 Radionuclides in Tuff

No radionuclides were detected above their BVs/FVs or detected with no available or applicable BV/FV in any tuff samples.

F-2.14.5 Radionuclide COPCs in All Media at AOC 02-006(c)

The radionuclide COPCs identified for AOC 02-006(c) are cesium-137, plutonium-239/240, strontium-90, and tritium.

F-2.14.6 Nature and Extent of Contamination at AOC 02-006(c)

Seven locations were sampled at AOC 02-006(c). The vertical extent of contamination is not defined at these locations (Tables F-2.14-1, F-2.14-2, and F-2.14-3, and Figures F-2.14-1, F-2.14-2, and F-2.14-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of hexavalent chromium increased with depth at one or more locations.
- The concentrations of PCBs increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of nitrate and perchlorate decreased with depth.
- The concentrations of detected SVOCs increased with depth at one or more locations, but all were below their EQLs.
- VOCs were detected infrequently and at low concentrations.
- The concentrations of radionuclides (cesium-137, plutonium-239/240, strontium-90, and tritium) decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, and PCBs.

The lateral extent of contamination for AOC 02-006(c) is not defined because other sites [AOCs 02-003(a), 02-004(a), 02-009(b), 02-010, 02-011(a), and 02-011(b), and Consolidated Unit 02-007-00] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.15 AOC 02-006(d), Former Drainline [Duplicate of AOC 02-006(c)]

AOC 02-006(d) is a duplicate of AOC 02-006(c), which is discussed in section F-2.14.

F-2.16 AOC 02-006(e), Former Sump (OWR Floor Drains and Waste Sump)

Fifty samples (29 soil, 6 alluvium, 3 sediment, and 12 tuff), plus 5 field duplicates, were collected in 2000, 2003, and 2007 from 16 locations at AOC 02-006(e). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.16.1 Inorganic Chemicals at AOC 02-006(e)

Fifty samples from AOC 02-006(e) were analyzed for TAL metals. Forty-four samples were analyzed for anions. Forty-seven samples were analyzed for hexavalent chromium. Forty-one samples were analyzed for perchlorate and cyanide (total). Three samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison in one or more media. Table F-2.16-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.16.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, chromium, hexavalent chromium, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Cadmium was detected above its BV in one sample and had DLs above its BV. The sample concentration and DLs are within the range of background concentrations for cadmium in soil, so cadmium is not identified as a COPC.

Calcium, chromium, mercury, and zinc were detected above their BVs, and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, calcium, chromium, mercury, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BV in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Selenium was not detected above its BV but had DLs above its BV and exceeded the range of background concentrations for selenium in soil. Therefore, selenium is identified as a COPC.

F-2.16.1.2 Inorganic Chemicals in Alluvium

Cadmium, calcium, chromium, hexavalent chromium, copper, mercury, nickel, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Cadmium, copper, nickel, and zinc were detected above their BVs, and cadmium had DLs above its BV. All sample concentrations and DLs are within the range of their respective background concentrations. Therefore, cadmium, copper, nickel, and zinc are not identified as COPCs.

Calcium, chromium, and mercury were detected above their BVs and exceeded the range of their respective background concentrations. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, calcium, chromium, and mercury are identified as COPCs.

Selenium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for selenium. Therefore, selenium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected in alluvium samples and have no BV for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.16.1.3 Inorganic Chemicals in Sediment

Chromium, copper, lead, mercury, selenium, silver, and zinc were detected above their BVs or had DLs above their BVs.

Chromium, lead, mercury, selenium, silver, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, chromium, lead, mercury, selenium, silver, and zinc are identified as COPCs.

Copper was detected above its BV, but all sample concentrations are within the range of background concentrations for copper in sediment. Therefore, copper is not identified as a COPC.

F-2.16.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, iron, manganese, mercury, nickel, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected but had DLs above its BV in 6 of 12 tuff samples and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV in all 12 tuff samples. Cadmium has no range of background concentrations in tuff for comparison, so cadmium is identified as a COPC.

Mercury and selenium were detected above their BVs and has no range of background concentrations in tuff for comparison. Therefore, mercury and selenium are identified as COPCs.

Hexavalent chromium and nitrate were detected in multiple tuff samples and have no BVs in tuff for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

F-2.16.2 Inorganic COPCs in All Media at AOC 02-006(e)

The inorganic chemicals identified as COPCs for AOC 02-006(e) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

F-2.16.3 Organic COPCs in All Media at AOC 02-006(e)

Forty-four samples from AOC 02-006(e) were analyzed for SVOCs. Forty-three samples were analyzed for PCBs. Thirty-two samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-006(e) are

- acenaphthene;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- dibenzofuran;
- 1,4-dichlorobenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- n-nitrosodimethylamine;
- phenanthrene;
- pyrene;
- toluene; and 1,3-xylene + 1,4-xylene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.16-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.16.4 Radionuclides at AOC 02-006(e)

Fifty samples from AOC 02-006(e) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Forty-one samples were analyzed for americium-241. Six samples were analyzed for technetium-99 (Table 1.3-3).

Cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at AOC 02-006(e). Table F-2.16-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.16.4.1 Radionuclides in Soil

Cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235 were either detected above their BVs/FVs or detected with no available or applicable BV/FV in one or more soil samples.

Cesium-137 and plutonium-239/240 were detected above their FVs in one surface soil sample and were detected in subsurface soil samples for which their FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected in five soil samples but has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected in 18 soil samples and has no applicable FV. Therefore, tritium is identified as a COPC.

Uranium-235 was detected above its BV in one soil sample and has no range of background concentrations in soil for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.16.4.2 Radionuclides in Alluvium

Cobalt-60, plutonium-239/240, and tritium were either detected above their BVs/FVs or detected with no available or applicable FV in one or more alluvium samples.

Cobalt-60 was detected in one alluvium sample and has no BV in alluvium for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 and tritium were detected in subsurface alluvium samples for which no FV applies. Therefore, plutonium-239/340 and tritium are identified as COPCs.

F-2.16.4.3 Radionuclides in Sediment

Cobalt-60, plutonium-239/240, and tritium were either detected above their BVs/FVs or detected with no available or applicable FV in one or more sediment samples.

Cobalt-60 was detected in one sediment sample, and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 and tritium were detected above their FVs in surface sediment samples and exceeded the range of their respective background (fallout) concentrations in sediment. Therefore, plutonium-239/240 and tritium are identified as COPCs.

F-2.16.4.4 Radionuclides in Tuff

Plutonium-239/240, tritium, and uranium-235 were either detected above their BVs/FVs or detected with no available or applicable FV in one or more tuff samples.

Plutonium-239/240 and tritium were detected in tuff samples and have no FV in tuff for comparison. Therefore, plutonium-239/240 and tritium are identified as COPCs.

Uranium-235 was detected above its BV in 1 of 12 tuff samples, and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.16.5 Radionuclide COPCs in All Media at AOC 02-006(e)

The radionuclides identified as COPCs for AOC 02-006(e) are cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-235.

F-2.16.6 Nature and Extent of Contamination at AOC 02-006(e)

Sixteen locations were sampled at AOC 02-006(e). The vertical extent of contamination is not defined at 12 of the locations (Tables F-2.16-1, F-2.16-2, and F-2.16-3, and Figures F-2.16-1, F-2.16-2, and F-2.16-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of hexavalent chromium increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- The concentrations of PCBs increased with depth at one or more locations.
- The concentrations of radionuclides (cesium-137, plutonium-239/240, tritium, and uranium-235) increased with depth or were detected at only depth sampled (surface).

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth.
- The concentrations of detected VOCs decreased with depth to less than the EQL.
- The concentrations of SVOCs decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, nitrate, PCBs, gamma-emitting radionuclides, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for AOC 02-006(e) is not defined because other sites [AOCs 02-004(a) and 02-006(b)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.17 Consolidated Unit 02-007-00, Septic System and Soil Contamination

Two hundred sixty-eight samples (119 soil/fill, 88 alluvium, 8 sediment, and 53 tuff), plus 21 field duplicates, were collected in 1995, 2000, and 2007 from 87 locations at Consolidated Unit 02-007-00. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.17.1 Inorganic Chemicals at Consolidated Unit 02-007-00

Two hundred fifty-two samples were analyzed for TAL metals. One hundred ninety-two samples were analyzed for perchlorate and cyanide (total). One hundred ninety-one samples were analyzed for anions. Seventy-five samples were analyzed for hexavalent chromium. Sixty samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, uranium, vanadium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at Consolidated Unit 02-007-00. Table F-2.17-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.17.1.1 Inorganic Chemicals in Soil and Fill

Barium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, magnesium, mercury, nitrate, perchlorate, selenium, silver, uranium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil/fill samples.

Barium, calcium, chromium, copper, iron, lead, mercury, selenium, uranium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, barium, calcium, chromium, copper, iron, lead, mercury, selenium, uranium, and zinc are identified as COPCs.

Cadmium was detected above its BV and had 52 DLs above its BV. One DL exceeded the range of background concentrations for cadmium in soil. Therefore, cadmium is identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) and silver were detected above their BVs and have no range of respective background concentrations in soil for comparison. Therefore, cyanide (total) and silver are identified as COPCs.

Magnesium was detected above its BV, but all sample concentrations are within the range of background concentrations for magnesium in soil. Therefore, magnesium is not identified as a COPC.

F-2.17.1.2 Inorganic Chemicals in Alluvium

Barium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), lead, magnesium, manganese, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Barium, calcium, chromium, copper, lead, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, barium, calcium, chromium, copper, lead, mercury, and selenium are identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV. All sample concentrations are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV and has no range of background concentrations for comparison. Therefore, cyanide (total) is identified as a COPC.

Magnesium, manganese, and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in soil. Therefore, magnesium, manganese, and zinc are not identified as COPCs.

F-2.17.1.3 Inorganic Chemicals in Sediment

Cadmium, hexavalent chromium, iron, lead, mercury, nitrate, selenium, silver, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more sediment samples.

Cadmium, iron, mercury, selenium, silver, and zinc were detected and exceed the range of their respective background concentrations in sediment. Therefore, cadmium, iron, mercury, selenium, silver, and zinc are identified as COPCs.

Hexavalent chromium and nitrate were detected and have no BVs for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

Lead was detected above its BV, but all sample concentrations are within the range of background concentrations for lead in sediment. Therefore, lead is not identified as a COPC.

F-2.17.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, hexavalent chromium, copper, iron, lead, manganese, nickel, nitrate, selenium, silver, uranium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more sediment samples.

Aluminum, antimony, arsenic, barium, beryllium, chromium, copper, iron, manganese, nickel, selenium, silver, uranium, and vanadium were detected above their BVs and exceed the range of their respective background concentrations in tuff. Therefore, aluminum, antimony, arsenic, barium, beryllium, chromium, copper, iron, manganese, nickel, selenium, silver, uranium, and vanadium are identified as COPCs.

Cadmium was not detected but had DLs above its BV. There is no range of background concentrations for cadmium in tuff. Therefore, cadmium is identified as a COPC.

Hexavalent chromium and nitrate were detected and have no BVs for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

Lead was detected above its BV in one tuff sample, but all sample concentrations are within the range of background concentrations for lead in tuff. Therefore, lead is not identified as a COPC.

F-2.17.2 Inorganic COPCs in All Media at Consolidated Unit 02-007-00

The inorganic chemicals identified as COPCs for Consolidated Unit 02-007-00 are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, uranium, vanadium, and zinc.

F-2.17.3 Organic COPCs in All Media at Consolidated Unit 02-007-00

Two hundred forty-one samples were analyzed for SVOCs. One hundred seventy-two samples were analyzed for PCBs. One hundred twenty-five samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at Consolidated Unit 02-007-00 are

- acenaphthene;
- acetone;
- anthracene;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- butylbenzylphthalate;
- chloroform;
- chloromethane;
- chrysene;
- di-n-butylphthalate;
- dibenzofuran;
- 1,4-dichlorobenzene;
- fluoranthene;
- fluorene;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- 4-isopropyltoluene;
- methylene chloride;

- 2-methylnaphthalene;
- naphthalene;
- pentachlorophenol;
- phenanthrene;
- phenol;
- pyrene;
- styrene;
- toluene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- 1,2-xylene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.17-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.17.4 Radionuclides at Consolidated Unit 02-007-00

Two hundred sixty-eight samples were analyzed for radionuclides. Two hundred sixty-seven samples were analyzed for isotopic plutonium, isotopic uranium, strontium-90, and tritium. Two hundred sixty-five samples were analyzed for gamma-emitting radionuclides. One hundred ninety-two samples were analyzed for americium-241. One sample was analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at Consolidated Unit 02-007-00. Table F-2.17-3 lists, by sample, the concentrations of radionuclides detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.17.4.1 Radionuclides in Soil and Fill

Americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 either were detected above their BVs/FVs or were detected with no applicable FV in one or more soil/fill samples.

Americium-241 was detected in subsurface soil samples for which its FV does not apply. Therefore, americium-241 is identified as a COPC.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs and exceed the range of their respective background (fallout) concentrations in soil. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

Uranium-234 and uranium-235 were detected above their BVs and have no range of respective background concentrations in soil for comparison. Therefore, uranium-234 and uranium-235 are identified as COPCs.

F-2.17.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, and uranium-235 either were detected above their BVs/FVs or were detected with no applicable FV in one or more alluvium samples.

Cesium-137, plutonium-238, plutonium-239/240, strontium-90, and tritium were detected in subsurface alluvium samples for which no FVs apply. Therefore, cesium-137, plutonium-238, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-235 was detected above its BV in one alluvium sample and has no range of background concentrations for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.17.4.3 Radionuclides in Sediment

Cesium-137 and plutonium-239/240 were detected above their FVs and exceed the range of their respective background (fallout) concentrations in sediment. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

F-2.17.4.4 Radionuclides in Tuff

Americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 either were detected above their BVs/FVs or were detected with no applicable FV in one or more tuff samples.

Americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium were detected and have no applicable FVs for comparison. Therefore, americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 were detected above their BVs and have no range of respective background concentrations in tuff for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.17.5 Radionuclide COPCs in All Media at Consolidated Unit 02-007-00

The radionuclides identified as COPCs for Consolidated Unit 02-007-00 are americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

F-2.17.6 Nature and Extent of Contamination at Consolidated Unit 02-007-00

Eighty-seven locations were sampled at Consolidated Unit 02-007-00. The vertical extent of contamination is not defined at 63 of the locations (Tables F-2.17-1, F-2.17-2, and F-2.17-3, and Figures F-2.17-1, F-2.17-2, and F-2.17-3). Extent is not defined for the following COPCs,

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate and perchlorate increased with depth at one or more locations.
- The concentrations of PCBs increased with depth at one or more locations.
- The concentrations of SVOCs increased with depth at one or more locations.
- The concentrations of radionuclides increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of detected VOCs decreased with depth or are less than the EQLs in the deepest sample.

Additional sampling is necessary to define the vertical extent of metals, nitrate, perchlorate, PCBs, SVOCs, americium-241, cesium-137, isotopic plutonium, strontium-90, tritium, and isotopic uranium.

The lateral extent of contamination for most of Consolidated Unit 02-007-00 is not defined because other sites [AOCs 02-003(a), 02-003(b), 02-003(e), 02-006(c), 02-011(a), and 02-011(b)] (Plate 1) are located adjacent to it and have similar. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. The lateral extent of contamination is not defined on the west-southwest side of the SWMU 02-009(a) portion of the consolidated unit. Additional sampling is necessary to the west-southwest of SWMU 02-009(a) to define the lateral extent of contamination.

F-2.18 SWMU 02-008(a), Outfall (NPDES-Permitted Cooling Tower Outfall)

Sixteen samples (five soil, seven alluvium, one sediment, and three tuff), plus two field duplicates, were collected in 2000 and 2007 from five locations at SWMU 02-008(a). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.18.1 Inorganic Chemicals at SWMU 02-008(a)

Sixteen samples from SWMU 02-008(a) were analyzed for TAL metals. Fifteen samples were analyzed for anions, cyanide (total), hexavalent chromium, and perchlorate. One sample was analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, manganese, nitrate, selenium, silver, thallium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison in samples from one or more media. Table F-2.18-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.18.1.1 Inorganic Chemicals in Soil

Cadmium, chromium, hexavalent chromium, cyanide (total), nitrate, selenium, thallium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Cadmium was not detected above its BV but had DLs above its BV in three soil samples. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Chromium and zinc were detected above their BVs in soil samples. All sample concentrations are within the range of their respective background concentrations in soil. Therefore, chromium and zinc are not identified as COPCs.

Hexavalent chromium and nitrate were detected in soil samples and have no BVs for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

Cyanide (total) was detected above its BV in one soil sample. There is no range of background concentrations for cyanide (total) in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Selenium was detected above its BV in one soil sample and had DLs above its BV in four soil samples. The sample concentration and DLs exceeded the range of background concentrations for selenium in soil. Therefore, selenium is identified as a COPC.

Thallium was not detected above its BV but had a DL above its BV and exceeded the range of background concentrations in one soil sample. Therefore, thallium is identified as a COPC.

F-2.18.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, hexavalent chromium, copper, lead, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV in seven alluvium samples. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium, copper, lead, selenium, and zinc were detected above their BVs in alluvium samples and exceeded the range of their respective background concentrations. Therefore, chromium, copper, lead, selenium, and zinc are identified as COPCs.

Hexavalent chromium and nitrate were detected in alluvium samples and have no BVs for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

F-2.18.1.3 Inorganic Chemicals in Sediment

Chromium, copper, lead, silver, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one sediment sample.

Chromium, copper, silver, and zinc were detected above their BVs in the single sediment sample and exceeded the range of their respective background concentrations in sediment. Therefore, chromium, copper, silver, and zinc are identified as COPCs.

Lead was detected above its BV in the single sediment sample but did not exceed the range of background concentrations for lead in sediment. Therefore, lead is not identified as a COPC.

F-2.18.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, hexavalent chromium, copper, iron, manganese, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, and vanadium are identified as COPCs.

Antimony was not detected but had DLs above its BV in two tuff samples and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV in three tuff samples. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Hexavalent chromium was detected in one tuff sample and has no BV for comparison. Therefore, hexavalent chromium is identified as a COPC.

Selenium was detected above its BV in two tuff samples and had a DL above its BV in one tuff sample. There is no range of background concentrations for selenium in tuff. Therefore, selenium is identified as a COPC.

F-2.18.2 Inorganic COPCs in All Media at SWMU 02-008(a)

The inorganic chemicals identified as COPCs for SWMU 02-008(a) are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, nitrate, selenium, silver, thallium, vanadium, and zinc.

F-2.18.3 Organic COPCs in All Media at SWMU 02-008(a)

Fifteen samples from SWMU 02-008(a) were analyzed for PCBs and SVOCs. Ten samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at SWMU 02-008(a) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; methylene chloride; phenanthrene; pyrene; styrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.18-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.18.4 Radionuclides at SWMU 02-008(a)

Sixteen samples from SWMU 02-008(a) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Fifteen samples were analyzed for americium-241 (Table 1.3-3).

Cesium-137, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable FV in samples from one or more media at SWMU 02-008(a). Table F-2.18-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable FV.

F-2.18.4.1 Radionuclides in Soil

Plutonium-239/240 and tritium were either detected above their FVs or detected with no available or applicable FV in one or more soil samples.

Plutonium-239/240 was detected above its FV in five soil samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in one soil sample and has no applicable FV for soil. Therefore, tritium is identified as a COPC.

F-2.18.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, and tritium were detected in subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and tritium are identified as COPCs.

F-2.18.4.3 Radionuclides in Sediment

Plutonium-239/240 and tritium were detected above their FVs in one surface sediment sample and exceeded the range of their respective background (fallout) concentrations in sediment. Therefore, plutonium-239/240 and tritium are identified as COPCs.

F-2.18.4.4 Radionuclides in Tuff

Uranium-235 was detected above its BV in one tuff sample. There is no range of background concentrations for uranium-235 in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.18.5 Radionuclide COPCs in All Media at SWMU 02-008(a)

The radionuclides identified as COPCs for SWMU 02-008(a) are cesium-137, plutonium-239/240, tritium, and uranium-235.

F-2.18.6 Nature and Extent of Contamination at SWMU 02-008(a)

Five locations were sampled at SWMU 02-008(a). The vertical extent of contamination is not defined at any of the locations (Tables F-2.18-1, F-2.18-2, and F-2.18-3, and Figures F-2.18-1, F-2.18-2, and F-2.18-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentration of nitrate increased with depth at one location.
- The concentrations of detected SVOCs increased with depth at one or more locations.
- The concentrations of detected VOCs increased with depth at one location.
- The concentrations of radionuclides (cesium-137 and uranium-235) increased with depth at one or more locations.
- Plutonium-239/240 and tritium were detected above their FVs at one location that was sampled only at the surface.

Extent is defined for the following.

- The concentration of hexavalent chromium decreased with depth.
- The concentrations of PCBs decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, SVOCs, gamma-emitting radionuclides, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for SWMU 02-008(a) is not defined because other sites [AOCs 02-004(f) and 02-011(d)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. The lateral extent of contamination is defined on the south side by Los Alamos Creek.

F-2.19 AOC 02-008(c), Outfall (OWR Basement Drain Lines and Outfalls)

Twelve samples (five soil, three alluvium, two sediment, and two tuff), plus two field duplicates, were collected in 1995, 2000, and 2007 from seven locations at AOC 02-008(c). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.19.1 Inorganic Chemicals at AOC 02-008(c)

Eleven samples from AOC 02-008(c) were analyzed for TAL metals and anions. Nine samples were analyzed for cyanide (total) and perchlorate. Two samples were analyzed for total uranium (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-008(c). Table F-2.19-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.19.1.1 Inorganic Chemicals in Soil

Cadmium, copper, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison in one or more soil samples.

Cadmium was not detected above its BV but had DLs above its BV in three soil samples. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Copper, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations in soil. Therefore, copper, mercury, and selenium are identified as COPCs.

Nitrate and perchlorate were detected in two soil samples and have no BV in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Zinc was detected above its BV in one soil sample, but the sample concentration is within the range of background concentrations for zinc in soil. Therefore, zinc is not identified as a COPC.

F-2.19.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, copper, mercury, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no alluvium BV for comparison in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV in two alluvium samples. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium was detected above its BV in one alluvium sample, but all sample concentrations are within the range of background concentrations for chromium. Therefore, chromium is not identified as a COPC.

Copper, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, copper, mercury, selenium, and zinc are identified as COPCs.

Nitrate was detected in one alluvium sample and has no BV in alluvium for comparison. Therefore, nitrate is identified as a COPC.

F-2.19.1.3 Inorganic Chemicals in Sediment

Copper, mercury, silver, and vanadium were detected above their BVs in one or more sediment samples.

Copper, mercury, silver, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, copper, mercury, silver, and vanadium are identified as COPCs.

F-2.19.1.4 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and selenium were detected above their BVs or had DLs above their BVs in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, and nickel were detected above their BVs, and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, and nickel are identified as COPCs.

Selenium was detected above its BV in one tuff sample and had a DL above its BV in one tuff sample. There is no range of background concentrations for selenium in tuff for comparison, so selenium is identified as a COPC.

F-2.19.2 Inorganic COPCs in All Media at AOC 02-008(c)

The inorganic COPCs identified for AOC 02-008(c) are aluminum, arsenic, barium, chromium, copper, iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

F-2.19.3 Organic COPCs in All Media at AOC 02-008(c)

Eleven samples from AOC 02-008(c) were analyzed for SVOCs. Nine samples were analyzed for PCBs, and five samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-008(c) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; 4-isopropyltoluene; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.19-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.19.4 Radionuclides at AOC 02-008(c)

Twelve samples from AOC 02-008(c) were analyzed for isotopic plutonium, isotopic uranium, strontium-90, and tritium. Eleven samples were analyzed for gamma-emitting radionuclides. Nine samples were analyzed for americium-241 (Table 1.3-3).

Cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at AOC 02-008(c). Table F-2.19-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.19.4.1 Radionuclides in Soil

Plutonium-239/240 and tritium were either detected above their FVs or detected with no available or applicable FV in one or more soil samples.

Plutonium-239/240 was detected above its FV in three surface soil samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in one soil sample and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.19.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, and strontium-90 were detected in one or more subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

F-2.19.4.3 Radionuclides in Sediment

Plutonium-239/240 was detected above its FV in two sediment samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Therefore, plutonium-239/240 is identified as a COPC.

F-2.19.4.4 Radionuclides in Tuff

Uranium-235 was detected above its BV in one tuff sample. There is no range of background concentrations for uranium-235 in tuff, so uranium-235 is identified as a COPC.

F-2.19.5 Radionuclide COPCs in All Media at AOC 02-008(c)

The radionuclides identified as COPCs for AOC 02-008(c) are cesium-137, plutonium-239/240, strontium-90, tritium, and uranium-235.

F-2.19.6 Nature and Extent of Contamination at AOC 02-008(c)

Seven locations were sampled at AOC 02-008(c). The vertical extent of contamination is not defined at these locations (Tables F-2.19-1, F-2.19-2, and F-2.19-3, and Figures F-2.19-1, F-2.19-2, and F-2.19-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- Aroclor-1260 was detected above its EQL at one location that was sampled at the surface only.
- SVOCs were detected at one or more locations that were sampled at a single depth.
- Plutonium-239/240 and tritium were detected above their FVs at one or more locations that were sampled at a single depth.
- The concentration of uranium-235 increased with depth at one location.

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth.
- Nitrate was detected in the deepest samples at two locations but was below its EQLs.
- The concentrations of detected VOCs decreased with depth.
- The concentrations cesium-137 and strontium-90 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, PCBs, SVOCs, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for AOC 02-008(c) is not defined because other sites [AOCs 02-003(a), 02-006(c), 02-011(a), and 02-011(b)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.20 AOC 02-009(d), Soil Contamination

Thirty-eight samples (14 soil, 21 alluvium, and 3 tuff), plus 5 field duplicates, were collected in 2000 and 2007 from 12 locations at AOC 02-009(d). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.20.1 Inorganic Chemicals at AOC 02-009(d)

Thirty-eight samples from AOC 02-009(d) were analyzed for TAL metals. Thirty-four samples were analyzed for anions, cyanide (total), and perchlorate. Fourteen samples were analyzed for hexavalent chromium. Nine samples were analyzed for total uranium (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, cyanide (total), iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-009(d). Table F-2.20-1 lists the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.20.1.1 Inorganic Chemicals in Soil

Cadmium, calcium, cyanide (total), mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no soil BV for comparison.

Cadmium and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in soil. Therefore, cadmium and zinc are not identified as COPCs.

Calcium, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at a concentration substantially exceeding the range of background concentrations. Therefore, calcium, mercury, and selenium are identified as COPCs.

Cyanide (total) was not detected above its BV but had a DL above its BV in one soil sample. The DL (0.502 mg/kg) is equivalent to the BV (0.5 mg/kg), so cyanide (total) is not identified as a COPC.

Nitrate and perchlorate were detected and have no BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.20.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, hexavalent chromium, lead, mercury, nitrate, perchlorate, and selenium were detected above their BVs, had DLs above their BVs, or were detected and have no BV in alluvium for comparison.

Cadmium was detected above its BV in one alluvium sample and had DLs above its BV in 18 alluvium samples. The sample concentration and DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Chromium, lead, mercury, and selenium were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, chromium, lead, mercury, and selenium are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BV for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.20.1.3 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, cadmium, chromium, hexavalent chromium, iron, manganese, nickel, nitrate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV in tuff for comparison.

Aluminum, arsenic, barium, chromium, iron, manganese, nickel, selenium, and vanadium were detected above their BVs, and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, iron, manganese, nickel, selenium, and vanadium are identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV in two tuff samples. There is no range of background concentrations for cadmium in tuff, so cadmium is identified as a COPC.

Hexavalent chromium and nitrate were detected and have no BV in tuff for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

F-2.20.2 Inorganic COPCs in All Media at AOC 02-009(d)

The inorganic chemicals identified as COPCs for AOC 02-009(d) are aluminum, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, and vanadium.

F-2.20.3 Organic COPCs in All Media at AOC 02-009(d)

Thirty-eight samples from AOC 02-009(d) were analyzed for SVOCs. Thirty-four samples were analyzed for PCBs. Twenty-three samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-009(d) are acenaphthene; anthracene; Aroclor-1248; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chrysene; di-n-butylphthalate; 1,4-dichlorobenzene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; 4-isopropyltoluene; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; styrene; toluene; and 1,3-xylene + 1,4-xylene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.20-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.20.4 Radionuclides at AOC 02-009(d)

Thirty-eight samples from AOC 02-009(d) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Thirty-four samples were analyzed for americium-241 (Table 1.3-3).

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at AOC 02-009(d). Table F-2.20-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.20.4.1 Radionuclides in Soil

Americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 were either detected above their BVs/FVs or detected with no available or applicable BV/FV in one or more soil samples.

Americium-241 was detected in one subsurface soil sample for which its FV does not apply. Therefore, americium-241 is identified as a COPC.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs in surface soil samples, and exceeded the range of their respective background (fallout) concentrations in soil. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Cobalt-60 was detected in one soil sample and has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected in six soil samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

Uranium-234 and uranium-235 were detected above their BVs in two soil samples. There is no range of background concentrations for uranium isotopes in soil for comparison, so uranium-234 and uranium-235 are identified as COPCs.

F-2.20.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 were either detected above their BVs/FVs or detected with no available or applicable BV/FV in one or more alluvium samples.

Cesium-137, plutonium-239/240, and strontium-90 were detected in subsurface alluvium samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected in alluvium samples and has no applicable FV in alluvium for comparison. Therefore, tritium is identified as a COPC.

Uranium-234 and uranium-235 were detected above their BVs in one alluvium sample. There is no range of background concentrations for uranium isotopes in alluvium for comparison, so uranium-234 and uranium-235 are identified as COPCs.

F-2.20.4.3 Radionuclides in Tuff

Cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235 were either detected above their BVs/FVs or detected with no available or applicable BV/FV in one or more tuff samples.

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in tuff samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-234 and uranium-235 were detected above their BVs in one tuff sample. There is no range of background concentrations for uranium isotopes in tuff for comparison, so uranium-234 and uranium-235 are identified as COPCs.

F-2.20.5 Radionuclide COPCs in All Media at AOC 02-009(d)

The radionuclides identified as COPCs for AOC 02-009(d) are americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, tritium, uranium-234, and uranium-235.

F-2.20.6 Nature and Extent of Contamination at AOC 02-009(d)

Twelve locations were sampled at AOC 02-009(d). The vertical extent of contamination is not defined at any of the locations (Tables F-2.20-1, F-2.20-2, and F-2.20-3, and Figures F-2.20-1, F-2.20-2, and F-2.20-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate and perchlorate increased with depth at one or more locations.
- The concentration of tritium increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of PCBs decreased with depth.
- The concentrations of VOCs decreased with depth, with the exception of 4-isopropyltoluene. Although 4-isopropyltoluene was detected in the deepest sample at location 02-600624, it was not detected deeper at location 02-600623, approximately 20 ft north.
- The concentrations of SVOCs decreased with depth.
- The concentrations of radionuclides (americium-241, cesium-137, cobalt-60, plutonium-239/240, strontium-90, uranium-234, and uranium-235) decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, nitrate, perchlorate, and tritium.

The lateral extent of contamination for AOC 02-009(d) is not defined on the east, south, and west sides because other sites [AOCs 02-004(a), 02-009(b), 02-010, and 02-011(a)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. Extent is not defined on the north side of the site at the northernmost sample locations. Additional sampling is needed to define the lateral extent of contamination on the north side of AOC 02-009(d).

F-2.21 AOC 02-009(e), Duplicate of SWMU 02-009(c)

AOC 02-009(e) is a duplicate of SWMU 02-009(c), which is part of Consolidated Unit 02-007-00. Consolidated Unit 02-007-00 is discussed in section F-2.17.

F-2.22 AOC 02-010, Soil Contamination (Former Chemical Waste Shack)

Sixty-five samples (26 soil, 18 alluvium, and 21 tuff), plus 7 field duplicates, were collected in 2000, 2003, and 2007 from 19 locations at AOC 02-010. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.22.1 Inorganic Chemicals at AOC 02-010

Sixty-five samples from AOC 02-010 were analyzed for TAL metals and anions. Fifty-two samples were analyzed for cyanide (total) and perchlorate. Eight samples were analyzed for hexavalent chromium. Five samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, cyanide (total), iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-010. Table F-2.22-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.22.1.1 Inorganic Chemicals in Soil

Barium, cadmium, calcium, hexavalent chromium, copper, cyanide (total), lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Barium, cadmium, calcium, copper, lead, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at a concentration substantially exceeding the range of background concentrations. Therefore, barium, cadmium, calcium, copper, lead, mercury, selenium, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs in soil for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV, and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

F-2.22.1.2 Inorganic Chemicals in Alluvium

Cadmium, chromium, copper, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Cadmium, chromium, and zinc were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations. Therefore, cadmium, chromium, and zinc are not identified as COPCs.

Copper was not detected above its BV but had a DL above its BV and exceeded the range of background concentrations for copper. Therefore, copper is identified as a COPC.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Selenium was detected above its BV and exceeded the range of background concentrations for selenium. Therefore, selenium is identified as a COPC.

F-2.22.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), iron, manganese, nickel, nitrate, perchlorate, selenium, and vanadium were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, and vanadium are identified as COPCs.

Antimony was not detected but had DLs above its BV and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected above its BV but had DLs above its BV. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Cyanide (total) and selenium were detected above their BVs in QBO and have no range of respective background concentrations in QBO for comparison. Selenium had a DL above its BV in QBT3 and exceeded the range of background concentrations for selenium in QBT3. Therefore, cyanide (total) and selenium are identified as COPCs.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.22.2 Inorganic COPCs in All Media at AOC 02-010

The inorganic chemicals identified as COPCs for AOC 02-010 are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, copper, cyanide (total), hexavalent chromium, iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.22.3 Organic COPCs in All Media at AOC 02-010

Sixty-five samples from AOC 02-010 were analyzed for SVOCs. Fifty-two samples were analyzed for PCBs. Thirty-eight samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-010 are acenaphthene; acetone; anthracene; Aroclor-1248; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chloroform; chrysene; di-n-butylphthalate; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; isopropylbenzene; 4-isopropyltoluene; methylene chloride; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.22-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.22.4 Radionuclides at AOC 02-010

Sixty-five samples from AOC 02-010 were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Fifty-two samples were analyzed for americium-241. Eight samples were analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable FV in samples from one or more media at AOC 02-010. Table F-2.22-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.22.4.1 Radionuclides in Soil

Americium-241, cesium-137, plutonium-239/240, strontium-90, and tritium were either detected above their FVs or detected with no available or applicable FV in one or more soil samples.

Americium-241 was detected in one subsurface soil sample for which its FV does not apply. Therefore, americium-241 is identified as a COPC.

Cesium-137, plutonium-239/240, and strontium-90 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations in soil. They were also detected in subsurface soil samples for which their FVs do not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Tritium was detected in surface and subsurface soil samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

F-2.22.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were either detected above their BVs or detected with no applicable FV in one or more alluvium samples.

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in subsurface samples for which no FVs apply. Therefore, cesium-137, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 were detected above their BVs in one alluvium sample and have no range of respective background concentrations for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.22.4.3 Radionuclides in Tuff

Americium-241, cesium-137, and tritium were detected in tuff samples and have no applicable FVs for comparison. Therefore, americium-241, cesium-137, and tritium are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 were detected above their BVs and have no range of respective background concentrations in tuff for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.22.5 Radionuclide COPCs in All Media at AOC 02-010

The radionuclides identified as COPCs for AOC 02-010 are americium-241, cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

F-2.22.6 Nature and Extent of Contamination at AOC 02-010

Nineteen locations were sampled at AOC 02-010. The vertical extent of contamination is not defined at 16 of the locations (Tables F-2.22-1, F-2.22-2, and F-2.22-3, and Figures F-2.22-1, F-2.22-2, and F-2.22-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations
- PCBs (Aroclor-1254 and Aroclor-1260) were detected at two locations that were sampled at the surface only.
- The concentrations of radionuclides increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth. At location 02-22391, perchlorate was detected in the deepest sample, but the concentration was below its EQL.
- VOCs were detected in the deepest sample at one or more locations, but their concentrations were below their EQLs.
- SVOCs were detected in the deepest samples at locations that were sampled at one depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, nitrate, PCBs, americium-241, cesium-137, strontium-90, tritium, and isotopic uranium.

The lateral extent of contamination for AOC 02-010 is not defined because other sites [AOCs 02-006(c), 02-008(c), 02-009(d), and 02-011(a)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or another. Lateral extent is defined on the south side by the main channel of Los Alamos Creek.

F-2.23 AOC 02-011(a), Storm Drains

One hundred sixty-two samples (68 soil, 46 alluvium, 8 sediment, and 40 tuff), plus 17 field duplicates, were collected in 1995, 2000, 2003, and 2007 from 60 locations at AOC 02-011(a). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.23.1 Inorganic Chemicals at AOC 02-011(a)

One hundred fifty-one samples from AOC 02-011(a) were analyzed for TAL metals. One hundred twenty-two samples were analyzed for anions, cyanide (total), and perchlorate. Ninety samples were analyzed for hexavalent chromium. Five samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, cobalt, copper, cyanide (total), iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-011(a). Table F-2.23-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.23.1.1 Inorganic Chemicals in Soil

Arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, cobalt, copper, cyanide (total), iron, lead, mercury, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more soil samples.

Arsenic, barium, cadmium, calcium, cobalt, copper, iron, lead, mercury, vanadium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, arsenic, barium, cadmium, calcium, cobalt, copper, iron, lead, mercury, vanadium, and zinc are identified as COPCs.

Chromium was detected above its BV in one soil sample, but all sample concentrations are within the range of background concentrations for chromium in soil. Therefore, chromium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Cyanide (total) was detected above its BV and has no range of background concentrations in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Selenium was not detected above its BV but had DLs above its BV and exceeded the range of background concentrations for selenium in soil. Therefore, selenium is identified as a COPC.

F-2.23.1.2 Inorganic Chemicals in Alluvium

Barium, cadmium, chromium, hexavalent chromium, copper, lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more alluvium samples.

Barium, chromium, lead, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, barium, chromium, lead, mercury, selenium, and zinc are identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Copper was not detected above its BV but had a DL above its BV and exceeded the range of background concentrations for copper. Therefore, copper is identified as a COPC.

F-2.23.1.3 Inorganic Chemicals in Sediment

Cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc are identified as COPCs.

F-2.23.1.4 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, hexavalent chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV for comparison in one or more tuff samples.

Aluminum, antimony, arsenic, barium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, vanadium, and zinc were detected above their BVs in tuff samples and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, antimony, arsenic, barium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, vanadium, and zinc are identified as COPCs.

Cadmium was not detected above its BV but had DLs above its BV. There is no range of background concentrations for cadmium in tuff. Therefore, cadmium is identified as a COPC.

Mercury and selenium were detected above their BVs and have no range of respective background concentrations in tuff for comparison. Therefore, mercury and selenium are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BVs for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

F-2.23.2 Inorganic COPCs in All Media at AOC 02-011(a)

The inorganic chemicals identified as COPCs for AOC 02-011(a) are aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), hexavalent chromium, iron, lead, magnesium, manganese, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc.

F-2.23.3 Organic COPCs in All Media at AOC 02-011(a)

One hundred twenty-six samples from AOC 02-011(a) were analyzed for SVOCs. One hundred twenty-three samples were analyzed for PCBs. Eighty-six samples were analyzed for VOCs. Forty-three samples were analyzed for dioxins/furans. Twenty-eight samples were analyzed for TPH-DRO. Three samples were analyzed for pesticides/PCBs (Table 1.3-3).

The organic chemicals detected at AOC 02-011(a) are

- acenaphthene;
- anthracene;
- Aroclor-1242;
- Aroclor-1248;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- chloroform;
- chrysene;
- di-n-butylphthalate;
- fluoranthene;
- fluorene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;

- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- isopropylbenzene;
- 4-isopropyltoluene;
- methylene chloride;
- 2-methylnaphthalene;
- naphthalene;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran;
- toluene;
- TPH-DRO;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- 1,2-xylene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.23-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.23.4 Radionuclides at AOC 02-011(a)

One hundred fifty-eight samples from AOC 02-011(a) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. One hundred twenty-two samples were analyzed for americium-241. Twenty-four samples were analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-134, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in samples from one or more media at AOC 02-011(a). Table F-2.23-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.23.4.1 Radionuclides in Soil

Americium-241, cesium-137, cobalt-60, plutonium-239/240, and tritium either were detected above their BVs/FVs or were detected with no applicable FV in one or more soil samples.

Americium-241 and plutonium-239/240 were detected above their FVs in surface soil samples and exceeded the range of their respective background (fallout) concentrations in soil. Therefore, americium-241 and plutonium-239/240 are identified as COPCs.

Cesium-137 was detected in subsurface soil samples for which its FV does not apply. Therefore, cesium-137 is identified as a COPC.

Cobalt-60 was detected and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Tritium was detected and has no applicable FV in soil for comparison. Therefore, tritium is identified as a COPC.

F-2.23.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no applicable FV in one or more alluvium samples.

Cesium-137, plutonium-239/240, and tritium were detected in subsurface samples for which no FVs apply. Therefore, cesium-137, plutonium-239/240, and tritium are identified as COPCs.

Uranium-235 was detected above its BV in one alluvium sample and has no range of background concentrations for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.23.4.3 Radionuclides in Sediment

Cobalt-60, plutonium-239/240, tritium, and uranium-234 were detected above their BVs/FVs or were detected with no applicable FV in one or more sediment samples.

Cobalt-60 was detected and has no BV for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 and tritium were detected above their FVs in surface sediment samples and exceeded the range of their respective background (fallout) concentrations in sediment. Both were also detected in subsurface samples for which their FVs do not apply. Therefore, plutonium-239/240 and tritium are identified as COPCs.

Uranium-234 was detected above its BV in one sediment sample and exceeded the range of background concentrations for uranium-234 in sediment. Therefore, uranium-234 is identified as a COPC.

F-2.23.4.4 Radionuclides in Tuff

Cesium-134, cesium-137, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs or were detected with no applicable FV in one or more sediment samples.

Cesium-134, cesium-137, plutonium-239/240, and tritium were detected and have no FVs in tuff for comparison. Therefore, cesium-134, cesium-137, plutonium-239/240, and tritium are identified as COPCs.

Uranium-235 was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, uranium-235 is identified as a COPC.

F-2.23.5 Radionuclide COPCs in All Media at AOC 02-011(a)

The radionuclides identified as COPCs for AOC 02-011(a) are americium-241, cesium-134, cesium-137, cobalt-60, plutonium-239/240, tritium, uranium-234, and uranium-235.

F-2.23.6 Nature and Extent of Contamination at AOC 02-011(a)

Sixty locations were sampled at AOC 02-011(a). The vertical extent of contamination is not defined at 48 of the locations (Tables F-2.23-1, F-2.23-2, and F-2.23-3, and Figures F-2.23-1, F-2.23-2, and F-2.23-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- The concentrations of PCBs (Aroclor-1254 and Aroclor-1260) increased with depth at one or more locations.
- SVOCs were detected at one or more locations that were sampled at the surface only.
- The concentrations of radionuclides (cesium-134, cesium-137, plutonium-239/240, tritium, and uranium-235) increased with depth at one or more locations.

Extent is defined for the following.

- Perchlorate was detected in the deepest sample at one or more locations, but the concentrations were below EQLs.
- VOCs were detected in the deepest sample at one or more locations, but the concentrations were below EQLs.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of americium-241 and cobalt-60 decrease with depth at one or more locations.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, nitrate, PCBs, SVOCs, gamma-emitting radionuclides, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for most of AOC 02-011(a) is not defined because other sites [AOCs 02-009(d), 02-004(a), 02-006(e), 02-004(e), 02-004(f), and 02-008(a)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease, and contamination cannot be identified as being from one site or the other. The lateral extent of contamination on the north side of the site is defined by the steep north slope of Los Alamos Canyon. The lateral extent of contamination is not defined on the west end of the site. Additional sampling is necessary to define the lateral extent on the west side.

F-2.24 AOC 02-011(b), Former Drain Lines

Twenty samples (five soil, three alluvium, five sediment, and seven tuff) were collected in 1995, 2000, and 2007 from eight locations at AOC 02-011(b). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.24.1 Inorganic Chemicals at AOC 02-011(b)

Fourteen samples from AOC 02-011(b) were analyzed for TAL metals. Nine samples were analyzed for anions, cyanide (total), hexavalent chromium, and perchlorate. Five samples were analyzed for total uranium (Table 1.3-3).

Aluminum, arsenic, cadmium, chromium, chromium hexavalent ion, iron, lead, manganese, mercury, nickel, nitrate, selenium, uranium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-011(b). Table F-2.24-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.24.1.1 Inorganic Chemicals in Soil

Cadmium, chromium, hexavalent chromium, nickel, uranium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more soil samples.

Cadmium was not detected above its BV but had a DL above its BV. All DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Chromium and uranium were detected above their BVs and exceeded the range of background concentrations in soil for those analytes. Therefore, chromium and uranium are identified as COPCs.

Hexavalent chromium was detected in one soil sample and has no BV in soil. Therefore, hexavalent chromium is identified as a COPC.

Nickel and zinc were detected above their BVs, but all nickel and zinc sample concentrations are within the range of their respective background concentrations in soil. Therefore, nickel and zinc are not identified as COPCs.

Uranium was detected above its BV in one soil sample and exceeded the range of background concentrations for uranium in soil. Therefore, uranium is identified as a COPC.

F-2.24.1.2 Inorganic Chemicals in Alluvium

Cadmium, hexavalent chromium, manganese, mercury, nitrate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV in two of three alluvium samples. All DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Hexavalent chromium and nitrate were each detected in two of three alluvium samples. Neither hexavalent chromium nor nitrate has a BV for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

Manganese and zinc were detected above their BVs in alluvium samples. All manganese and zinc sample concentrations are within the range of their respective background concentrations. Therefore, manganese and zinc are not identified as COPCs.

Mercury and selenium were detected above their BVs and exceeded the range of background concentrations. Therefore, mercury and selenium are identified as COPCs.

F-2.24.1.3 Inorganic Chemicals in Sediment

Cadmium, hexavalent chromium, lead, mercury, nitrate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more sediment samples.

Cadmium was not detected above its BV but had a DL above its BV in one sediment sample. The DL exceeded the range of background concentrations for cadmium in sediment. Therefore, cadmium is identified as a COPC.

Hexavalent chromium and nitrate were detected in all four sediment samples. Neither hexavalent chromium nor nitrate has a BV for comparison. Therefore, hexavalent chromium and nitrate are identified as COPCs.

Lead was detected above its BV, but all lead sample concentrations are within the range of background concentrations for lead in sediment. Therefore, lead is not identified as a COPC.

Mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in sediment. Therefore, mercury, selenium, and zinc are identified as COPCs.

F-2.24.1.4 Inorganic Chemicals in Tuff

Aluminum, arsenic, cadmium, iron, nickel, and selenium were either detected above their BVs or had DLs above their BVs in one or more tuff samples.

Aluminum and iron were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum and iron are identified as COPCs.

Arsenic and nickel were detected above their BVs in one tuff sample. The sample concentrations of arsenic and nickel are within the range of their respective background concentrations in tuff. Therefore, arsenic and nickel are not identified as COPCs.

Cadmium was not detected but had a DL above its BV in one tuff sample. There is no range of background concentrations for cadmium in tuff, so cadmium is identified as a COPC.

Selenium was detected above its BV in one tuff sample and had a DL above its BV in one tuff sample. The selenium DL exceeded the range of background concentrations for selenium in QBT3, and there is no range of background concentrations for selenium in QBO. Therefore, selenium is identified as a COPC.

F-2.24.2 Inorganic COPCs in All Media at AOC 02-011(b)

The inorganic chemicals identified as COPCs for AOC 02-011(b) are aluminum, cadmium, chromium, hexavalent chromium, iron, mercury, nitrate, selenium, uranium, and zinc.

F-2.24.3 Organic COPCs in All Media at AOC 02-011(b)

Nine samples from AOC 02-011(b) were analyzed for PCBs and SVOCs. Four samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-011(b) are acenaphthene; anthracene; Aroclor-1254; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; bis(2-ethylhexyl)phthalate; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; 2-methylnaphthalene; naphthalene; phenanthrene; and pyrene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.24-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.24.4 Radionuclides at AOC 02-011(b)

Twenty samples from AOC 02-011(b) were analyzed for radionuclides. Nineteen samples were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Nine samples were analyzed for americium-241. One sample was analyzed for technetium-99 (Table 1.3-3).

Americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected and have no BV/FV in samples from one or more media at AOC 02-011(b). Table F-2.24-3 lists, by sample, the concentrations of radionuclides detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.24.4.1 Radionuclides in Soil

Americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in one or more soil samples.

Americium-241, cesium-137, plutonium-238, plutonium-239/240, and strontium-90 each were detected in one or more subsurface soil samples for which FVs do not apply. Therefore, americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90 are identified as COPCs.

Tritium was detected in three soil samples and has no applicable FV for comparison. Therefore, tritium is identified as a COPC.

Uranium-234, uranium-235, and uranium-238 each were detected above their BVs in one soil sample and have no range of background concentrations in soil for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.24.4.2 Radionuclides in Alluvium

Cesium-137, plutonium-239/240, strontium-90, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in one or more alluvium samples.

Cesium-137, plutonium-239/240, and strontium-90 each were detected in one or more subsurface alluvium samples for which FVs do not apply. Therefore, cesium-137, plutonium-239/240, and strontium-90 are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 each were detected above their BVs in one alluvium sample and have no range of background concentrations in alluvium for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.24.4.3 Radionuclides in Sediment

Cesium-137 and plutonium-239/240 were detected above their FVs, or were detected with no available or applicable FV in one or more sediment samples.

Cesium-137 was detected above its FV in one surface sediment sample and exceeded the range of background (fallout) concentrations for cesium-137 in sediment. Therefore, cesium-137 is identified as a COPC.

Plutonium-239/240 was detected above its FV in four surface sediment samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Plutonium-239/240 was also detected in one subsurface sediment sample for which the FV does not apply. Therefore, plutonium-239/240 is identified as a COPC.

F-2.24.4.4 Radionuclides in Tuff

Cesium-137, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable BV/FV in one or more tuff samples.

Cesium-137, plutonium-239/240, strontium-90, and tritium were detected in one or more tuff samples and have no FV in tuff. Therefore, cesium-137, plutonium-239/240, strontium-90, tritium are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 were detected above their BVs in two or more tuff samples and have no range of background concentrations in tuff for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-2.24.5 Radionuclide COPCs in All Media at AOC 02-011(b)

The radionuclides identified as COPCs for AOC 02-011(b) are americium-241, cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

F-2.24.6 Nature and Extent of Contamination at AOC 02-011(b)

Eight locations were sampled at AOC 02-011(b). The vertical extent of contamination is not defined at six of the locations (Tables F-2.24-1, F-2.24-2, and F-2.24-3, and Figures F-2.19-1, F-2.19-2 and F-2.19-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- Nitrate was detected at four locations that were sampled at the surface only.

- PCBs (Aroclor-1254 and Aroclor-1260) were detected at four locations that were sampled at the surface only.
- SVOCs were detected at four locations that were sampled at the surface only.
- Radionuclides (cesium-137, plutonium-239/240, and tritium) were detected or detected above their FVs at one or more locations that were sampled at a single depth.
- The concentrations of tritium, uranium-234, uranium-235, and uranium-238 increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of americium-241, plutonium-238, and strontium-90 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, PCBs, SVOCs, cesium-137, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for part of AOC 02-011(b) is not defined because other sites [AOCs 02-003(a) and 02-003(b)] (Plate 1) adjacent to it have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. Additional sampling to the west and south of the site is necessary to define the lateral extent of contamination.

F-2.25 AOC 02-011(c), Storm Drain (Associated with Former OWR Equipment Building)

Four samples (one soil, two alluvium, and one tuff), plus one field duplicate, were collected in 2007 from one location at AOC 02-011(c). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.25.1 Inorganic Chemicals at AOC 02-011(c)

Four samples from AOC 02-011(c) were analyzed for TAL metals, cyanide (total), anions, and perchlorate (Table 1.3-3).

Aluminum, arsenic, barium, cadmium, iron, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-011(c). Table F-2.25-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.25.1.1 Inorganic Chemicals in Soil

Zinc was detected above its BV in the single soil sample, but the sample concentration is within the range of background concentrations for zinc in soil. Therefore, zinc is not identified as a COPC.

F-2.25.1.2 Inorganic Chemicals in Alluvium

Cadmium, nitrate, perchlorate, and selenium were detected above their BVs, had detection limits above their BVs, or were detected and have no alluvium BV for comparison.

Cadmium was not detected but had DLs above its BV in alluvium samples. The DLs are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Nitrate and perchlorate were detected in alluvium samples, and neither nitrate nor perchlorate has a BV in alluvium for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Selenium was detected above its BV in one alluvium sample and had a DL above its BV in one alluvium sample. Both sample concentrations are within the range of background concentrations for selenium. Therefore, selenium is not identified as a COPC.

F-2.25.1.3 Inorganic Chemicals in Tuff

Aluminum, arsenic, barium, cadmium, iron, and selenium were detected above their BVs or had detection limits above their BVs.

Aluminum, arsenic, barium, and iron were detected above their BVs and exceeded the ranges of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, and iron are identified as COPCs.

Cadmium was not detected but had a DL above its BV. There is no range of background cadmium concentrations in tuff for comparison, so cadmium is identified as a COPC.

Selenium was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, selenium is identified as a COPC.

F-2.25.2 Inorganic COPCs in All Media at AOC 02-011(c)

The inorganic COPCs identified for AOC 02-011(c) are aluminum, arsenic, barium, cadmium, iron, nitrate, perchlorate, and selenium.

F-2.25.3 Organic COPCs in All Media at AOC 02-011(c)

Four samples from AOC 02-011(c) were analyzed for SVOCs, dioxins/furans, and PCBs. Three samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-011(c) are

- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- di-n-butylphthalate;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,4,7,8-hexachlorodibenzodioxin;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;

- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzodioxin;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- pyrene; 2,3,7,8-tetrachlorodibenzodioxin;
- 2,3,7,8-tetrachlorodibenzofuran; and
- toluene.

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.25-2 lists, by sample, the concentrations of all detected organic chemicals.

F-2.25.4 Radionuclides at AOC 02-011(c)

Four samples from AOC 02-011(c) were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Strontium-90 and tritium were detected with no applicable FV. Table F-2.25-3 lists, by sample, the concentrations of radionuclides detected with no applicable FV.

F-2.25.4.1 Radionuclides in Soil

No radionuclides were detected above their BV/FV or were detected with no applicable BV/FV, in the single soil sample.

F-2.25.4.2 Radionuclides in Alluvium

Strontium-90 and tritium were detected in subsurface alluvium samples for which FVs do not apply. Therefore, strontium-90 and tritium are identified as COPCs.

F-2.25.4.3 Radionuclides in Tuff

Tritium was detected in a subsurface tuff sample and has no applicable FV for tuff. Therefore, tritium is identified as a COPC.

F-2.25.5 Radionuclide COPCs in All Media at AOC 02-011(c)

The radionuclides identified as COPCs for AOC 02-011(c) are strontium-90 and tritium.

F-2.25.6 Nature and Extent of Contamination at AOC 02-011(c)

One location was sampled at AOC 02-011(c). The vertical extent of contamination is not defined at this location (Tables F-2.25-1, F-2.25-2, and F-2.25-3, and Figures F-2.18-1, F-2.25-1, and F-2.18-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one location.
- The concentration of tritium increased with depth.

Extent is defined for the following.

- The concentrations of nitrate and perchlorate decreased with depth.
- The concentrations of PCBs decreased with depth.
- The concentrations of detected SVOCs decreased with depth.
- The concentrations of detected VOCs decreased with depth.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentration of strontium-90 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals and tritium.

The lateral extent of contamination for AOC 02-011(c) is not defined because other sites [AOCs 02-004(f), 02-004(b,c,d), and 02-004(e)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other.

F-2.26 AOC 02-011(d), Outfall (NPDES-Permitted OWR Equipment Building Outfall)

Seven samples (four soil, one alluvium, and two sediment) were collected in 1995, 2000, and 2007 from five locations at AOC 02-011(d). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.26.1 Inorganic Chemicals at AOC 02-011(d)

Four samples from AOC 02-011(d) were analyzed for TAL metals. Two samples were analyzed for anions, perchlorate, hexavalent chromium, cyanide (total), and total uranium (Table 1.3-3).

Arsenic, cadmium, calcium, chromium, hexavalent chromium, copper, lead, nitrate, perchlorate, silver, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at AOC 02-011(d). Table F-2.26-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.26.1.1 Inorganic Chemicals in Soil

Chromium, copper, lead, perchlorate, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in soil.

Chromium was detected above its BV but was within the range of background concentrations for chromium in soil. Therefore, chromium is not identified as a COPC.

Copper, lead, and zinc were detected above their BVs, and exceeded the range of their respective background concentrations in soil. Therefore, copper, lead, and zinc are identified as COPCs.

Perchlorate was detected and has no BV in soil for comparison. Therefore, perchlorate is identified as a COPC.

F-2.26.1.2 Inorganic Chemicals in Alluvium

Chromium, hexavalent chromium, copper, lead, nitrate, perchlorate, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in alluvium.

Chromium, copper, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, chromium, copper, and zinc are identified as COPCs.

Hexavalent chromium, nitrate, and perchlorate were detected and have no BV in alluvium for comparison. Therefore, hexavalent chromium, nitrate, and perchlorate are identified as COPCs.

Lead was detected above its BV but did not exceed the range of background concentrations for lead. Therefore, lead is not identified as a COPC.

F-2.26.1.3 Inorganic Chemicals in Sediment

Arsenic, cadmium, calcium, chromium, copper, lead, silver, and zinc were detected above their BVs in sediment.

Arsenic, cadmium, calcium, chromium, copper, lead, silver, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Although a nutrient, calcium was detected at a concentration substantially exceeding the range of background concentrations. Therefore, arsenic, cadmium, calcium, chromium, copper, lead, silver, and zinc are identified as COPCs.

F-2.26.2 Inorganic COPCs in All Media at AOC 02-011(d)

The inorganic COPCs identified for AOC 02-011(d) are arsenic, cadmium, calcium, chromium, hexavalent chromium, copper, lead, nitrate, perchlorate, silver, and zinc.

F-2.26.3 Organic COPCs in All Media at AOC 02-011(d)

Two samples from AOC 02-011(d) were analyzed for PCBs and SVOCs. One sample was analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-011(d) are: acenaphthene, anthracene, Aroclor-1254, Aroclor-1260, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.26-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.26.4 Radionuclides at AOC 02-011(d)

Seven samples from AOC 02-011(d) were analyzed for gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium. Two samples were analyzed for americium-241 (Table 1.3-3).

Cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-234 were detected above their BVs/FVs, had DLs above their BVs/FVs, or were detected and have no BV/FV in samples from one or more media at AOC 02-011(d). Table F-2.26-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.26.4.1 Radionuclides in Soil

Cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-234 were detected above their BVs/FVs, or were detected with no available or applicable BV/FV in one or more soil samples.

Cesium-137 was detected above its FV in one surface soil sample, and was detected in two subsurface soil samples for which the FV does not apply. Therefore, cesium-137 is identified as a COPC.

Cobalt-60 was detected in two of four soil samples, and has no BV in soil for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 was detected above its FV in three surface soil samples, and exceeded the range of background (fallout) concentrations for plutonium-239/240 in soil. Therefore, plutonium-239/240 is identified as a COPC.

Tritium was detected in four of four soil samples, and has no FV in soil for comparison. Therefore, tritium is identified as a COPC.

Uranium-234 was detected above its BV in one of four soil samples, and has no range of background concentrations in soil for comparison. Therefore, uranium-234 is identified as a COPC.

F-2.26.4.2 Radionuclides in Alluvium

Cesium-137, cobalt-60, and plutonium-239/240 were either detected above their BVs/FVs or detected with no available or applicable BV/FV in alluvium.

Cesium-137 and plutonium-239/240 were detected in one subsurface alluvium sample for which their FVs do not apply. Therefore, cesium-137 and plutonium-239/240 are identified as COPCs.

Cobalt-60 was detected in one alluvium sample and has no BV in alluvium for comparison. Therefore, cobalt-60 is identified as a COPC.

F-2.26.4.3 Radionuclides in Sediment

Cobalt-60, plutonium-239/240, and uranium-234 were detected above their BVs/FV or were detected with no available or applicable BV/FV in one or more soil samples.

Cobalt-60 was detected in two sediment samples and has no BV in sediment for comparison. Therefore, cobalt-60 is identified as a COPC.

Plutonium-239/240 was detected above its FV in two sediment samples and exceeded the range of background (fallout) concentrations for plutonium-239/240 in sediment. Therefore, plutonium-239/240 is identified as a COPC.

Uranium-234 was detected above its BV in one sediment sample and exceeded the range of background concentrations for uranium-234 in sediment. Therefore, uranium-234 is identified as a COPC.

F-2.26.5 Radionuclide COPCs in All Media at AOC 02-011(d)

The radionuclides identified as COPCs for AOC 02-011(d) are cesium-137, cobalt-60, plutonium-239/240, tritium, and uranium-234.

F-2.26.6 Nature and Extent of Contamination at AOC 02-011(d)

Five locations were sampled at AOC 02-011(d). The vertical extent of contamination is not defined at two of these locations (Tables F-2.26-1, F-2.26-2, and F-2.26-3, and Figures F-2.18-1, F-2.25-1 and F-2.18-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one location.
- The concentration of hexavalent chromium increased with depth at one location.
- The concentration of nitrate increased with depth at one location.
- Cesium-137, cobalt-60, plutonium-239/240, uranium-234, and tritium were detected or detected above the BV or FVs at one or more locations that were sampled at the surface only.

Extent is defined for the following.

- The concentration of perchlorate decreased with depth.
- The concentrations of SVOCs decreased with depth to below their EQLs.
- VOCs were not detected.
- The concentrations of PCBs decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, hexavalent chromium, nitrate, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for AOC 02-011(d) is not defined because other sites [AOCs 02-004(b,c,d), 02-004(e), and 02-008(a)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. Extent is defined on the south side by the main channel of Los Alamos Creek.

F-2.27 AOC 02-011(e), Outfall [Duplicate of SWMU 02-008(a)]

AOC 02-011(e) is a duplicate of SWMU 02-008(a), which is discussed in section F-2.18.

F-2.28 AOC 02-012, Soil Contamination

Forty-one samples (17 soil/fill, 12 alluvium, and 12 tuff), plus 4 field duplicates, were collected in 2000 and 2007 from 14 locations at AOC 02-012. The samples were analyzed for inorganic chemicals, organic

chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-2.28.1 Inorganic Chemicals at AOC 02-012

Forty-one samples from AOC 02-012 were analyzed for TAL metals. Thirty-five samples were analyzed for anions, cyanide (total), and perchlorate. Six samples were analyzed for total uranium (Table 1.3-3).

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), iron, lead, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media. Table F-2.28-1 lists, by sample, the concentrations of inorganic chemicals detected above their BVs, detected with no BV, or with DLs above their BVs.

F-2.28.1.1 Inorganic Chemicals in Soil

Cadmium, chromium, lead, mercury, nitrate, perchlorate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more soil samples.

Cadmium was detected above its BV and had DLs above its BV in soil samples. All sample concentrations and DLs are within the range of background concentrations for cadmium in soil. Therefore, cadmium is not identified as a COPC.

Chromium and lead were each detected above their BVs in one soil sample. All sample concentrations are within the range of their respective background concentrations in soil. Therefore, chromium and lead are not identified as COPCs.

Mercury, selenium, and zinc were detected above their BVs in soil samples and exceeded the range of their respective background concentrations in soil. Therefore, mercury, selenium, and zinc are identified as COPCs.

Nitrate and perchlorate were detected in soil samples and have no BVs in soil for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.28.1.2 Inorganic Chemicals in Alluvium

Cadmium, copper, mercury, nitrate, perchlorate, selenium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more alluvium samples.

Cadmium was not detected above its BV but had DLs above its BV. All sample concentrations are within the range of background concentrations for cadmium. Therefore, cadmium is not identified as a COPC.

Copper, mercury, selenium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations. Therefore, copper, mercury, selenium, and zinc are identified as COPCs.

Nitrate and perchlorate were detected in alluvium samples and have no BVs in alluvium for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

F-2.28.1.3 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), iron, manganese, nickel, nitrate, selenium, vanadium, and zinc were either detected above their BVs, had DLs above their BVs, or were detected but have no BV in one or more tuff samples.

Aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, vanadium, and zinc were detected above their BVs and exceeded the range of their respective background concentrations in tuff. Therefore, aluminum, arsenic, barium, chromium, copper, iron, manganese, nickel, vanadium, and zinc are identified as COPCs.

Antimony was not detected but had DLs above its BV and exceeded the range of background concentrations for antimony in tuff. Therefore, antimony is identified as a COPC.

Cadmium was not detected but had DLs above its BV. There is no range of background concentrations for cadmium in tuff for comparison. Therefore, cadmium is identified as a COPC.

Cyanide (total) and selenium were detected above their BVs. There is no range of background concentrations for either cyanide (total) or selenium in tuff for comparison. Therefore, cyanide (total) and selenium are identified as COPCs.

Nitrate was detected and has no BV in tuff for comparison. Therefore, nitrate is identified as a COPC.

F-2.28.2 Inorganic COPCs in All Media at AOC 02-012

The inorganic COPCs identified for AOC 02-012 are aluminum, antimony, arsenic, barium, cadmium, chromium, copper, cyanide (total), iron, manganese, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-2.28.3 Organic COPCs in All Media at AOC 02-012

Forty-one samples from AOC 02-012 were analyzed for TPH-DRO. Thirty-five samples were analyzed for SVOCs. Twenty-four samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at AOC 02-011(d) are acenaphthene; anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; chloroform; chrysene; di-n-butylphthalate; dibenzofuran; 1,4-dichlorobenzene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; methylene chloride; 2-methylnaphthalene; naphthalene; phenanthrene; pyrene; TPH-DRO; and trichloroethene. All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-2.28-2 lists, by sample, the concentrations of detected organic chemicals.

F-2.28.4 Radionuclides at AOC 02-012

Thirty-five samples from AOC 02-012 were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, strontium-90, and tritium. Twenty-two samples were analyzed for isotopic uranium (Table 1.3-3).

Americium-241, plutonium-239/240, tritium, and uranium-235 were detected above their BVs/FVs or were detected and have no available or applicable FV in samples from one or more media at AOC 02-012. Table F-2.28-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-2.28.4.1 Radionuclides in Soil

Tritium was detected in soil samples and has no FV. Therefore, tritium is identified as a COPC.

F-2.28.4.2 Radionuclides in Alluvium

Americium-241, plutonium-239/240, and tritium were detected in subsurface alluvium samples for which no FVs apply. Therefore, americium-241, plutonium-239/240, and tritium are identified as COPCs.

F-2.28.4.3 Radionuclides in Tuff

Uranium-235 was detected above its BV in one tuff sample. There is no range of background concentrations for uranium-235 in tuff. Therefore, uranium-235 is identified as a COPC.

F-2.28.5 Radionuclide COPCs in All Media at AOC 02-012

The radionuclides identified as COPCs for AOC 02-0152 are americium-241, plutonium-239/240, tritium, and uranium-235.

F-2.28.6 Nature and Extent of Contamination at AOC 02-012

Fourteen locations were sampled at AOC 02-012. The vertical extent of contamination is not defined at 11 of the locations (Tables F-2.28-1, F-2.28-2, and F-2.28-3, and Figures F-2.28-1, F-2.28-2 and F-2.13-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentration of cyanide (total) increased with depth at one location.
- The concentration of uranium-235 increased with depth at one location.

Extent is defined for the following.

- The concentrations of nitrate and perchlorate decreased with depth.
- The concentrations of the detected VOCs decreased with depth to less than their EQLs.
- The concentrations of the detected SVOCs decreased with depth to less than their EQLs.
- The concentration of TPH decreased with depth.
- The concentrations of radionuclides (americium-241, plutonium-239/240, and tritium) decreased with depth.

Additional sampling is necessary to define the vertical extent of metals and isotopic uranium. Although cyanide (total) was detected above its BV in the deepest sample at one location, it was detected in only 11 of 35 samples at AOC 02-012, and above its BV in only one sample, indicating there has not been a release of cyanide at the site.

The lateral extent of contamination for AOC 02-012 is not defined because other sites [AOCs 02-004(a), 02-006(b) and 02-011(a)] (Plate 1) are located adjacent to it and have similar COPCs. As a result, concentrations do not decrease and contamination cannot be identified as being from one site or the other. Extent is not defined on the north side of the northern tank (former structure 02-067) area because

the northernmost sample location (02-600455) had several COPCs detected (organic chemicals) or detected above background (inorganic chemicals). Additional samples farther to the north are needed to define the lateral extent of contamination, but the steepness of the slope may preclude collection of additional samples.

F-2.29 Nature and Extent of Contamination at TA-02

Data for TA-02 show that the vertical extent of contamination is not defined for all COPCs at any of the individual SWMUs or AOCs or consolidated unit. Therefore, additional sampling is required to define the extent of contamination.

The TA-02 investigation area includes numerous SWMUs and AOCs that are overlapping or adjacent to, one another. Some sites, such as AOCs 02-004(a) and 02-011(a) and Consolidated Unit 02-007-00, consist of distinct noncontiguous components that are distributed across much of the TA-02 investigation area. Other sites, such as AOCs 02-006(e) and 02-010, are surrounded on all sides by one or more SWMUs or AOCs.

F-3.0 TA-21

F-3.1 Consolidated Unit 21-006(e)-99, Seepage Pits

Forty-six samples (3 soil and 43 tuff), plus 5 field duplicates, were collected in 2007 from 15 locations at Consolidated Unit 21-006(e)-99. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-3.1.1 Inorganic Chemicals at Consolidated Unit 21-006(e)-99

Forty-five samples from Consolidated Unit 21-006(e)-99 were analyzed for anions, cyanide (total), perchlorate, and TAL metals (Table 1.3-3).

Aluminum, antimony, arsenic, barium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, mercury, nickel, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at Consolidated Unit 21-006(e)-99. Table F-3.1-1 lists, by sample, the concentrations of inorganic chemicals detected above their BVs, detected with no BV, or with DLs above their BVs.

F-3.1.1.1 Inorganic Chemicals in Soil

Antimony, calcium, cyanide (total), lead, mercury, nitrate, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more soil samples.

Antimony and lead were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in soil. Therefore, antimony and lead are not identified as COPCs.

Calcium, mercury, and zinc were detected above their BVs and exceed the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, calcium, mercury, and zinc are identified as COPCs.

Cyanide (total) was not detected but had DLs above its BV in three soil samples. There is no range of background concentrations for cyanide (total) in soil. Therefore, cyanide (total) is identified as a COPC.

Nitrate was detected and has no BV in soil for comparison. Therefore, nitrate is identified as a COPC.

F-3.1.1.2 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, nickel, nitrate, selenium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more tuff samples.

Aluminum, antimony, barium, calcium, lead, nickel, and selenium were detected above their BVs and exceed the range of their respective background concentrations in tuff. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, aluminum, antimony, barium, calcium, lead, nickel, and selenium are identified as COPCs.

Arsenic, chromium, magnesium, and manganese were detected above their BVs, but all sample concentrations are within the range of their respective background concentrations in tuff. Therefore, arsenic, chromium, magnesium, and manganese are not identified as COPCs.

Cobalt was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, cobalt is identified as a COPC.

Copper was detected above its BV and had DLs above its BV. Several DLs exceed the range of background concentrations for copper in tuff. Therefore, copper is identified as a COPC.

Cyanide (total) was not detected above its BV but had DLs above its BV. There is no range of background concentrations for cyanide (total) in tuff. Therefore, cyanide (total) is identified as a COPC.

Nitrate was detected and has no BV for comparison. Therefore, nitrate is identified as a COPC.

Zinc was not detected above its BV but had DLs above its BV that exceed the range of background concentrations for zinc in tuff. Therefore, zinc is identified as a COPC.

F-3.1.2 Inorganic COPCs in All Media at Consolidated Unit 21-006(e)-99

The inorganic chemicals identified as COPCs for Consolidated Unit 21-006(e)-99 are aluminum, antimony, barium, calcium, cobalt, copper, cyanide (total), lead, mercury, nickel, nitrate, selenium, and zinc.

F-3.1.3 Organic COPCs in All Media at Consolidated Unit 21-006(e)-99

Forty-six samples from Consolidated Unit 21-006(e)-99 were analyzed for organic chemicals. Forty-five samples were analyzed for SVOCs and VOCs. One sample was analyzed for dioxins/furans, explosive compounds, and PCBs (Table 1.3-3).

The organic chemicals detected at Consolidated Unit 21-006(e)-99 are

- acetone;
- anthracene;
- Aroclor-1254;

- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- bis(2-ethylhexyl)phthalate;
- n-butylbenzene;
- chrysene;
- di-n-butylphthalate;
- 1,2-dichlorobenzene;
- 1,3-dichlorobenzene;
- 1,4-dichlorobenzene;
- ethylbenzene;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzodioxin;
- 1,2,3,7,8,9-hexachlorodibenzodioxin;
- 1,2,3,4,7,8-hexachlorodibenzofuran;
- 1,2,3,6,7,8-hexachlorodibenzofuran;
- 1,2,3,7,8,9-hexachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 1,2,3,7,8-pentachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;

- toluene;
- 1,2,4-trimethylbenzene;
- 1,3,5-trimethylbenzene; and
- xylene (total).

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-3.1-2 lists, by sample, the concentrations of detected organic chemicals.

F-3.1.4 Radionuclides at Consolidated Unit 21-006(e)-99

Forty-five samples from Consolidated Unit 21-006(e)-99 were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Americium-241, cesium-134, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs/FVs or were detected and have no available or applicable FV in samples from one or more media at Consolidated Unit 21-006(e)-99. Table F-3.1-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-3.1.4.1 Radionuclides in Soil

Americium-241, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs or were detected and have no applicable FV in one or more soil samples.

Americium-241, cesium-137, plutonium-238, plutonium-239/240, and tritium were detected in subsurface soil samples for which no FVs apply. Therefore, americium-241, cesium-137, plutonium-238, plutonium-239/240, and tritium are identified as COPCs.

Uranium-234 and uranium-235 were detected above their BVs and have no range of respective background concentrations in soil for comparison. Therefore, uranium-234 and uranium-235 are identified as COPCs.

F-3.1.4.2 Radionuclides in Tuff

Americium-241, cesium-134, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs or were detected and have no applicable FV in one or more tuff samples.

Americium-241, cesium-134, plutonium-238, plutonium-239/240, and tritium were detected and have no FVs in tuff for comparison. Therefore, americium-241, cesium-134, plutonium-238, plutonium-239/240, and tritium are identified as COPCs.

Uranium-234 and uranium-235 were detected above their BVs and have no range of respective background concentrations in tuff for comparison. Therefore, uranium-234 and uranium-235 are identified as COPCs.

F-3.1.5 Radionuclide COPCs in All Media at Consolidated Unit 21-006(e)-99

The radionuclides identified as COPCs for Consolidated Unit 21-006(e)-99 are americium-241, cesium-134, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235.

F-3.1.6 Nature and Extent of Contamination at Consolidated Unit 21-006(e)-99

Fifteen locations were sampled at Consolidated Unit 21-006(e)-99. The vertical extent of contamination is not defined at any of the locations (Tables F-3.1-1, F-3.1-2, and F-3.1-3, and Figures F-3.1-1, F-3.1-2, and F-3.1-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- PCBs (Aroclor-1254 and Aroclor-1260) were detected in the only sample analyzed for PCBs.
- One SVOC (di-n-butylphthalate) was detected in the deepest sample at one location.
- The concentrations of VOCs increased or did not change with depth at one or more locations.
- The concentrations of plutonium-239/240 did not change or increased with depth at one or more locations.
- The concentrations of tritium did not change or increased with depth at one or more locations.
- The concentrations of uranium-234 and uranium-235 did not change or increased with depth at one or more locations.
- The concentrations of plutonium-238 and plutonium-239/240 did not change or increased with depth at one or more locations.

Extent is defined for the following.

- Cyanide (total) was not detected.
- Perchlorate was not detected.
- Explosive compounds were not detected.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).
- The concentrations of americium-241 decreased with depth.
- The concentrations of cesium-134 and cesium-137 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, nitrate, PCBs, SVOCs, VOCs, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for Consolidated Unit 21-006(e)-99 is not defined. Additional sampling, particularly on the south and east sides of the site, is necessary to define the lateral extent of metals, nitrate, PCBs, dioxins/furans, SVOCs, VOCs, isotopic plutonium, isotopic uranium, and tritium.

F-3.2 AOC 21-028(c), Storage Areas

Fifty-two samples (13 soil and 39 tuff), plus 4 field duplicates, were collected in 2007 from 17 locations at AOC 21-028(c). The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-3.2.1 Inorganic Chemicals at AOC 21-028(c)

Fifty-one samples from AOC 21-028(c) were analyzed for anions, cyanide (total), TAL metals, and perchlorate (Table 1.3-3).

Aluminum, antimony, arsenic, barium, calcium, chromium, cobalt, copper, cyanide (total), iron, lead, magnesium, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc were detected above their BVs, had DLs above their BVs or were detected and have no BV in samples from one or more media at AOC 21-028(c). Table F-3.2-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-3.2.1.1 Inorganic Chemicals in Soil

Antimony, calcium, copper, cyanide (total), lead, mercury, nitrate, perchlorate, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more soil samples.

Antimony, calcium, lead, mercury, and vanadium were detected above their BVs and exceed the range of their respective background concentrations in soil. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, antimony, calcium, lead, mercury, and vanadium are identified as COPCs.

Copper was not detected above its BV but had one DL above its BV. The DL is within the range of background concentrations for copper in soil. Therefore, copper is not identified as a COPC.

Cyanide (total) was not detected above its BV but had nine DLs above its BV. There is no range of background concentrations for cyanide (total) in soil for comparison. Therefore, cyanide (total) is identified as a COPC.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Zinc was not detected above its BV but had eight DLs above its BV and exceeds the range of background concentrations for zinc in soil. Therefore, zinc is identified as a COPC.

F-3.2.1.2 Inorganic Chemicals in Tuff

Aluminum, antimony, arsenic, barium, calcium, chromium, cobalt, copper, cyanide (total), iron, lead, magnesium, mercury, nickel, nitrate, perchlorate, selenium, silver, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more tuff samples.

Aluminum, antimony, barium, calcium, chromium, copper, iron, and vanadium were detected above their BVs and exceed the range of their respective background concentrations in tuff. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, aluminum, antimony, barium, calcium, chromium, copper, iron, and vanadium are identified as COPCs.

Arsenic was detected above its BV in one tuff sample, but all sample concentrations are within the range of background concentrations for arsenic in tuff. Therefore, arsenic is not identified as a COPC.

Cobalt and mercury were detected above their BVs and have no range of respective background concentrations in tuff. Therefore, cobalt and mercury are identified as COPCs.

Cyanide (total) was not detected but had DLs above its BV. There is no range of background concentrations for cyanide (total) in tuff. Therefore, cyanide (total) is identified as a COPC.

Lead, nickel, selenium, and zinc were not detected above their BVs but had DLs above their BVs, and exceed the range of their respective background concentrations in tuff. Therefore, lead, nickel, selenium, and zinc are identified as COPCs.

Magnesium was detected above its BV, but all sample concentrations are within the range of background concentrations for magnesium in tuff. Therefore, magnesium is not identified as a COPC.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Silver was detected above its BV in one tuff sample, but all sample concentrations are within the range of background concentrations for silver in tuff. Therefore, silver is not identified as a COPC.

F-3.2.2 Inorganic COPCs in All Media at AOC 21-028(c)

The inorganic chemicals identified as COPCs for AOC 21-028(c) are aluminum, antimony, barium, calcium, chromium, cobalt, copper, cyanide (total), iron, lead, mercury, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-3.2.3 Organic COPCs in All Media at AOC 21-028(c)

Fifty-two samples from AOC 21-028(c) were analyzed for organic chemicals. Fifty-one samples were analyzed for SVOCs. Forty-nine samples were analyzed for VOCs. One sample was analyzed for dioxins/furans, explosive compounds, and PCBs (Table 1.3-3).

The organic chemicals detected at AOC 21-028(c) are

- acetone;
- anthracene;
- Aroclor-1254;
- Aroclor-1260;
- benzo(a)anthracene;
- benzo(a)pyrene;
- benzo(b)fluoranthene;
- benzo(g,h,i)perylene;
- benzo(k)fluoranthene;
- benzoic acid;
- bis(2-ethylhexyl)phthalate;
- bromobenzene;
- butylbenzylphthalate;
- chrysene;

- 1,2-dichlorobenzene;
- 1,3-dichlorobenzene;
- ethylbenzene;
- fluoranthene;
- 1,2,3,4,6,7,8-heptachlorodibenzodioxin;
- 1,2,3,4,6,7,8-heptachlorodibenzofuran;
- 1,2,3,4,7,8,9-heptachlorodibenzofuran;
- 2,3,4,6,7,8-hexachlorodibenzofuran;
- indeno(1,2,3-cd)pyrene;
- 4-isopropyltoluene;
- methylene chloride;
- 1,2,3,4,6,7,8,9-octachlorodibenzodioxin;
- 1,2,3,4,6,7,8,9-octachlorodibenzofuran;
- 2,3,4,7,8-pentachlorodibenzofuran;
- phenanthrene;
- pyrene;
- 2,3,7,8-tetrachlorodibenzofuran;
- tetrachloroethene;
- toluene;
- 1,2,4-trimethylbenzene; and
- xylene (total).

All detected organic chemicals, regardless of media or concentration, are identified as COPCs. Table F-3.2-2 lists, by sample, the concentrations of detected organic chemicals.

F-3.2.4 Radionuclides at AOC 21-028(c)

Fifty-one samples from AOC 21-028(c) were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Americium-241, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs/FVs or were detected and have no available or applicable FV in samples from one or more media at AOC 02-012. Table F-3.2-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable BV/FV.

F-3.2.4.1 Radionuclides in Soil

Americium-241, cesium-137, plutonium-238, plutonium-239/240, tritium, and uranium-234 were detected above their BV or were detected and have no applicable FV in one or more soil samples.

Americium-241, cesium-137, plutonium-238, plutonium-239/240, and tritium were detected in subsurface soil samples for which their FVs do not apply. Therefore, americium-241, cesium-137, plutonium-238, plutonium-239/240, and tritium are identified as COPCs.

Uranium-234 was detected above its BV in two soil samples and has no range of background concentrations in soil for comparison. Therefore, uranium-234 is identified as a COPC.

F-3.2.4.2 Radionuclides in Tuff

Americium-241, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235 were detected above their BVs or were detected and have no applicable FV in one or more tuff samples.

Americium-241, plutonium-238, plutonium-239/240, and tritium were detected and have no FVs in tuff for comparison. Therefore, americium-241, plutonium-238, plutonium-239/240, and tritium are identified as COPCs.

Uranium-234 and uranium-235 were detected above their BVs. There is no range of background concentrations for either uranium-234 or uranium-235 in tuff (QBT3) for comparison. Therefore, uranium-234 and uranium-235 are identified as COPCs.

F-3.2.5 Radionuclide COPCs in All Media at AOC 21-028(c)

The radionuclides identified as COPCs for AOC 21-028(c) are americium-241, cesium-137, plutonium-238, plutonium-239/240, tritium, uranium-234, and uranium-235.

F-3.2.6 Nature and Extent of Contamination at AOC 21-028(c)

Seventeen locations were sampled at AOC 21-028(c). The vertical extent of contamination is not defined for all COPCs at any of the locations (Tables F-3.2-1, F-3.2-2, and F-3.2-3, and Figures F-3.2-1, F-3.2.-2, and F-3.2-3). Extent is not defined for the following COPCs.

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentrations of nitrate increased with depth at one or more locations.
- PCBs (Aroclor-1254 and Aroclor-1260) were detected in the only sample analyzed for PCBs (2-3 ft bgs at location 21-601070).
- The concentrations of the detected VOCs increased with depth at one or more locations.
- The concentrations of radionuclides (americium-241, plutonium-238, plutonium-239/240, tritium, and uranium-234) increased with depth at one or more locations.

Extent is defined for the following.

- The concentrations of perchlorate decreased with depth.
- The concentrations of the detected SVOCs decreased with depth to below their EQLs.
- Dioxin/furan congeners were detected at very low concentrations. The detected congeners and concentrations are similar to those detected at TA-21 during the DP Site Aggregate Area investigation (LANL 2007, 099175). Concentrations were reviewed by NMED and determined to not warrant additional sampling for dioxins/furans (LANL 2007, 099175).

- The concentration of cesium-137 decreased with depth.

Additional sampling is necessary to define the vertical extent of TAL metals, nitrate, PCBs, VOCs, americium-241, isotopic plutonium, tritium, and isotopic uranium.

The lateral extent of contamination for AOC 21-028(c) is not defined. Additional sampling is necessary to define the lateral extent of metals, americium-241, isotopic plutonium, tritium, and isotopic uranium on all sides of the site. Additional sampling on the north side of the site is necessary to define the lateral extent of PCBs.

F-4.0 TA-26

The investigation of TA-26 included four SWMUs [SWMUs 26-001, 26-002(a), 26-002(b), and 26-003]. Because of their proximity to one another, the approved work plan (LANL 2006, 092571) proposed activities for TA-26 as a single site. During the 2007 investigation activities, all TA-26 samples were collected and assigned to SWMU 26-001. In the data review sections below, all TA-26 data are discussed together. This approach reflects the proximity of the sites and the fact that all the SWMUs had a common origin. SWMUs 26-002(a), 26-002(b), and 26-003 originated directly from the storage vault, and SWMU 26-001 is a disposal area created by the demolition of the storage vault and related structures.

F-4.1 TA-26, Surface Disposal Site, Soil Contamination, Drainline, and Septic Tank

Ninety-five tuff samples, plus eight field duplicates, were collected in 2007 from 39 locations at TA-26. The samples were analyzed for inorganic chemicals, organic chemicals, and radionuclides. Table 1.3-3 lists the samples collected and the analyses requested for each.

F-4.1.1 Inorganic Chemicals at TA-26

Ninety-five samples from TA-26 were analyzed for anions, cyanide (total), TAL metals, and perchlorate (Table 1.3-3).

Antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, thallium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in samples from one or more media at TA-26. Table F-4.1-1 lists, by sample, the concentrations of inorganic chemicals either detected above their BVs, detected with no BV, or with DLs above their BVs.

F-4.1.1.1 Inorganic Chemicals in Tuff

Antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, thallium, vanadium, and zinc were detected above their BVs, had DLs above their BVs, or were detected and have no BV in one or more tuff samples at TA-26.

Antimony, arsenic, barium, cadmium, calcium, chromium, copper, lead, magnesium, manganese, nickel, selenium, vanadium, and zinc were detected above their BVs and exceed the range of their respective background concentrations in tuff. Although a nutrient, calcium was detected at concentrations substantially exceeding the range of background concentrations. Therefore, antimony, arsenic, barium, cadmium, calcium, chromium, copper, lead, magnesium, manganese, nickel, selenium, vanadium, and zinc are identified as COPCs.

Cobalt was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, cobalt is identified as a COPC.

Cyanide (total) was detected above its BV and has no range of background concentrations in tuff for comparison. Therefore, cyanide (total) is identified as a COPC.

Nitrate and perchlorate were detected and have no BVs for comparison. Therefore, nitrate and perchlorate are identified as COPCs.

Thallium was not detected above its BV but had one DL above its QBT3 BV. The DL is within the range of background concentrations for thallium in tuff. Therefore, thallium is not identified as a COPC.

F-4.1.2 Inorganic COPCs in All Media at TA-26

The inorganic chemicals identified as COPCs for TA-26 are antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide (total), lead, magnesium, manganese, nickel, nitrate, perchlorate, selenium, vanadium, and zinc.

F-4.1.3 Organic COPCs in All Media at TA-26

Ninety-five samples from TA-26 were analyzed for explosive compounds, PCBs, and SVOCs. Ninety-three samples were analyzed for VOCs (Table 1.3-3).

The organic chemicals detected at TA-26 are acetone; Aroclor-1248; Aroclor-1260; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; chrysene; fluoranthene; 2-hexanone; 4-isopropyltoluene; phenanthrene; pyrene; and toluene. All detected organic chemicals, regardless of media or concentration or concentration, are identified as COPCs. Table F-4.1-2 lists, by sample, the concentrations of detected organic chemicals.

F-4.1.4 Radionuclides at TA-26

Ninety-five samples from TA-26 were analyzed for americium-241, gamma-emitting radionuclides, isotopic plutonium, isotopic uranium, strontium-90, and tritium (Table 1.3-3).

Cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238 were detected above their BVs/FVs or were detected with no available or applicable FV in samples from one or more media at TA-26. Table F-4.1-3 lists, by sample, the concentrations of radionuclides either detected above their BVs/FVs or detected with no available or applicable FV.

F-4.1.4.1 Radionuclides in Tuff

Cesium-137, plutonium-238, plutonium-239/240, strontium-90, and tritium were detected and have no FVs for comparison. Therefore, cesium-137, plutonium-238, plutonium-239/240, strontium-90, and tritium are identified as COPCs.

Uranium-234, uranium-235, and uranium-238 were detected above their BVs and have no range of respective background concentrations for comparison. Therefore, uranium-234, uranium-235, and uranium-238 are identified as COPCs.

F-4.1.5 Radionuclide COPCs in All Media at TA-26

The radionuclides identified as COPCs for TA-26 are cesium-137, plutonium-238, plutonium-239/240, strontium-90, tritium, uranium-234, uranium-235, and uranium-238.

F-4.1.6 Nature and Extent of Contamination at TA-26

Thirty-nine locations were sampled at TA-26. The vertical extent of contamination is not completely defined for any of the locations (Tables F-4.1-1, F-4.1-2, and F-4.1-3, and Figures F-4.1-1, F-4.1-2, and F-4.1-3). Extent is not defined for the following COPCs/

- The concentrations of metals were above their BVs and increased with depth at one or more locations.
- The concentration of cyanide (total) increased with depth at one location.
- The concentrations of nitrate increased with depth at one or more locations.
- The concentrations of perchlorate increased with depth at one or more locations.
- Aroclor-1260 was detected at three locations that were sampled at a single depth.
- The concentrations of the detected VOCs (acetone and toluene) increased with depth at one or more locations.
- Cesium-137 was detected at three locations that were sampled at a single depth.
- Plutonium-239/240 was detected at one location that was sampled at a single depth.
- The concentrations of tritium increased with depth at one or more locations.
- The concentrations of uranium-235 increased with depth at one or more locations.

Extent is defined for the following.

- Explosive compounds were not detected.
- SVOCs were not detected.
- The concentrations of strontium-90 decreased with depth.

Additional sampling is necessary to define the vertical extent of metals, total cyanide, nitrate, perchlorate, PCBs, VOCs, cesium-137, isotopic plutonium, isotopic uranium, and tritium.

The lateral extent of contamination for the TA-26 site is not defined. Additional sampling is necessary to define the lateral extent of metals, total cyanide, nitrate, perchlorate, PCBs, VOCs, cesium-137, isotopic plutonium, isotopic uranium, and tritium.

F-5.0 REFERENCES

The following list includes all documents cited in this appendix. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy–Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

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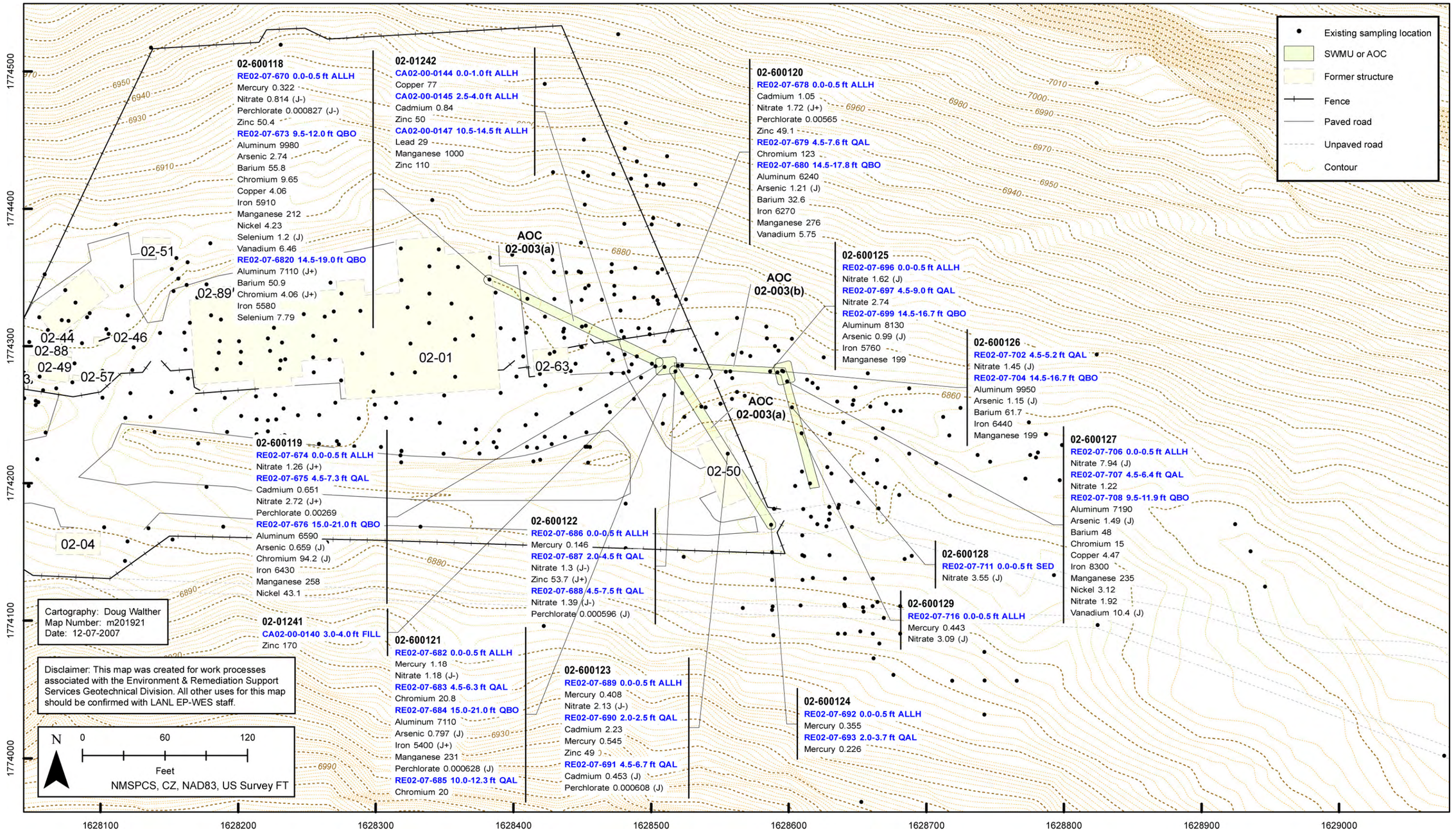
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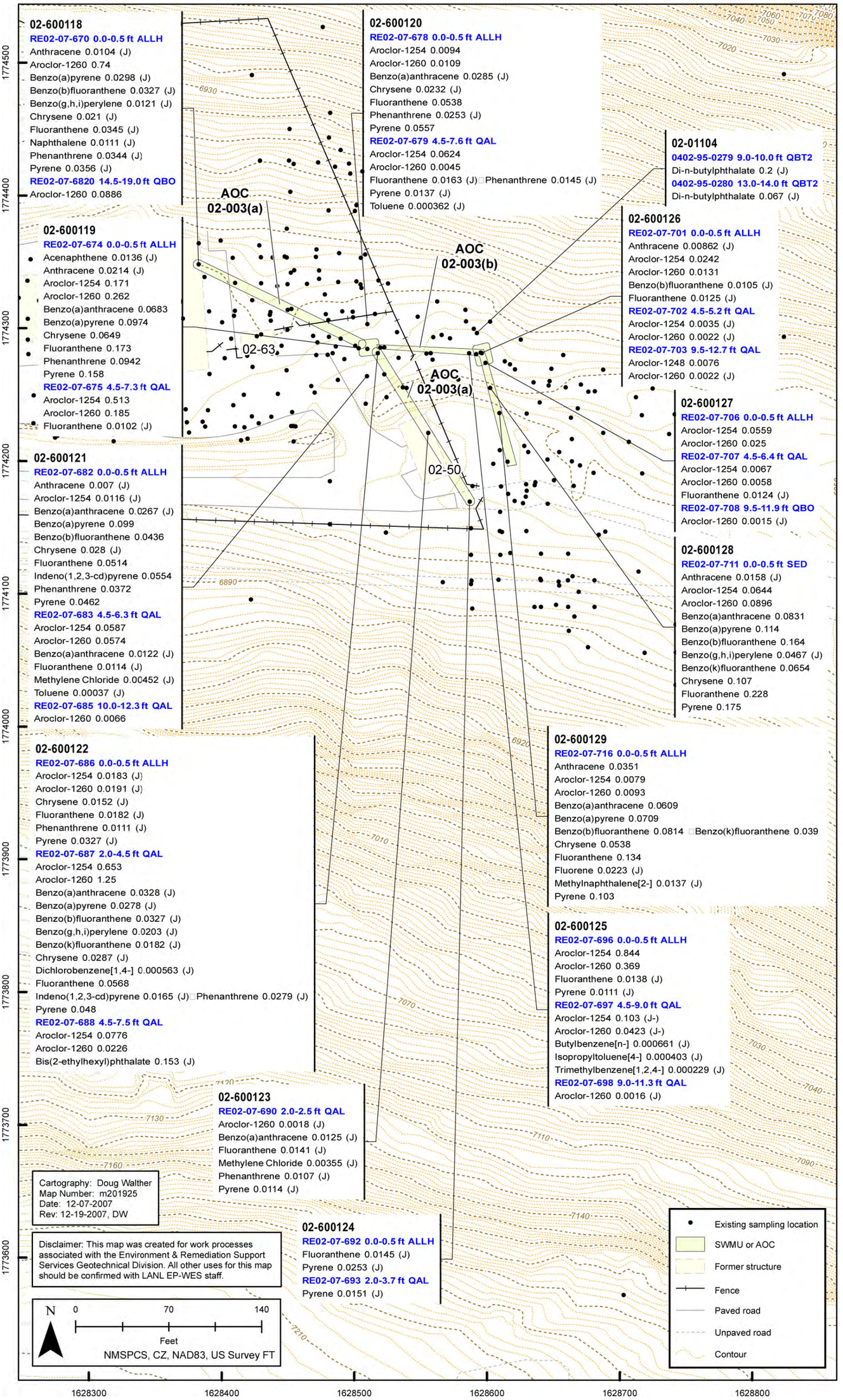
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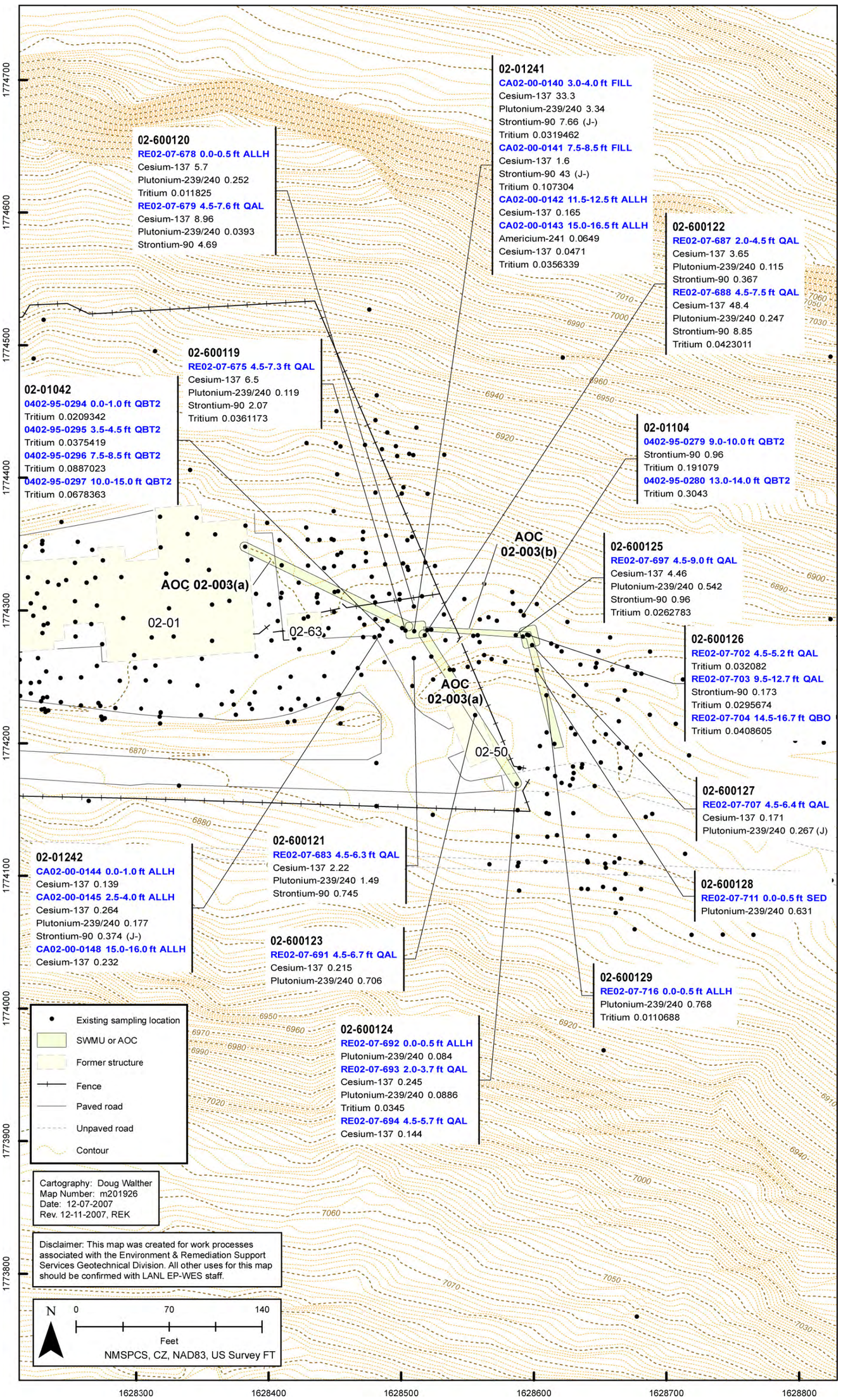
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.1-1 Inorganic COPCs detected or detected above BVs at AOCs 02-003(a), 02-003(b)



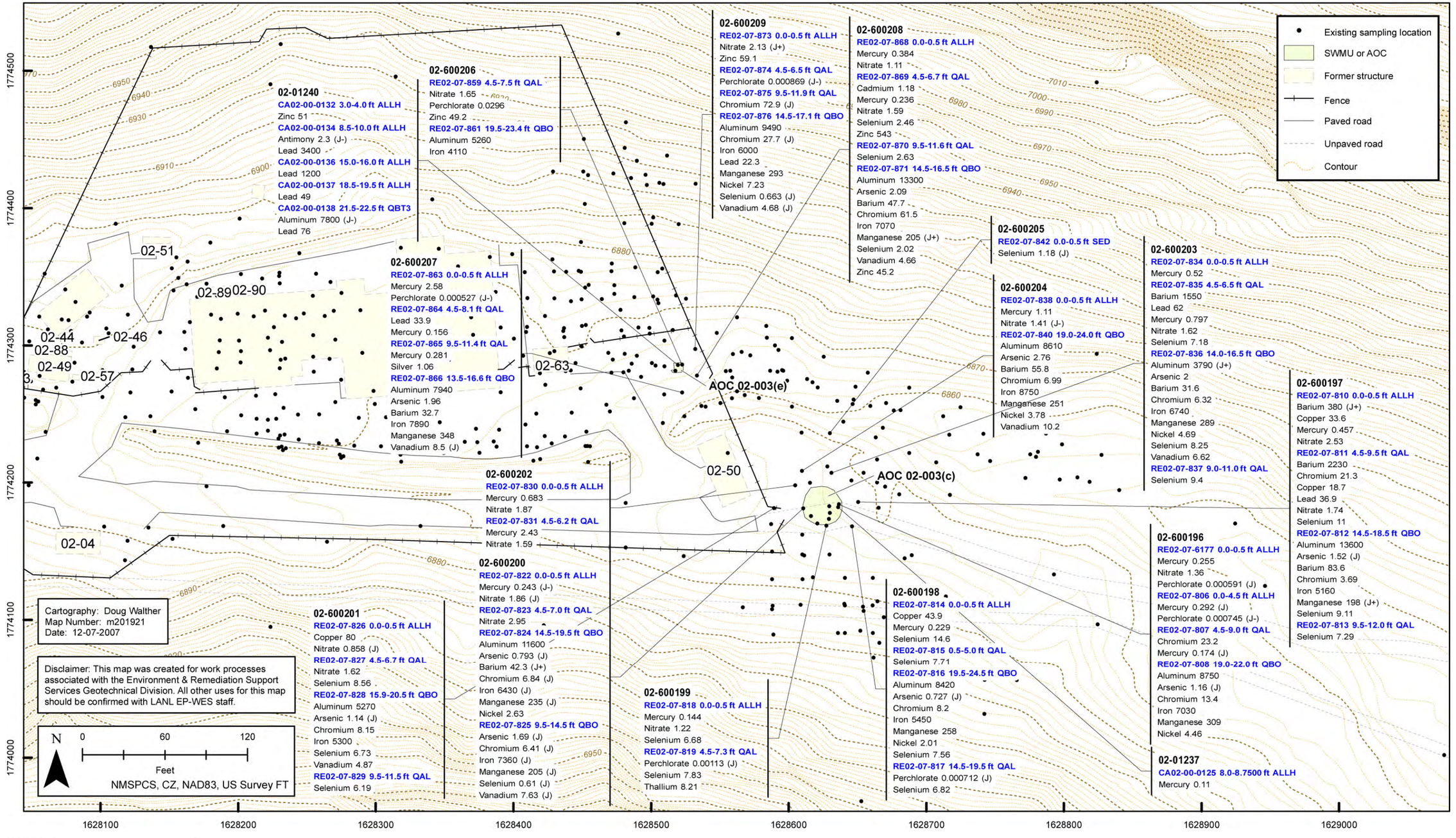
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.1-2 Organic chemicals detected at AOCs 02-003(a), 02-003(b)



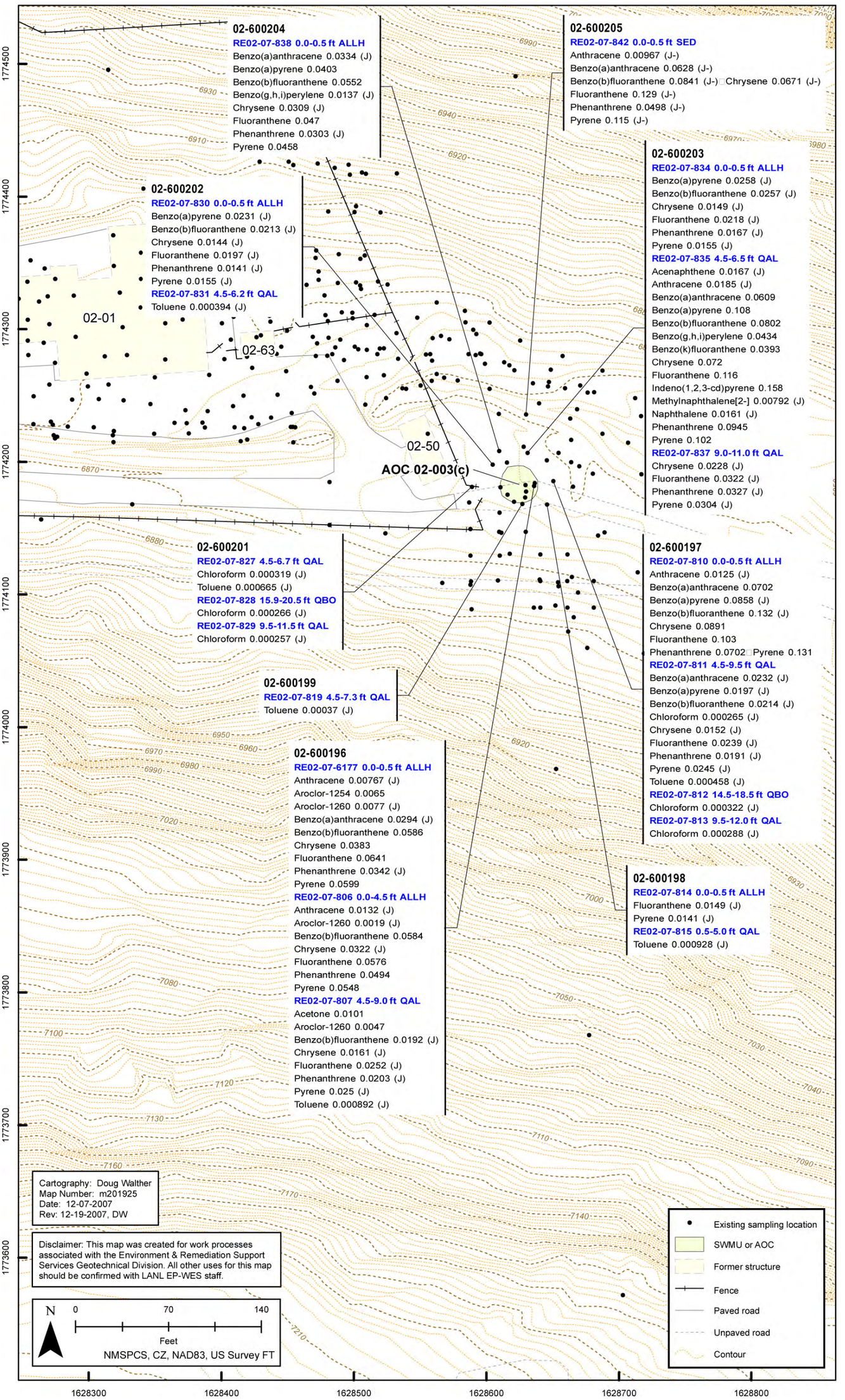
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.1-3 Radionuclide COPCs detected or detected above BVs/FVs at AOCs 02-003(a), 02-003(b)



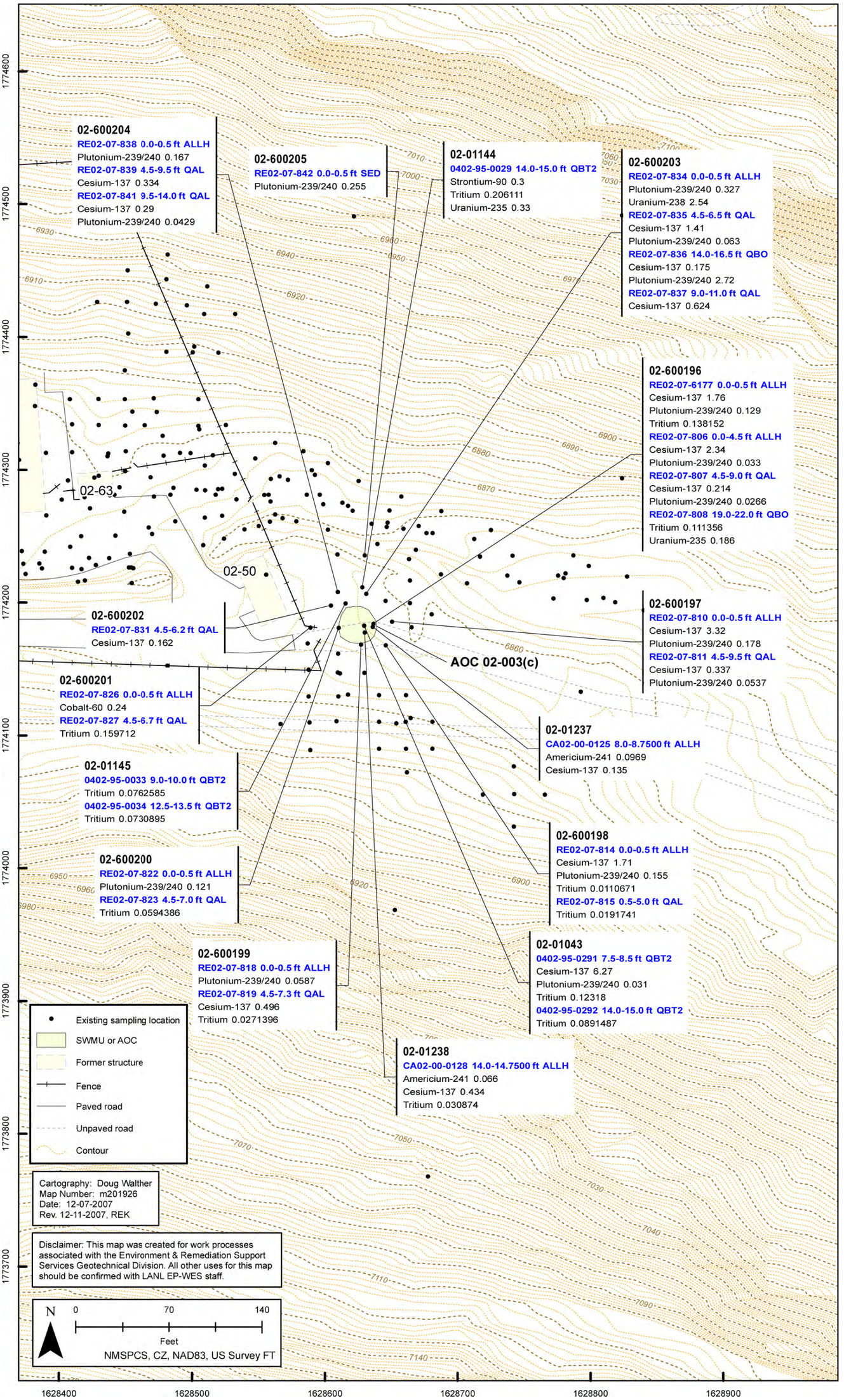
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.3-1 Inorganic COPCs detected or detected above BVs at AOCs 02-003(c), 02-003(e)



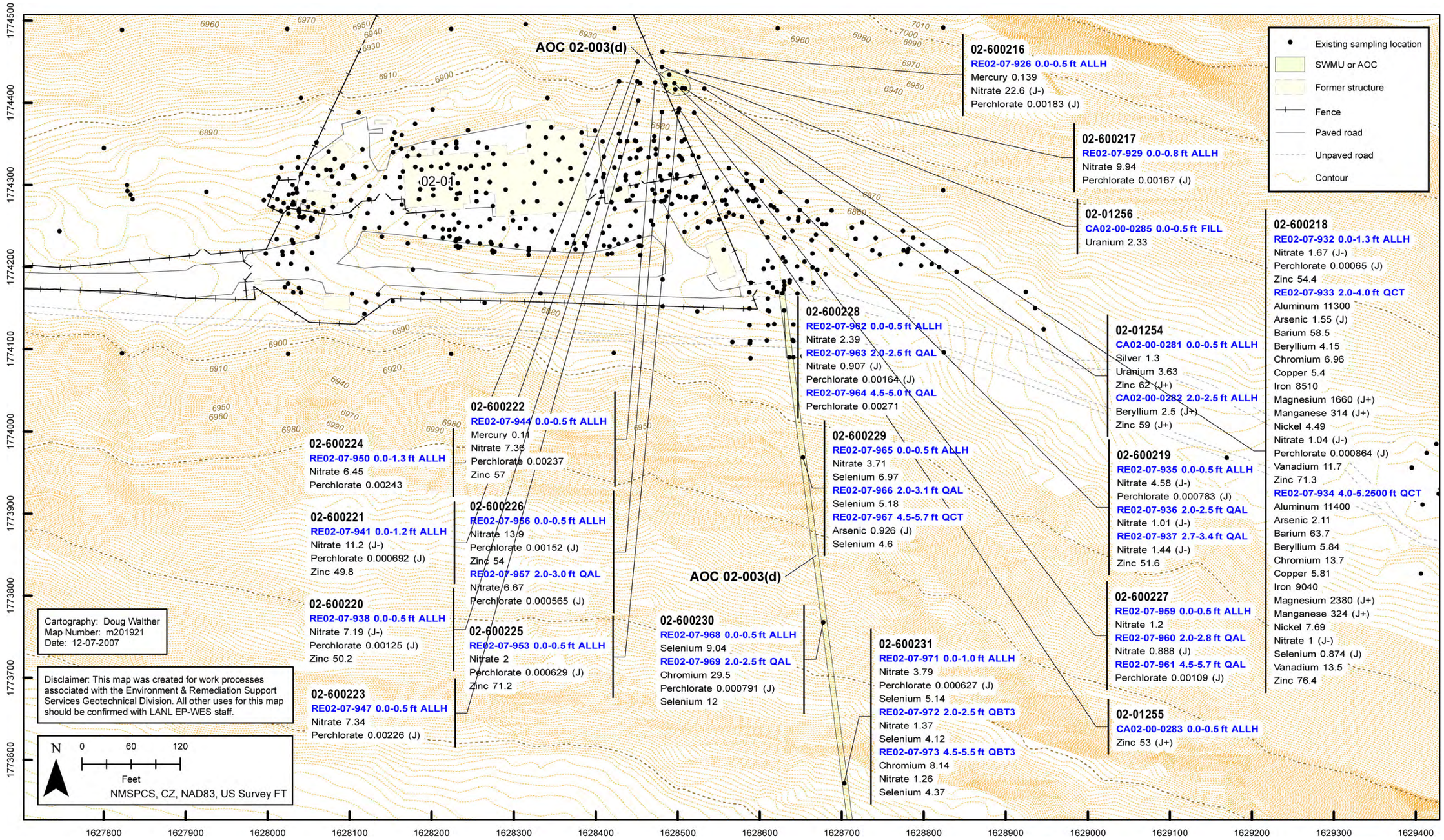
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.3-2 Organic chemicals detected at AOC 02-003(c)



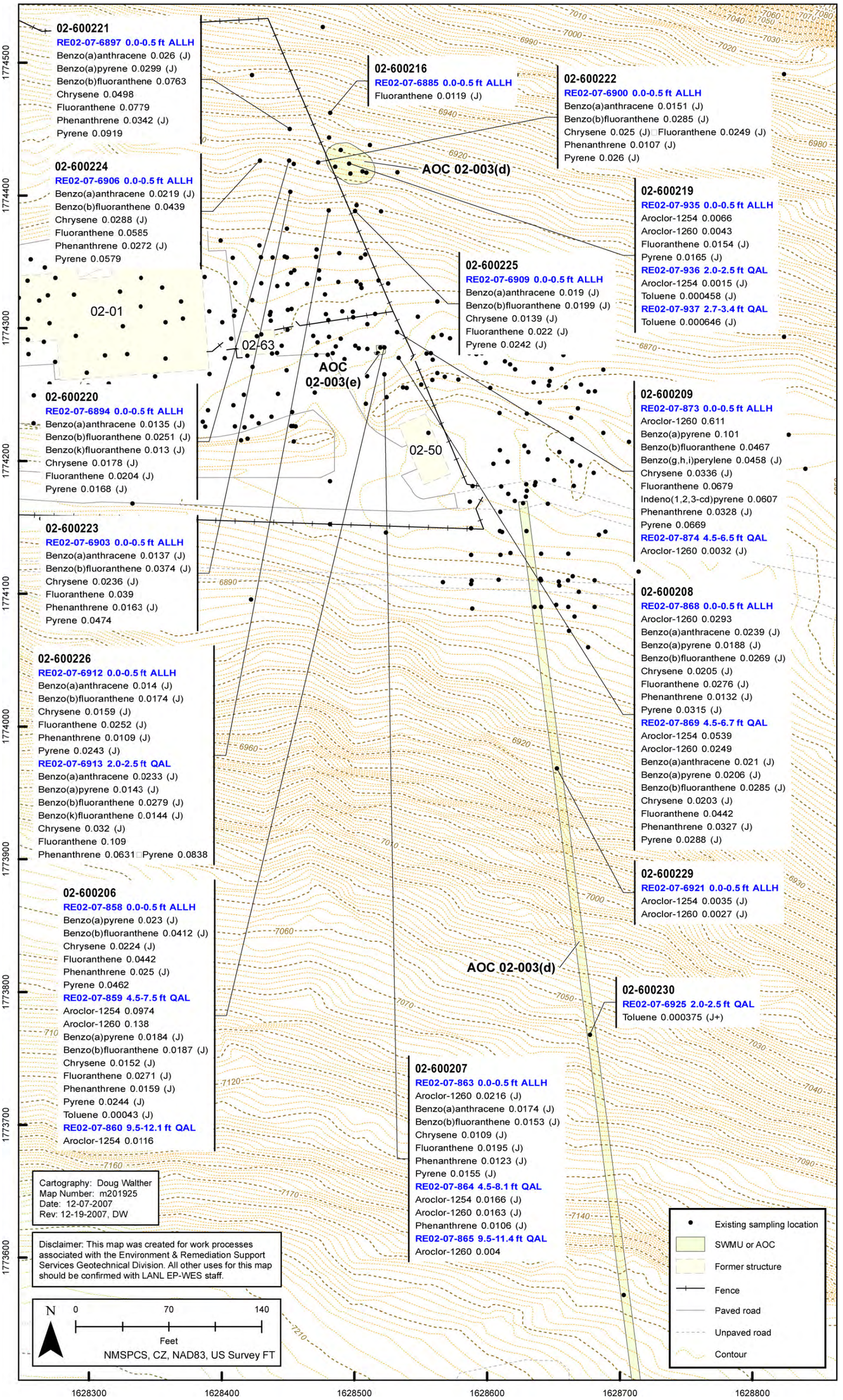
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.3-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-003(c)



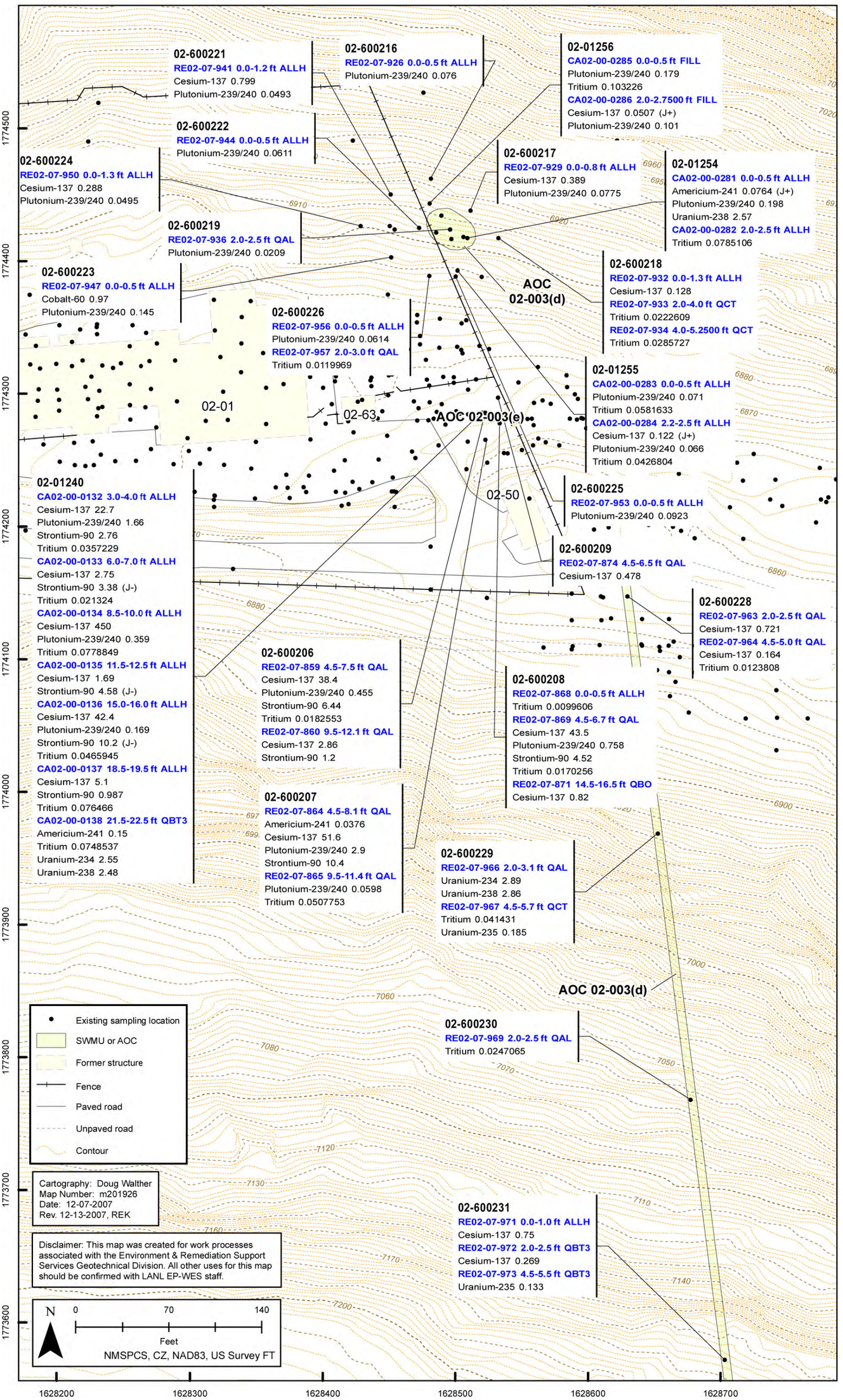
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.4-1 Inorganic COPCs detected or detected above BVs at AOC 02-003(d)



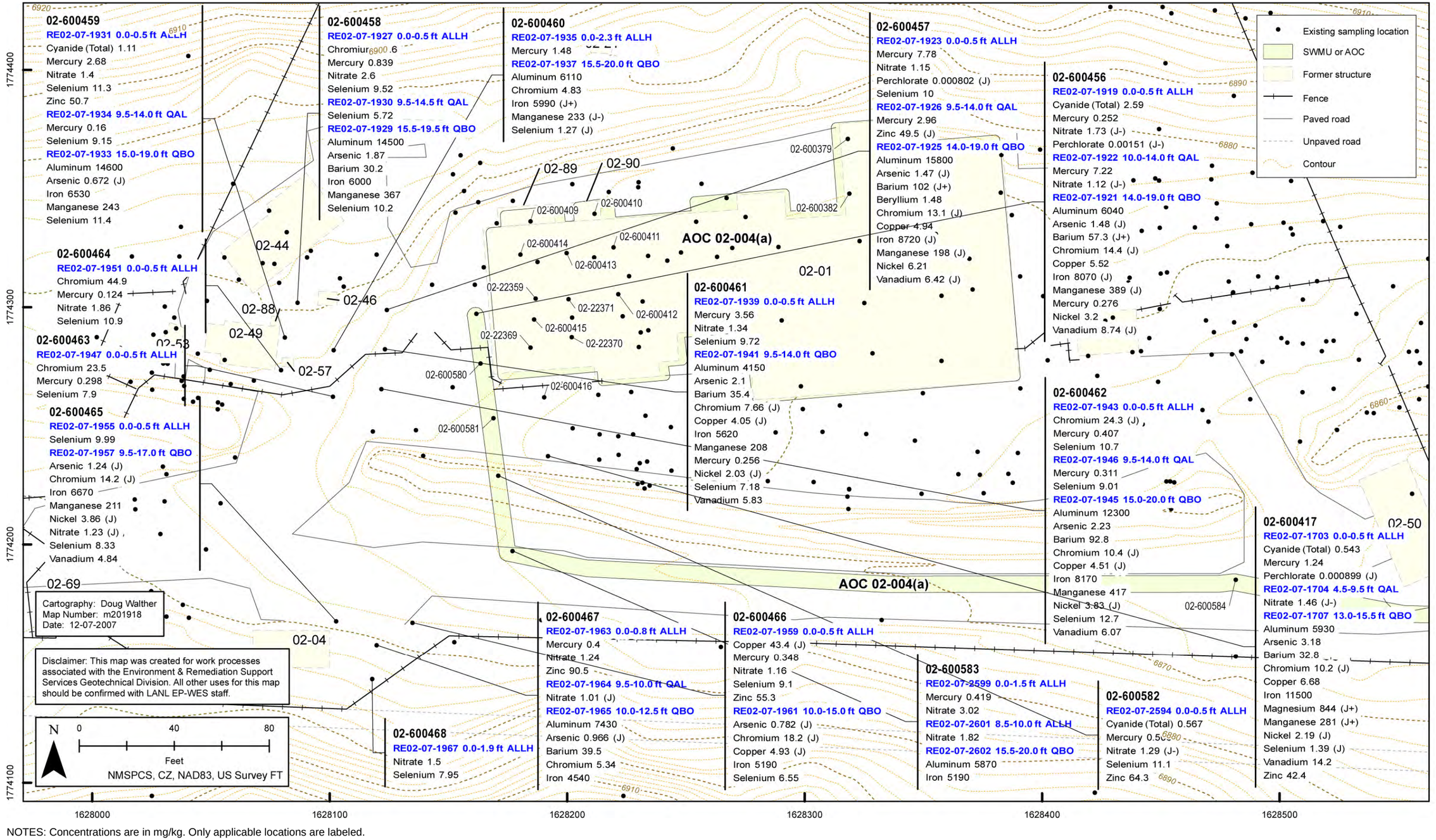
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.4-2 Organic chemicals detected at AOCs 02-003(d), 02-003(e)



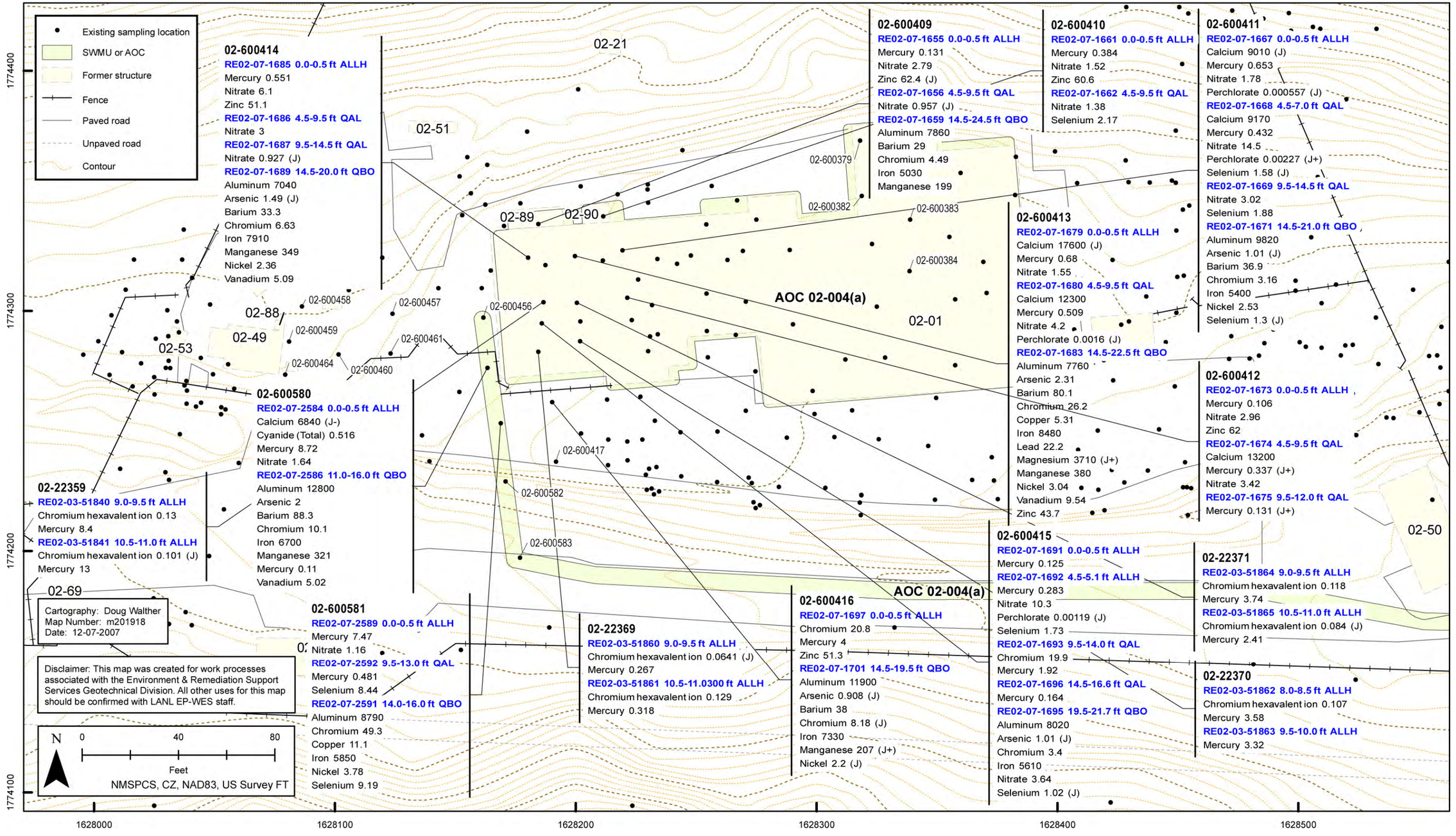
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.4-3 Radionuclide COPCs detected or detected above BVs/FVs at AOCs 02-003(d), 02-003(e)



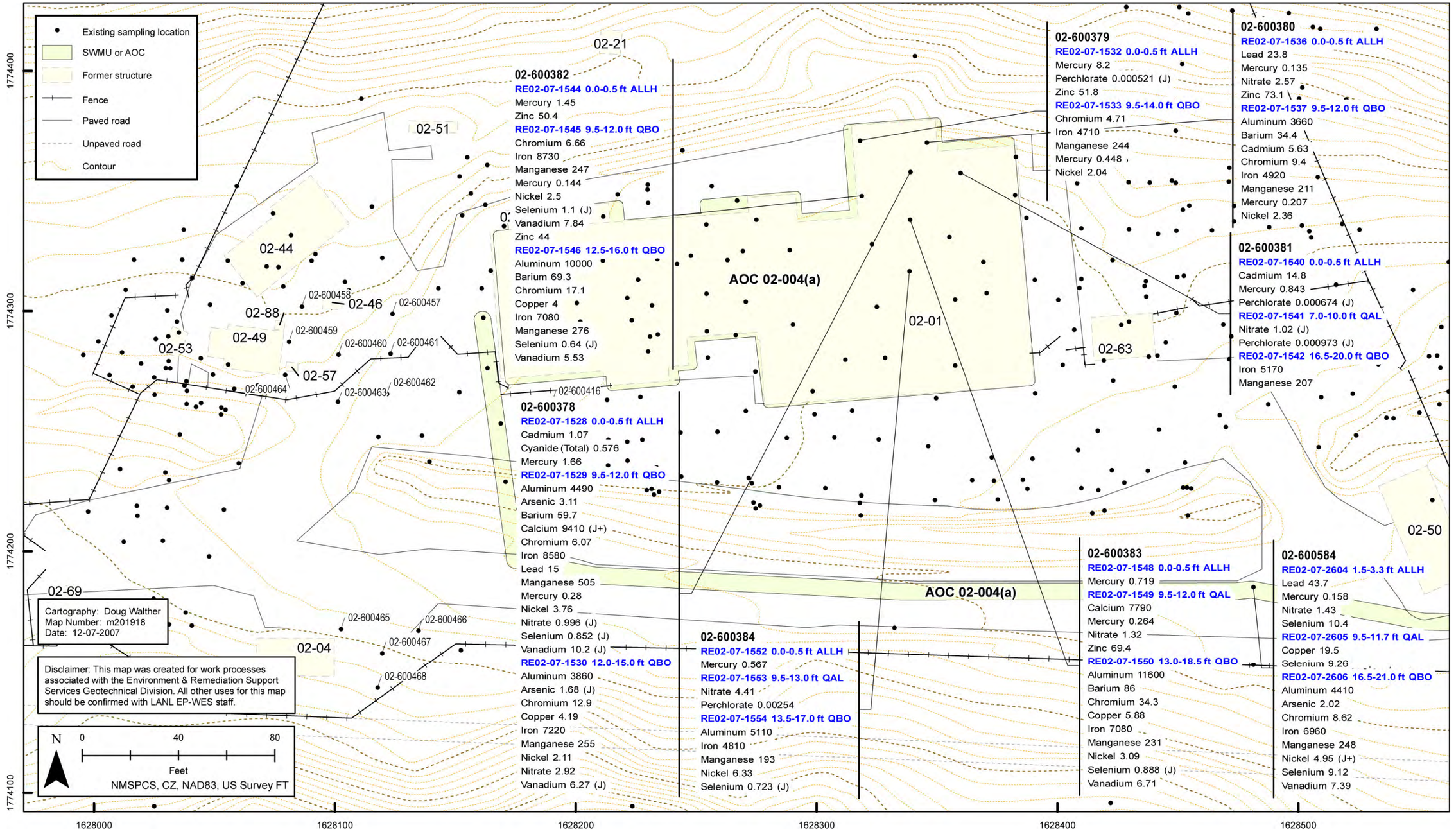
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-1 Inorganic COPCs detected or detected above BVs at AOC 02-004(a) (1 of 3)



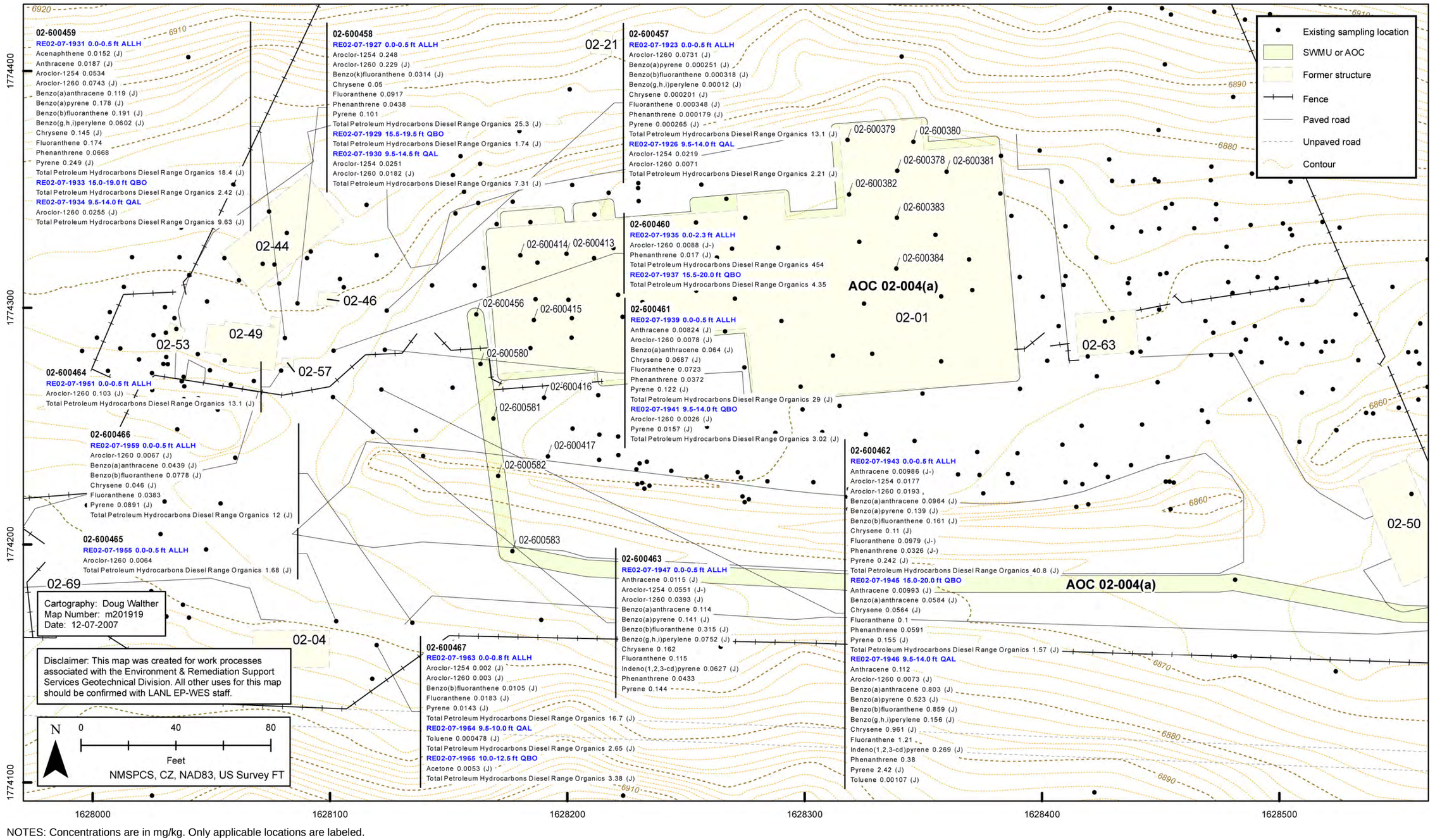
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-1 Inorganic COPCs detected or detected above BVs at AOC 02-004(a) (2 of 3)



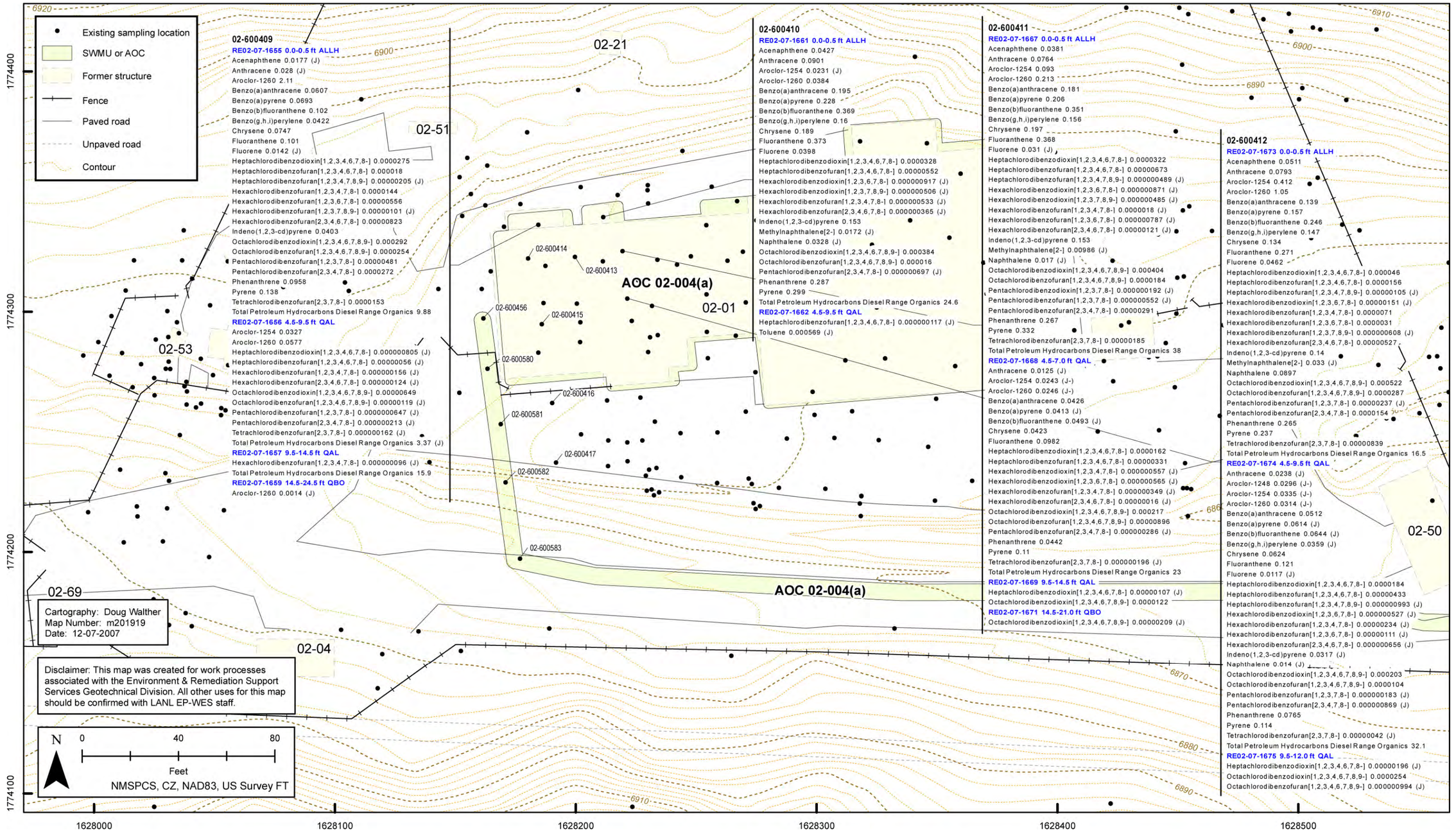
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-1 Inorganic COPCs detected or detected above BVs at AOC 02-004(a) (3 of 3)



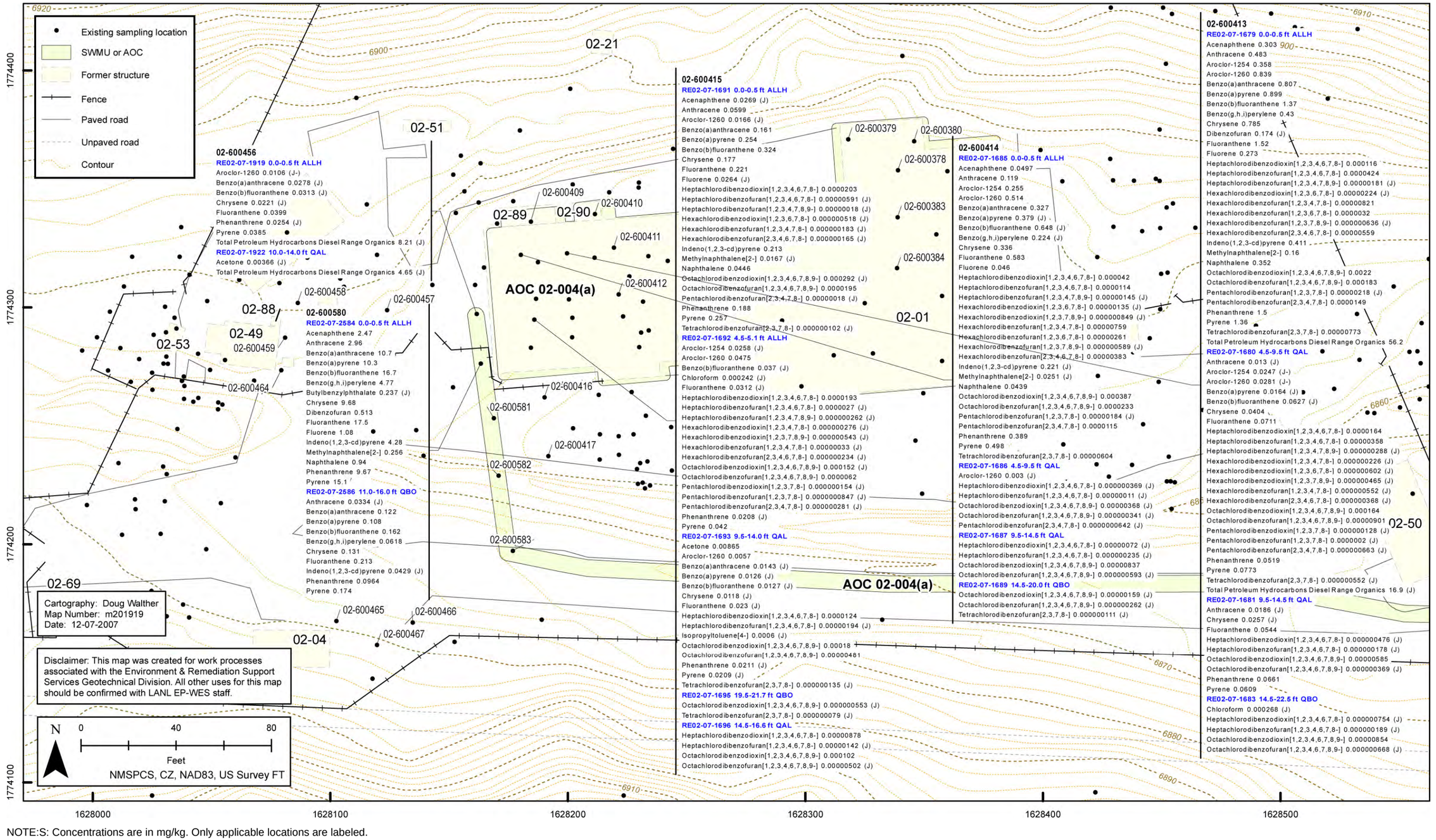
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-2 Organic chemicals detected at AOC 02-004(a) (1 of 5)



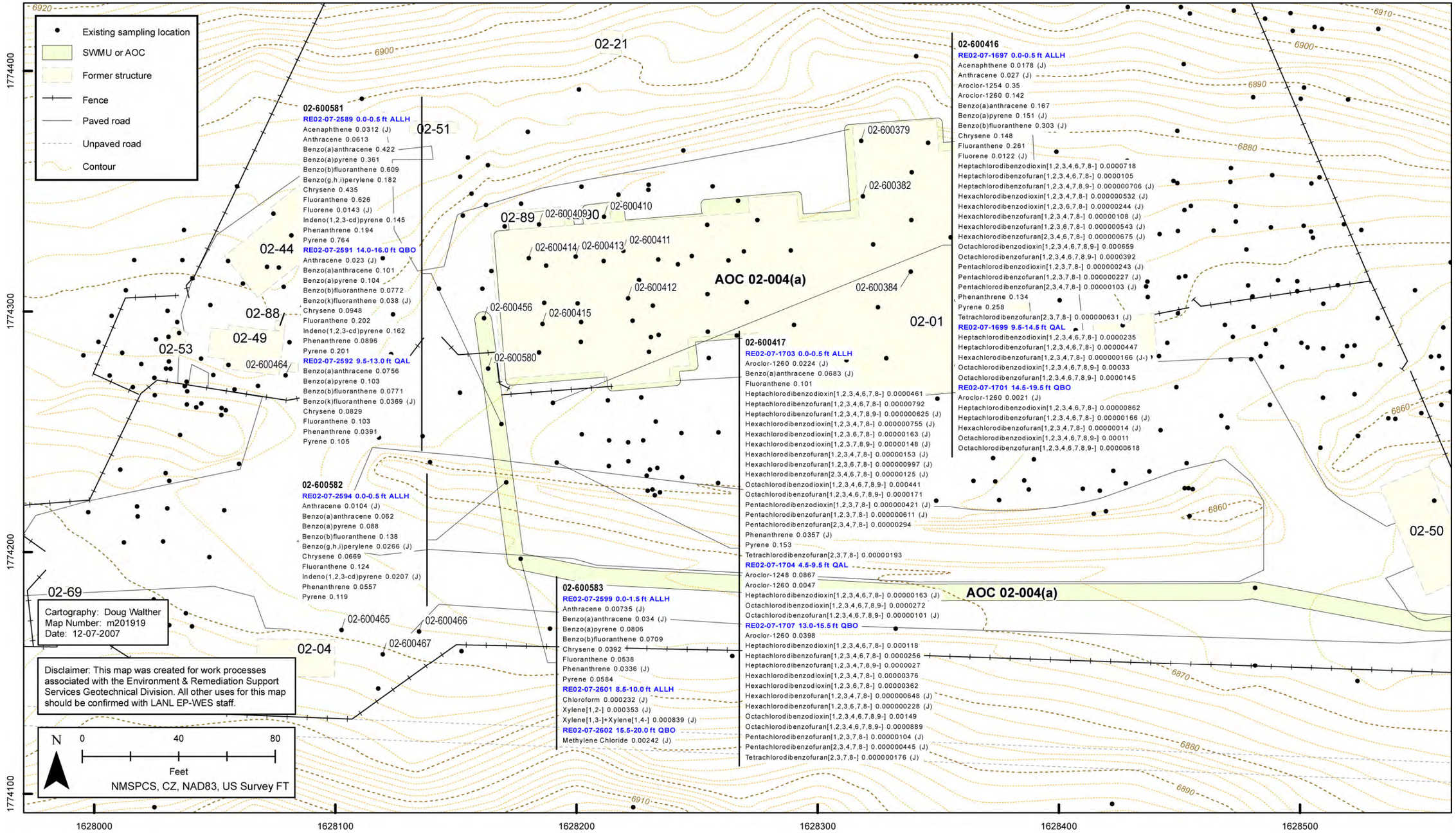
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-2 Organic chemicals detected at AOC 02-004(a) (2 of 5)



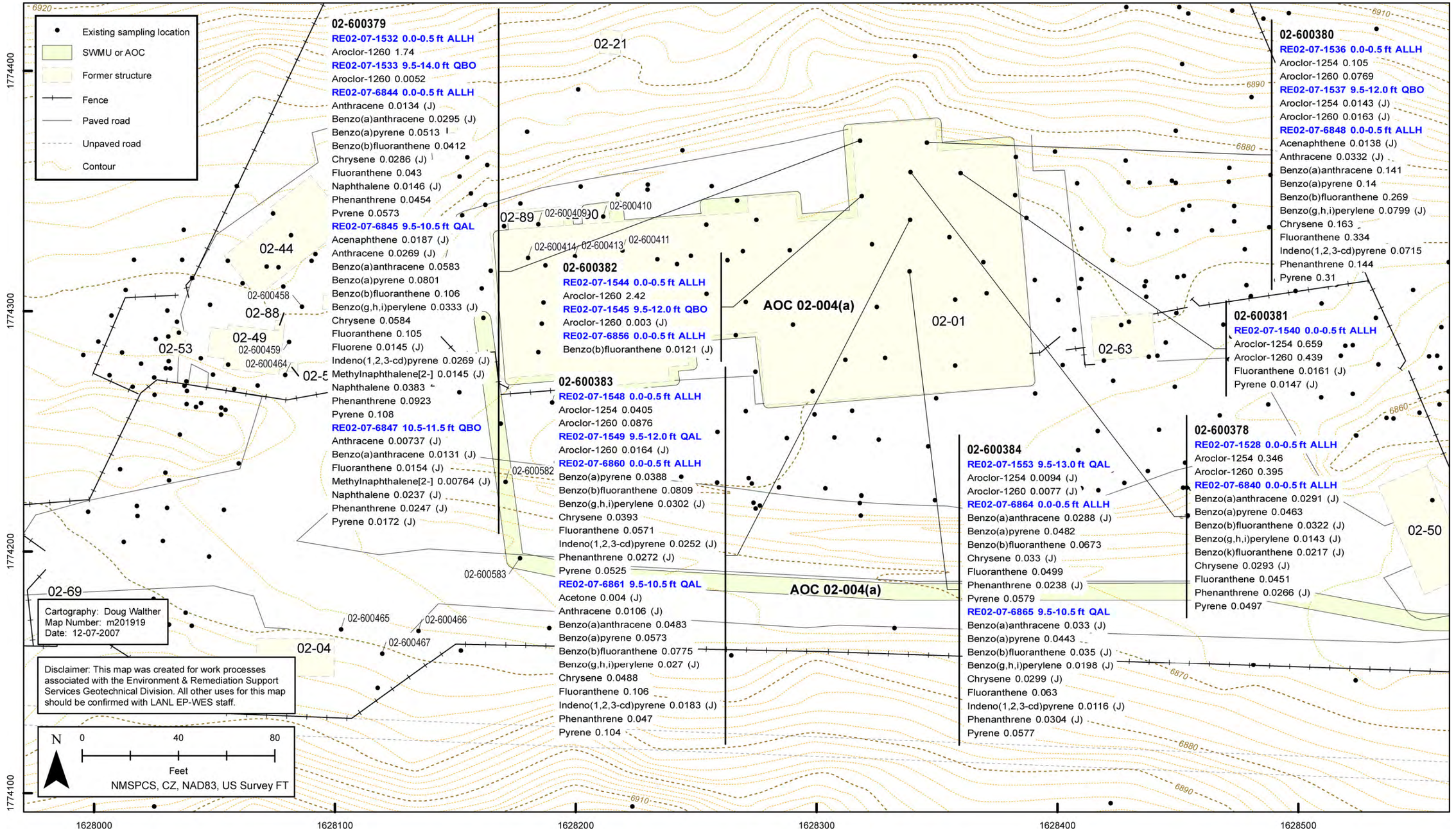
NOTE:S: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-2 Organic chemicals detected at AOC 02-004(a) (3 of 5)



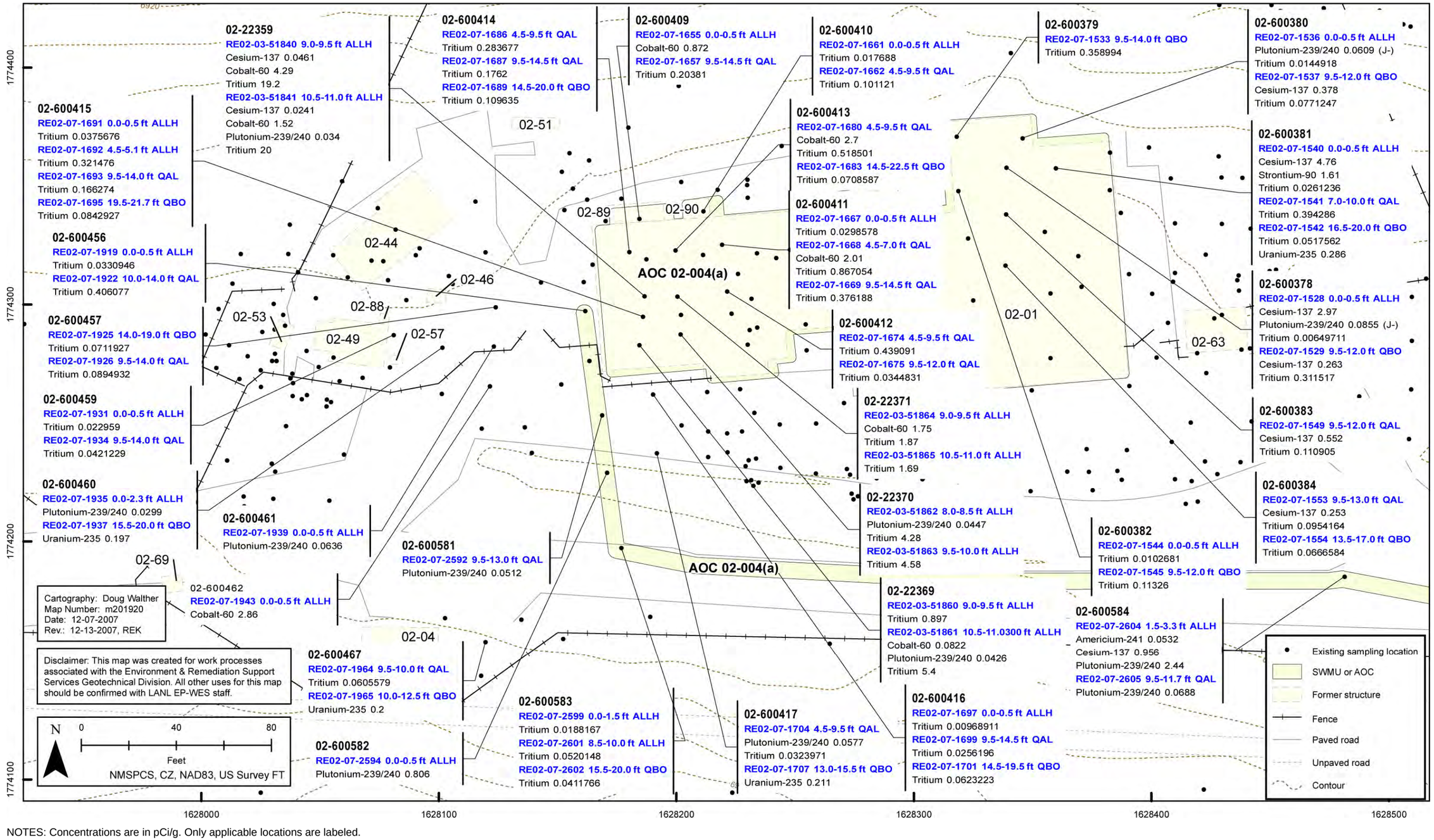
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-2 Organic chemicals detected at AOC 02-004(a) (4 of 5)



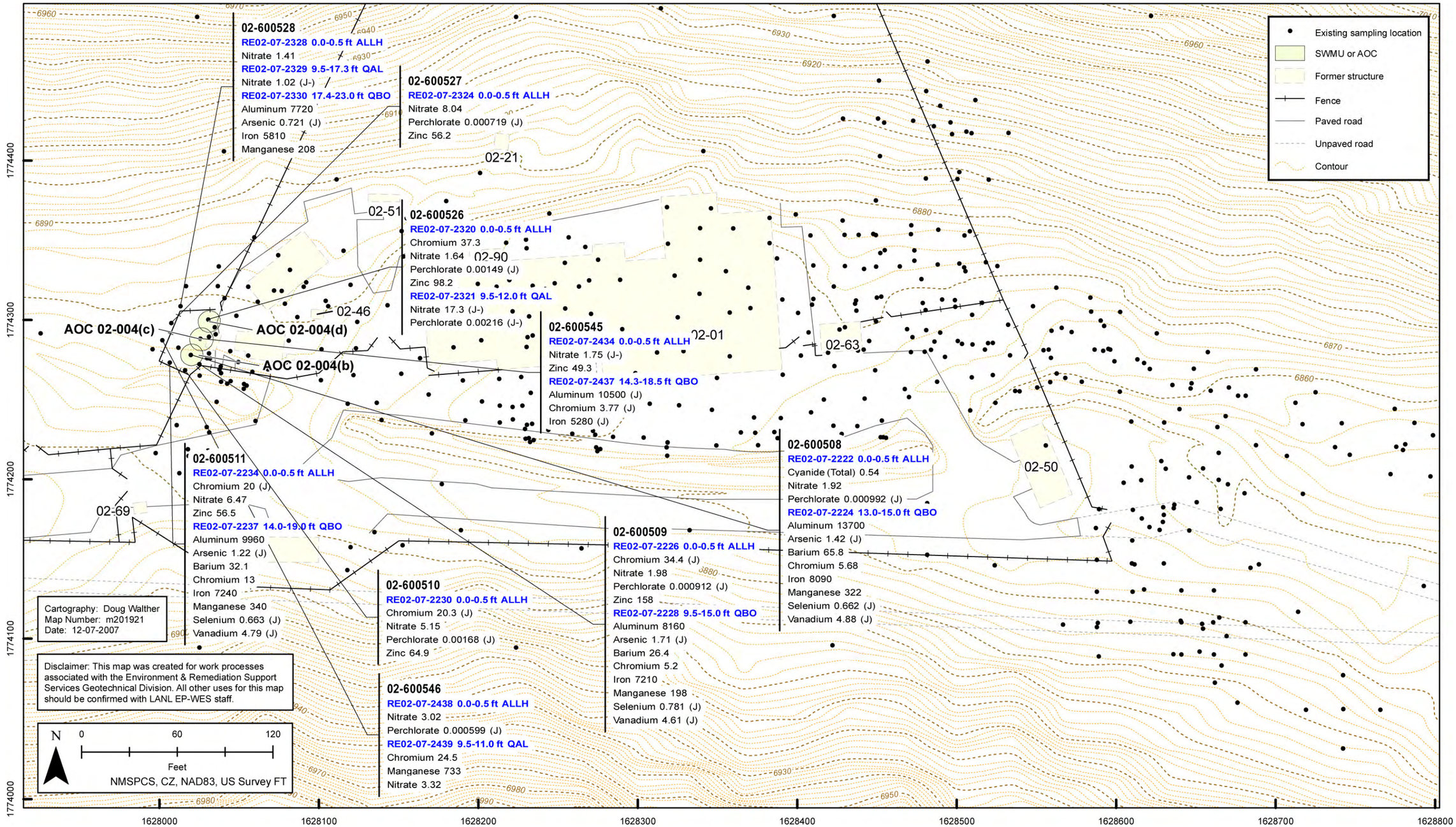
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.6-2 Organic chemicals detected at AOC 02-004(a) (5 of 5)



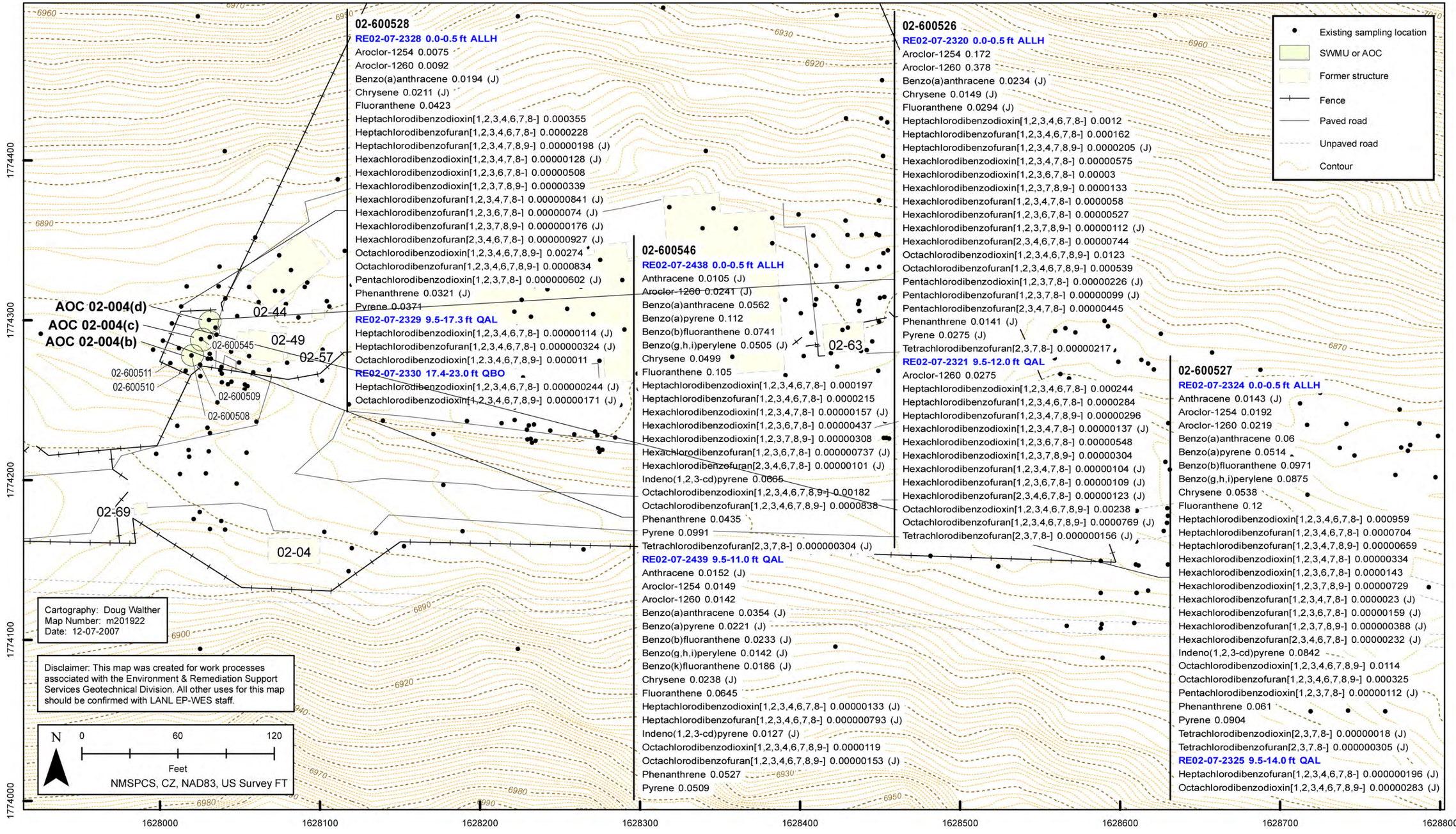
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.6-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-004(a)



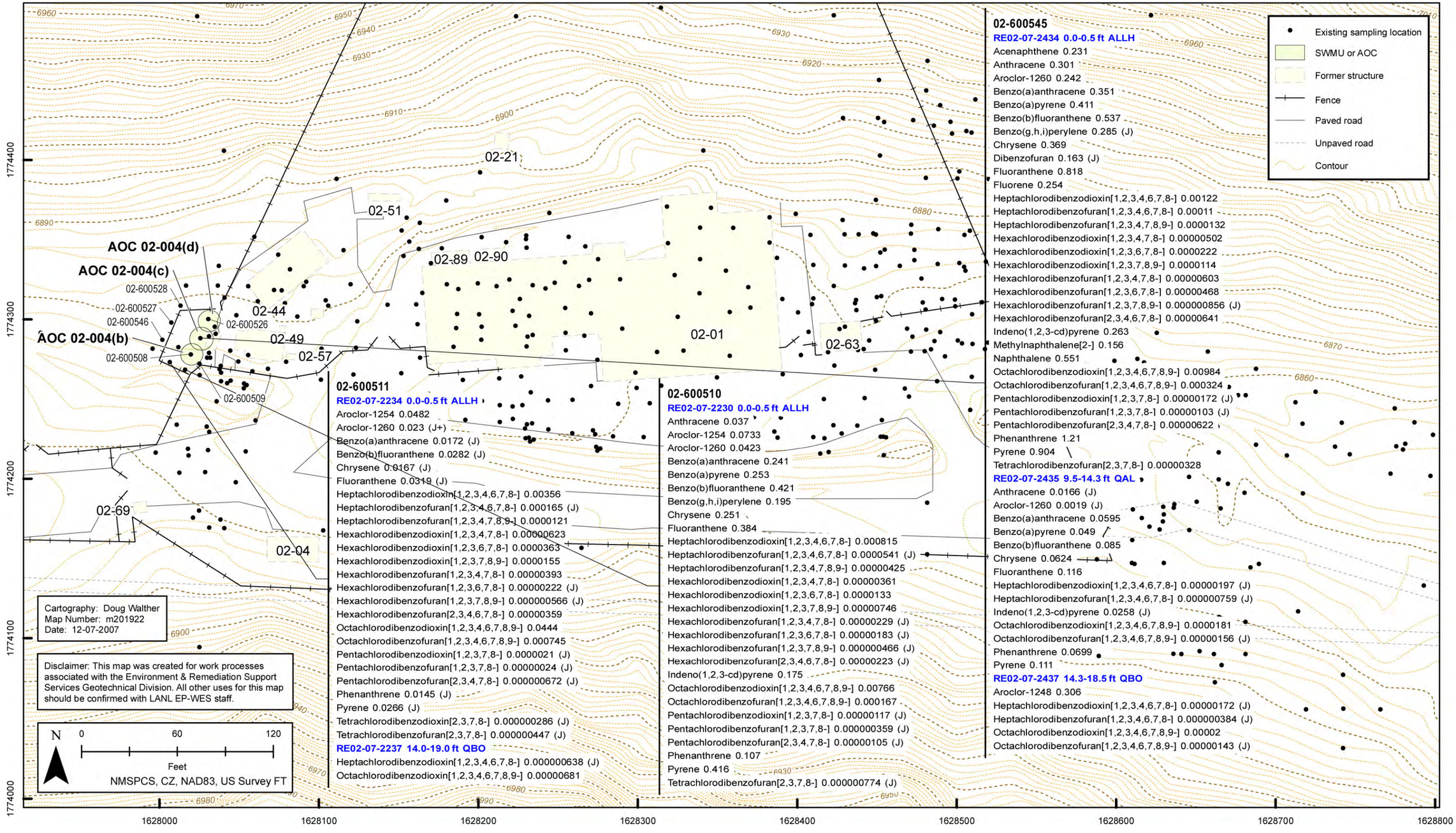
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.7-1 Inorganic COPCs detected or detected above BVs at AOCs 02-004(b,c,d)



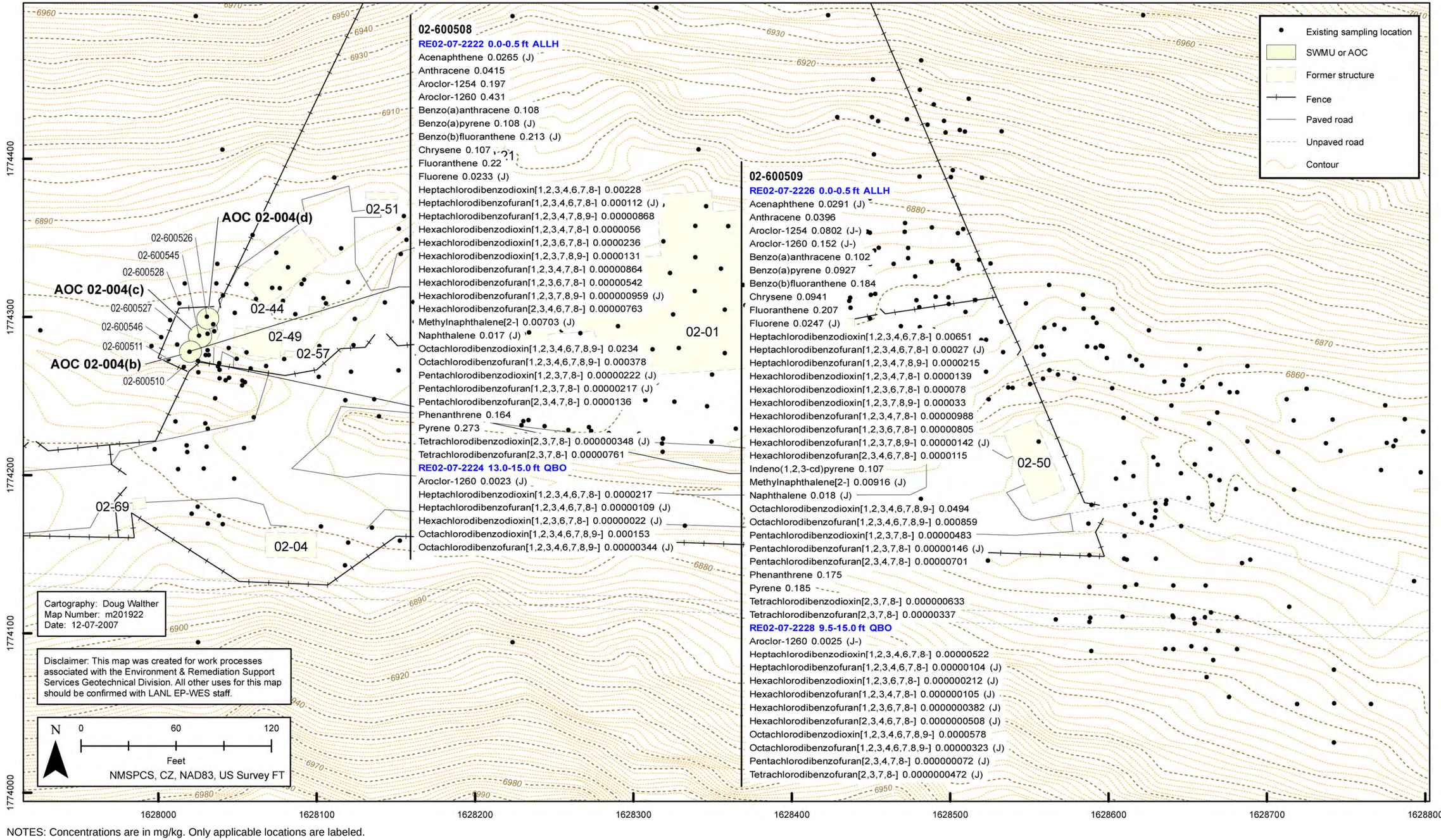
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.7-2 Organic chemicals detected at AOCs 02-004(b,c,d) (1 of 3)



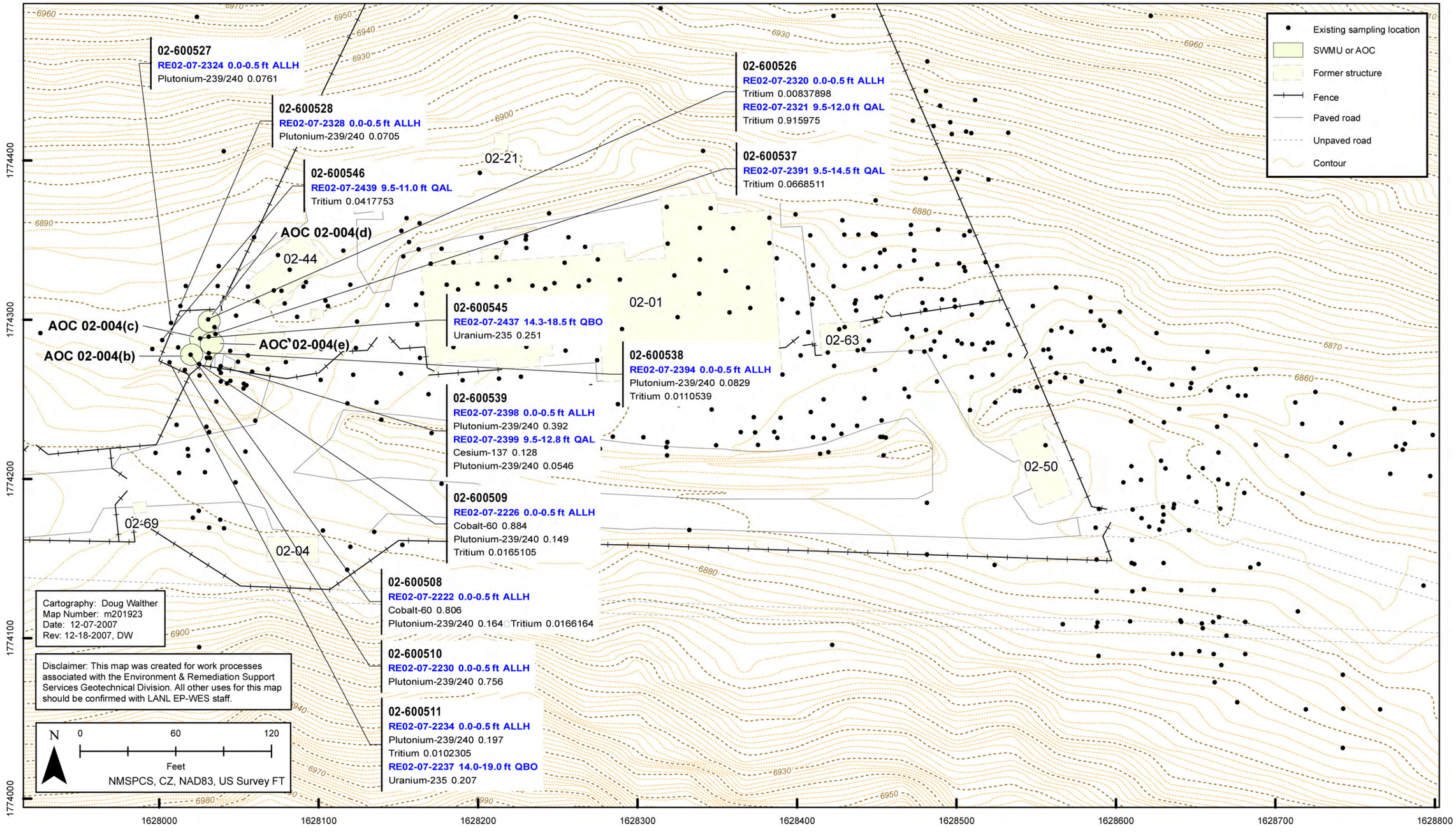
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.7-2 Organic chemicals detected at AOCs 02-004(b,c,d) (2 of 3)



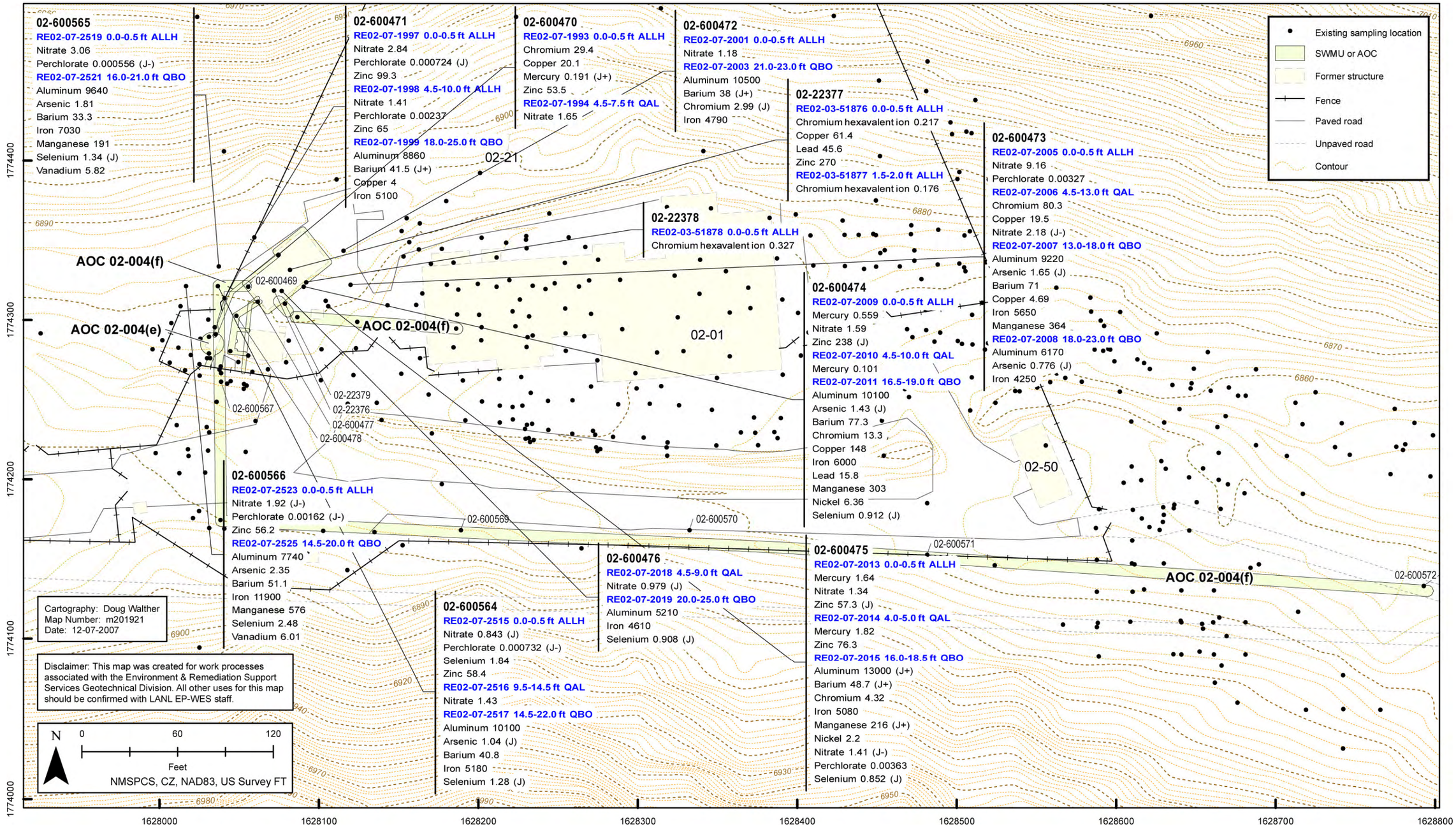
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.7-2 Organic chemicals detected at AOCs 02-004(b,c,d) (3 of 3)



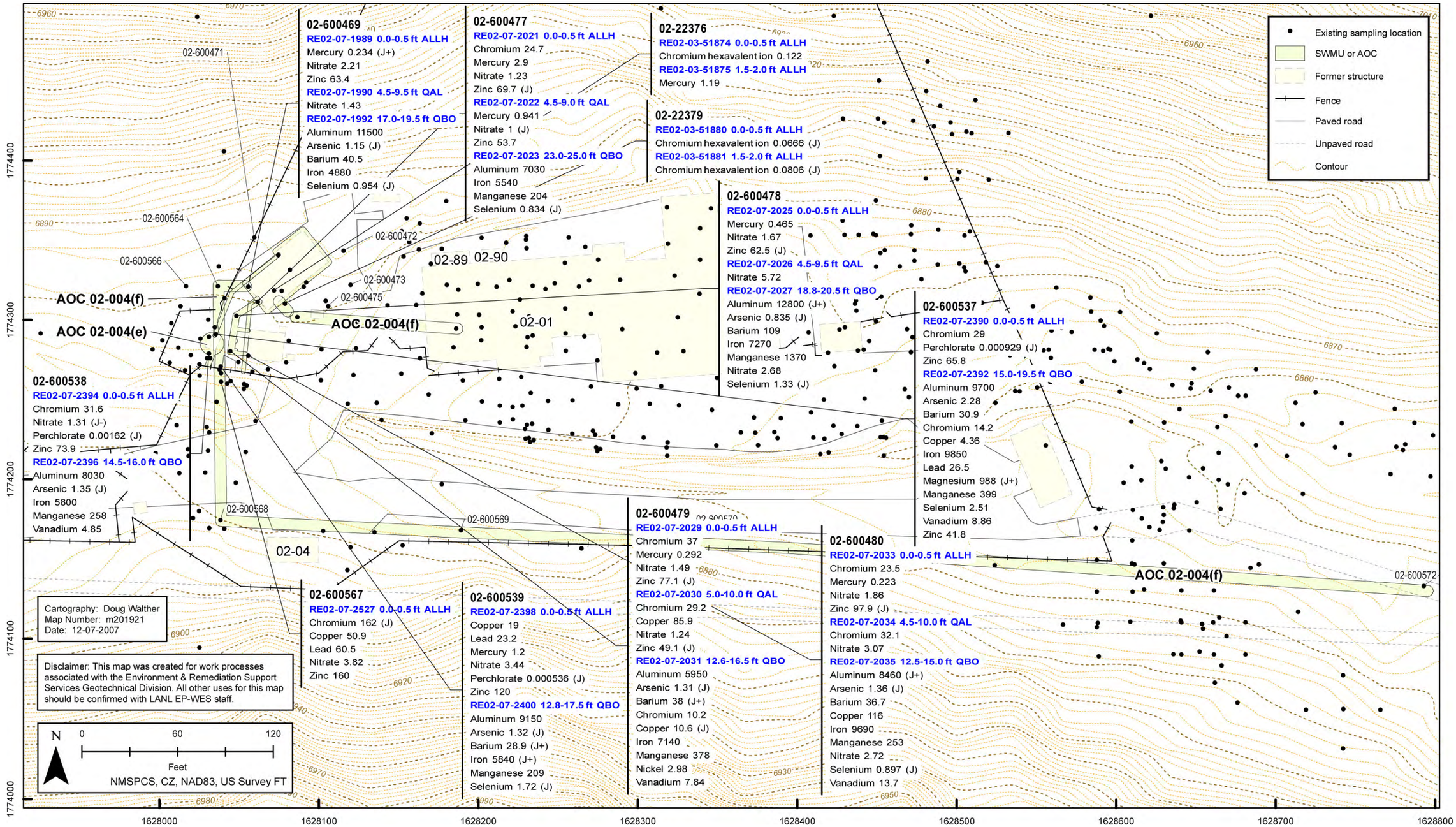
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.7-3 Radionuclide COPCs detected or detected above BVs/FVs at AOCs 02-004(b,c,d), 02-004(e)



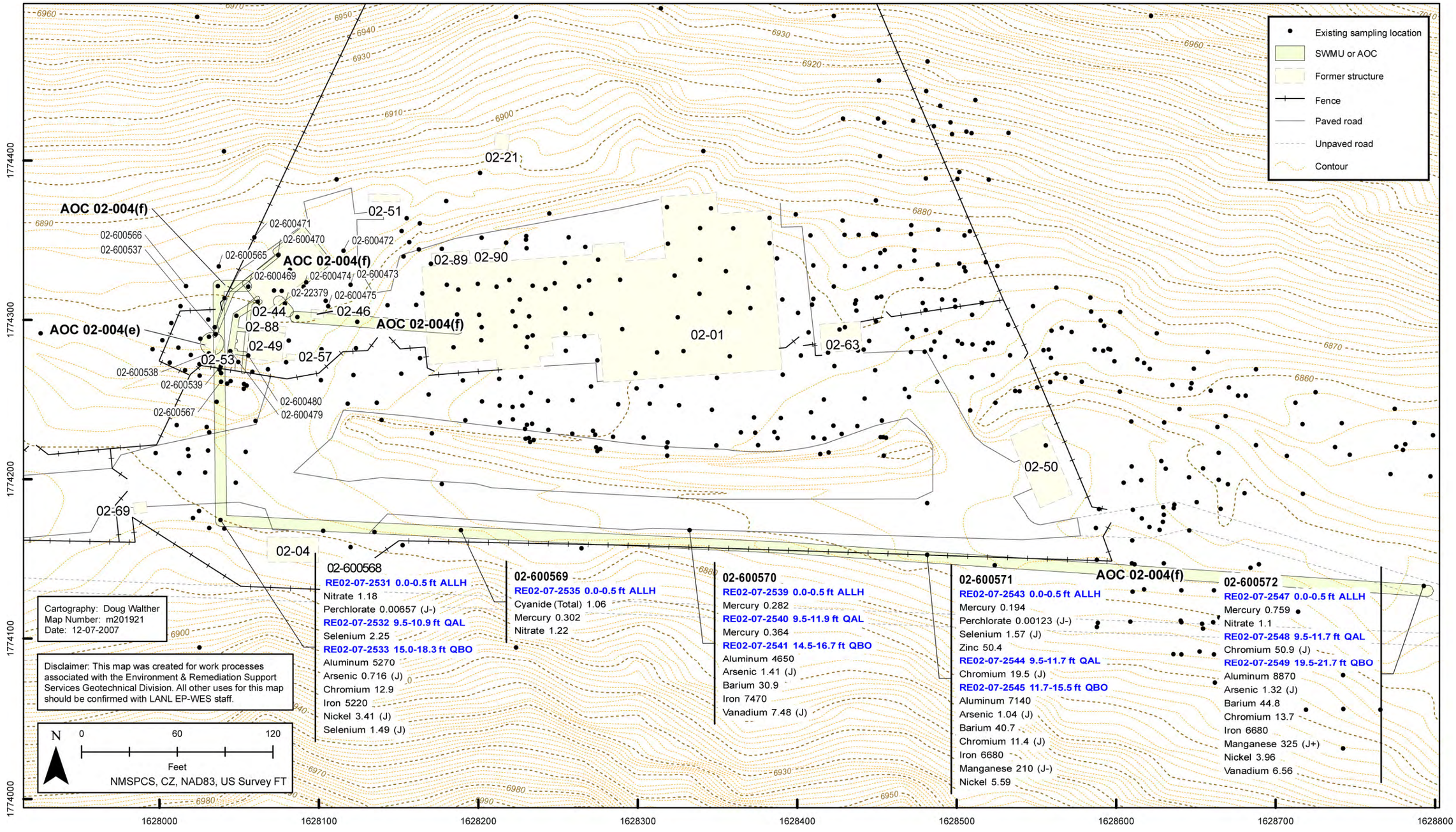
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.8-1 Inorganic COPCs detected or detected above BVs at AOCs 02-004(e), 02-004(f) (1 of 3)



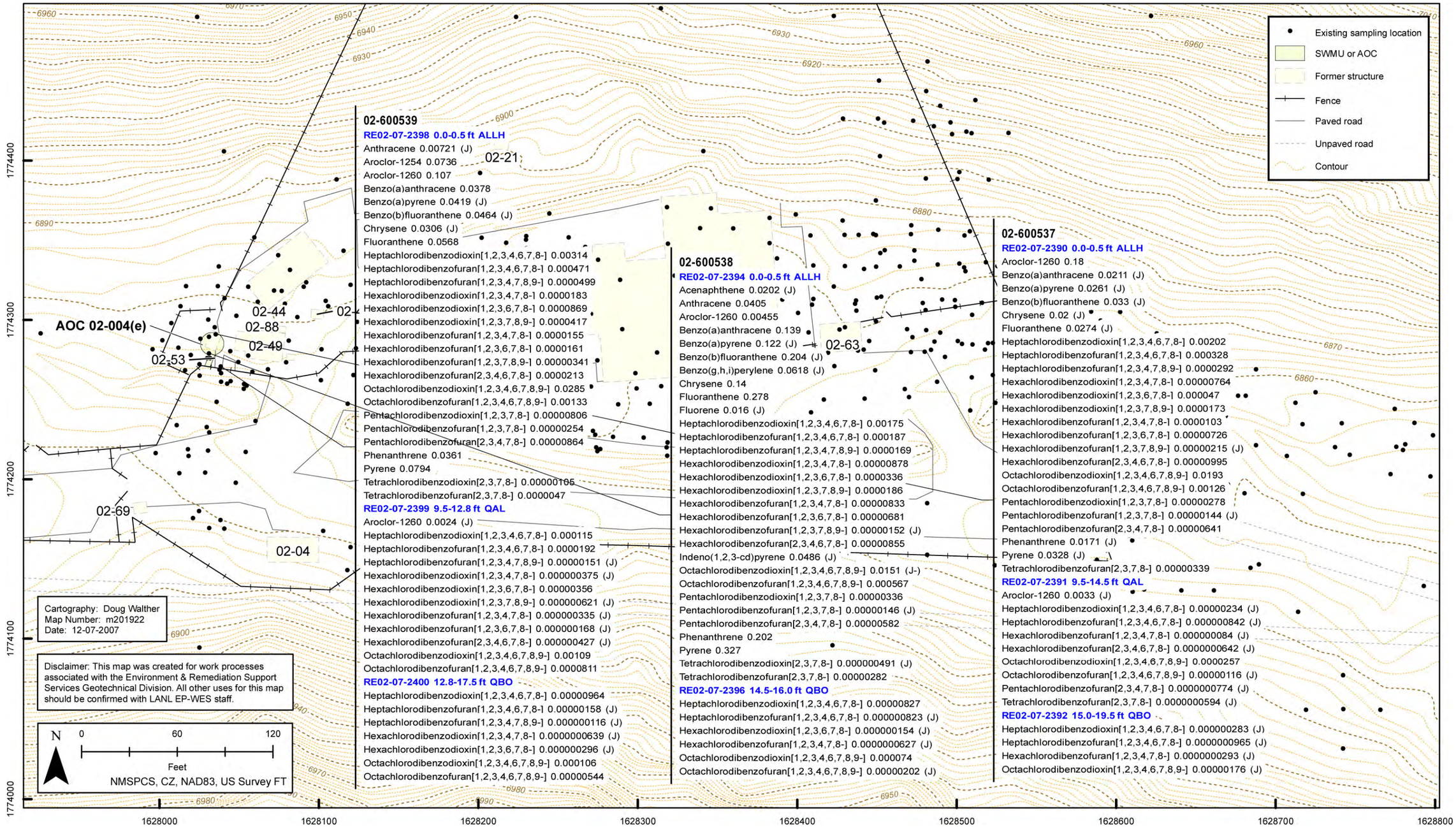
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.8-1 Inorganic COPCs detected or detected above BVs at AOCs 02-004(e), 02-004(f) (2 of 3)



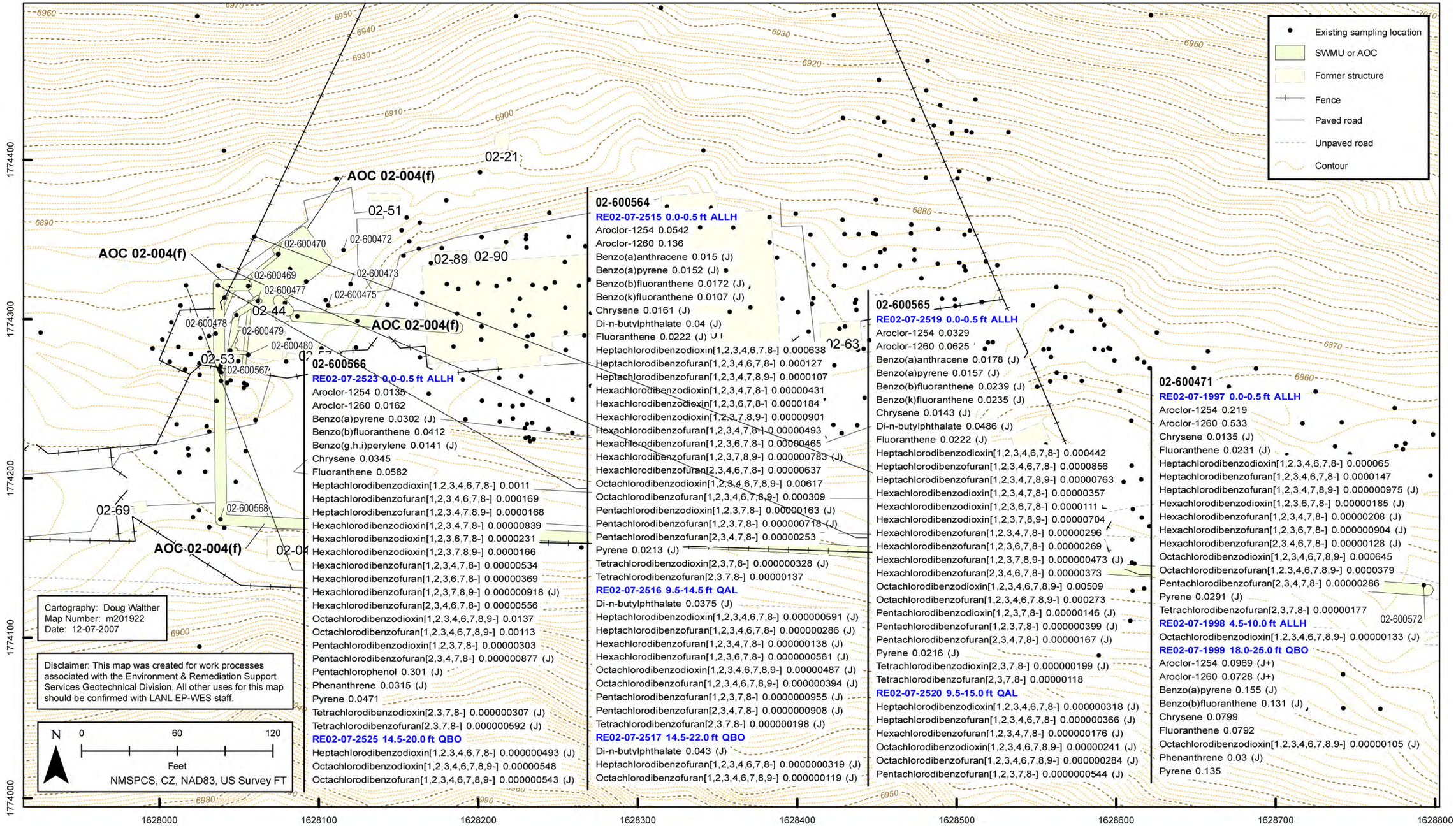
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.8-1 Inorganic COPCs detected or detected above BVs at AOCs 02-004(e), 02-004(f) (3 of 3)



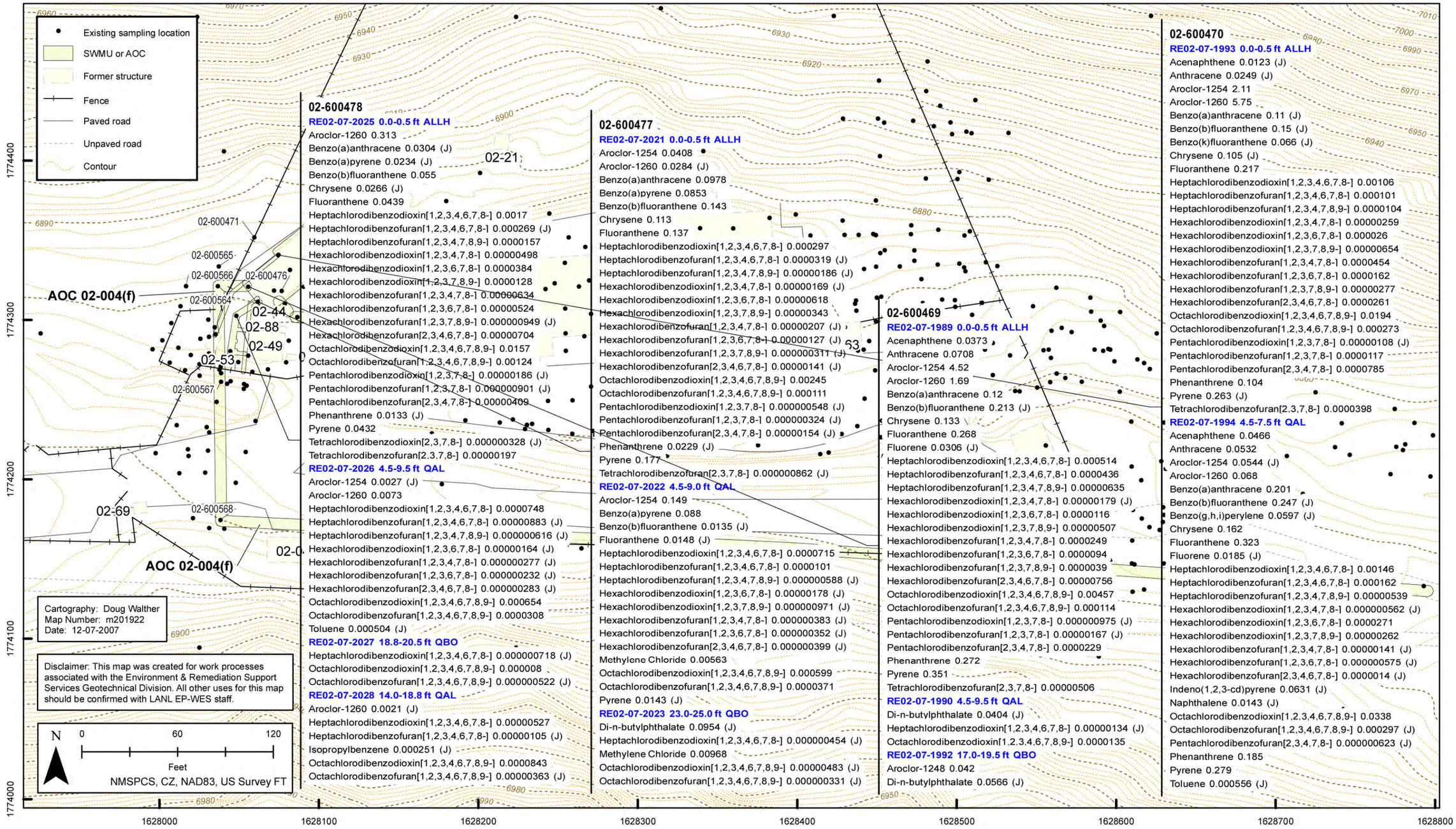
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.8-2 Organic chemicals detected at AOC 02-004(e)



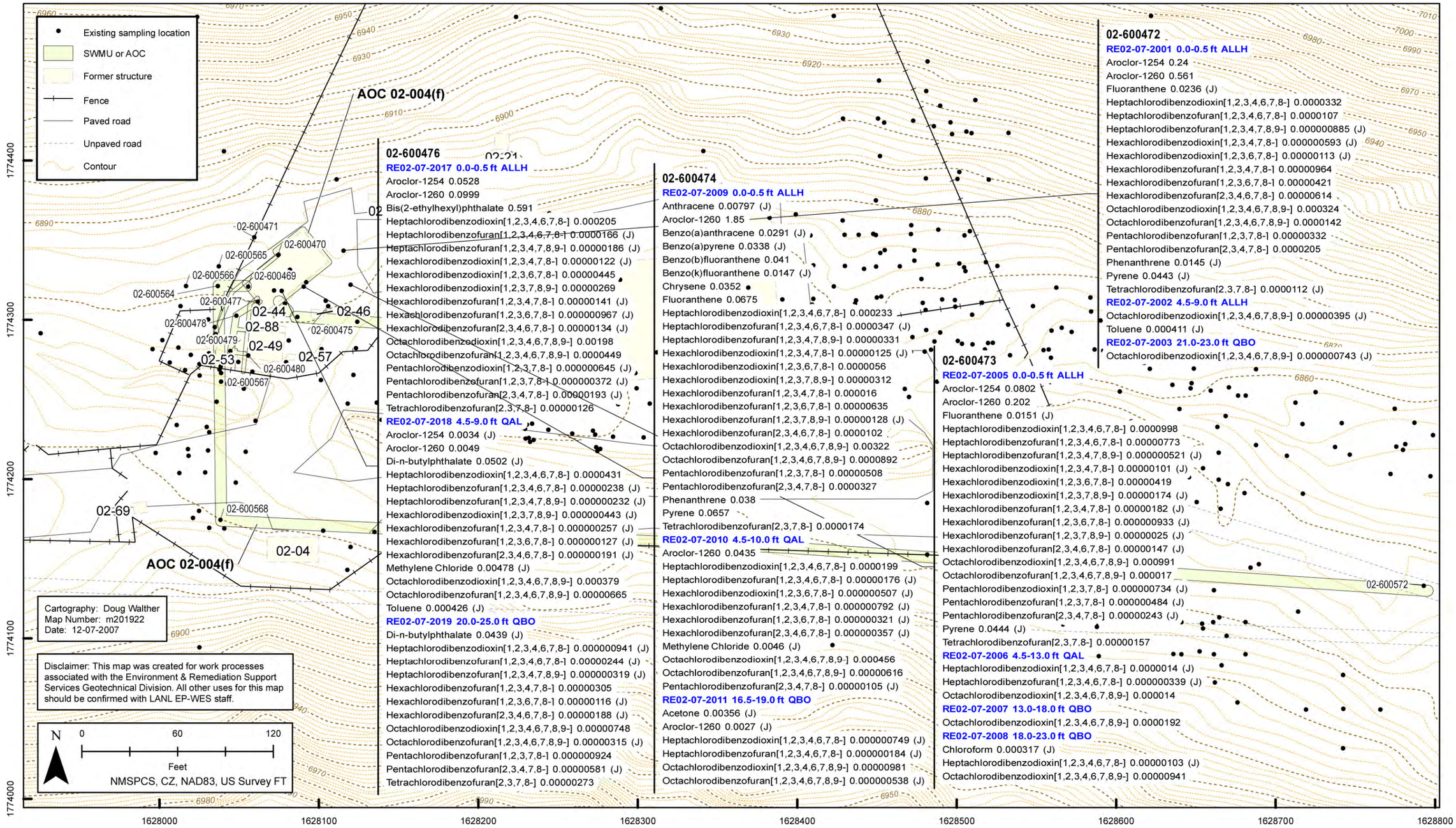
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.9-1 Organic chemicals detected at AOC 02-004(f) (1 of 5)



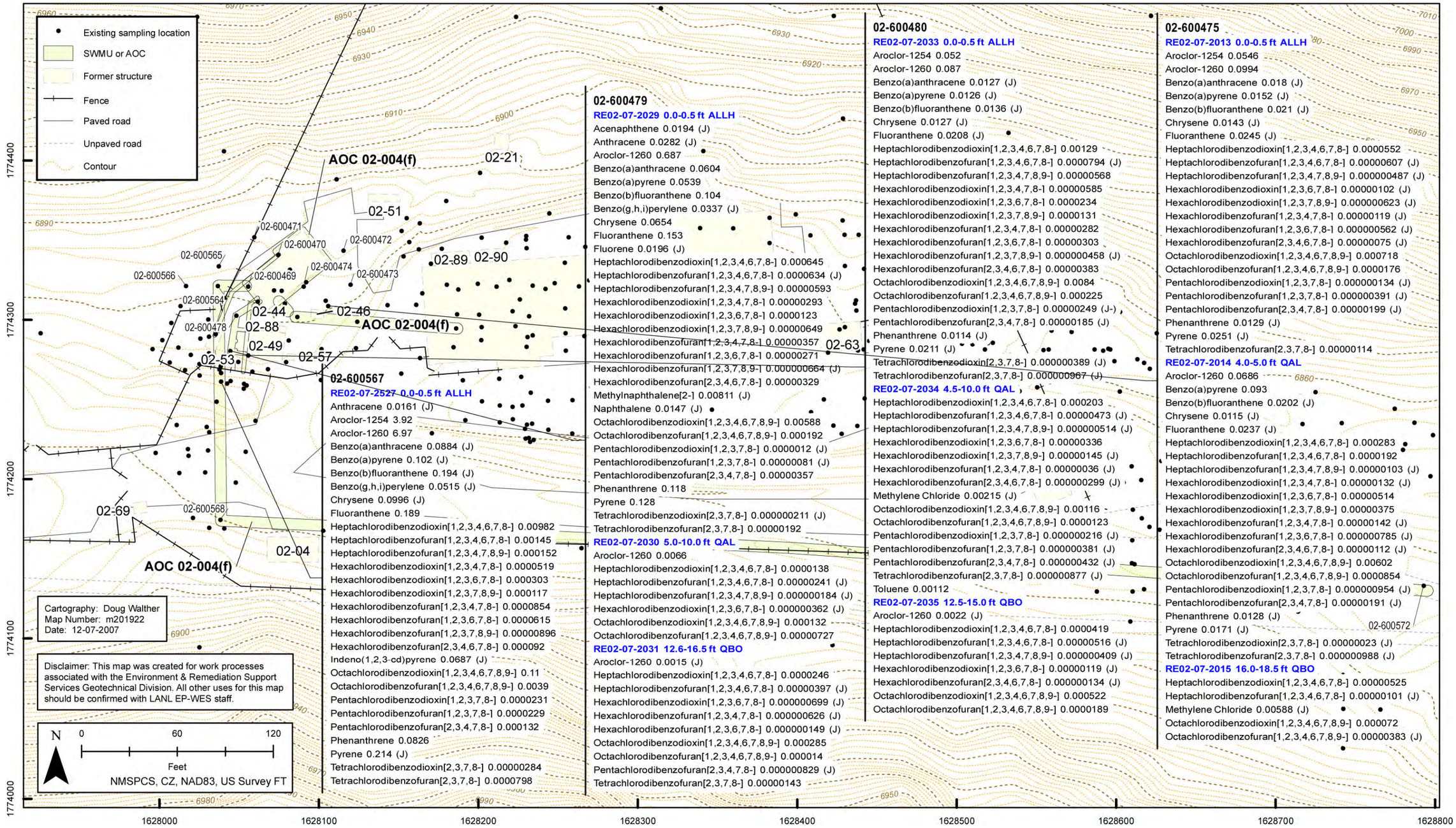
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.9-1 Organic chemicals detected at AOC 02-004(f) (2 of 5)



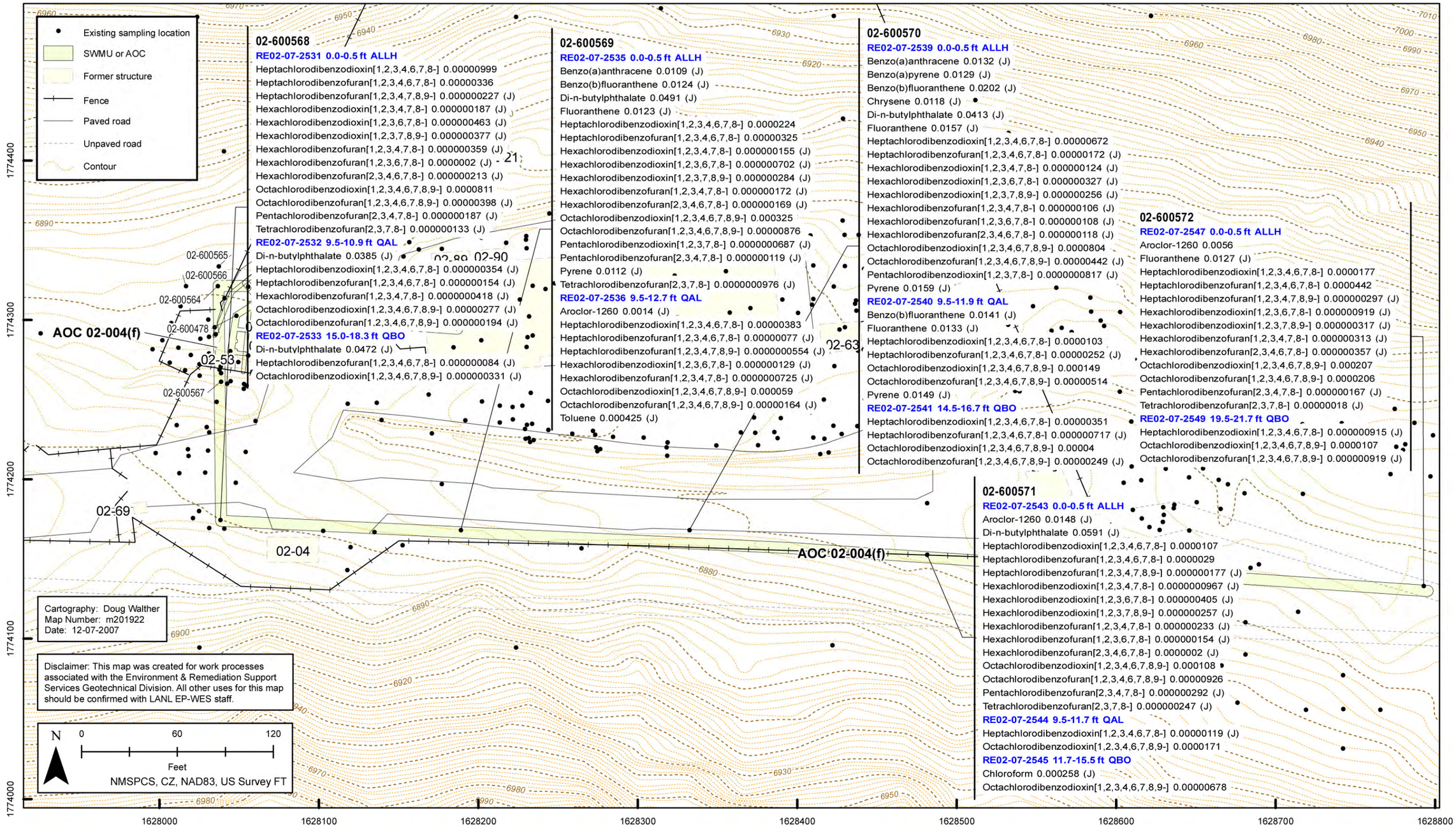
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.9-1 Organic chemicals detected at AOC 02-004(f) (3 of 5)



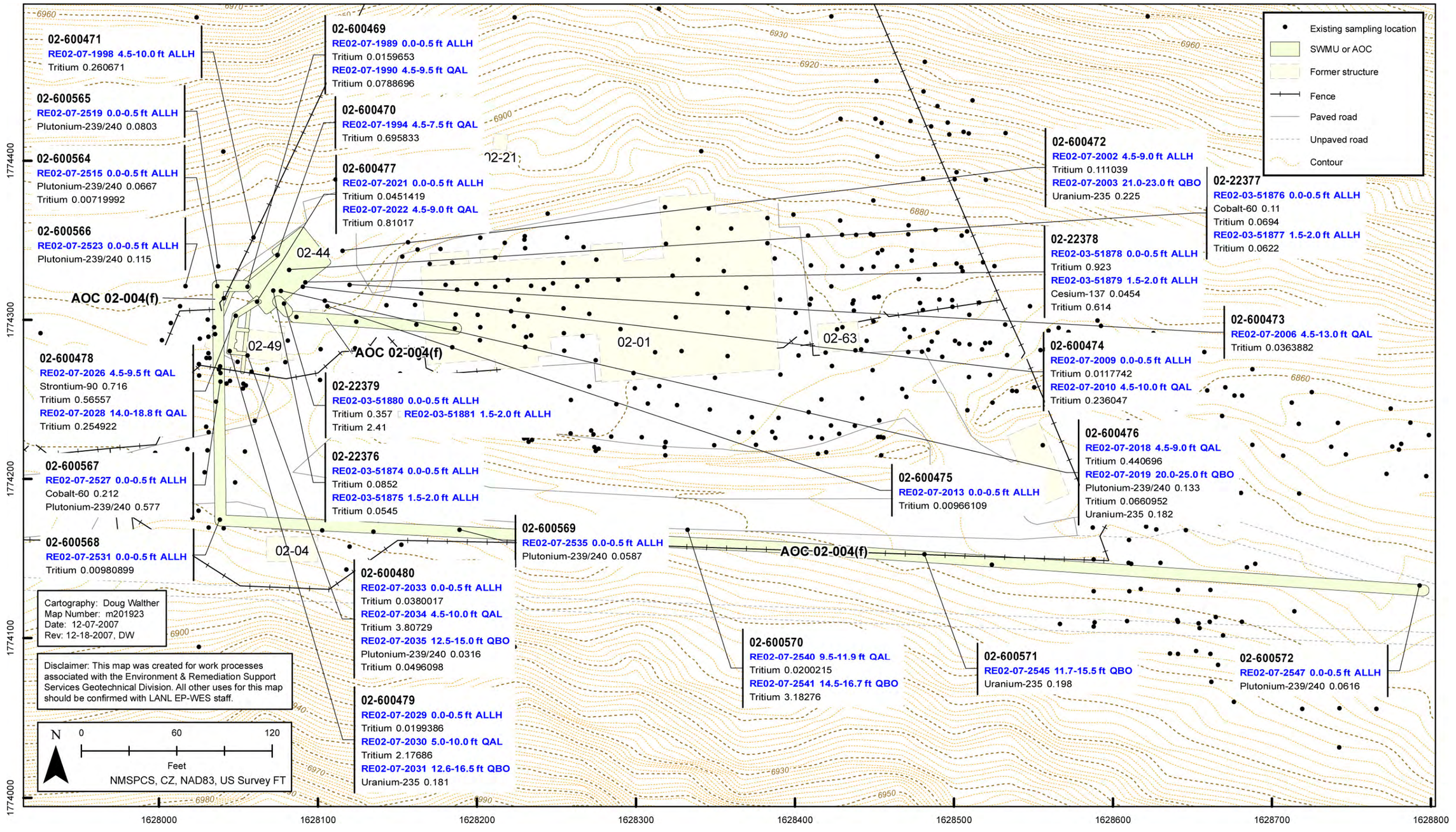
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.9-1 Organic chemicals detected at AOC 02-004(f) (4 of 5)



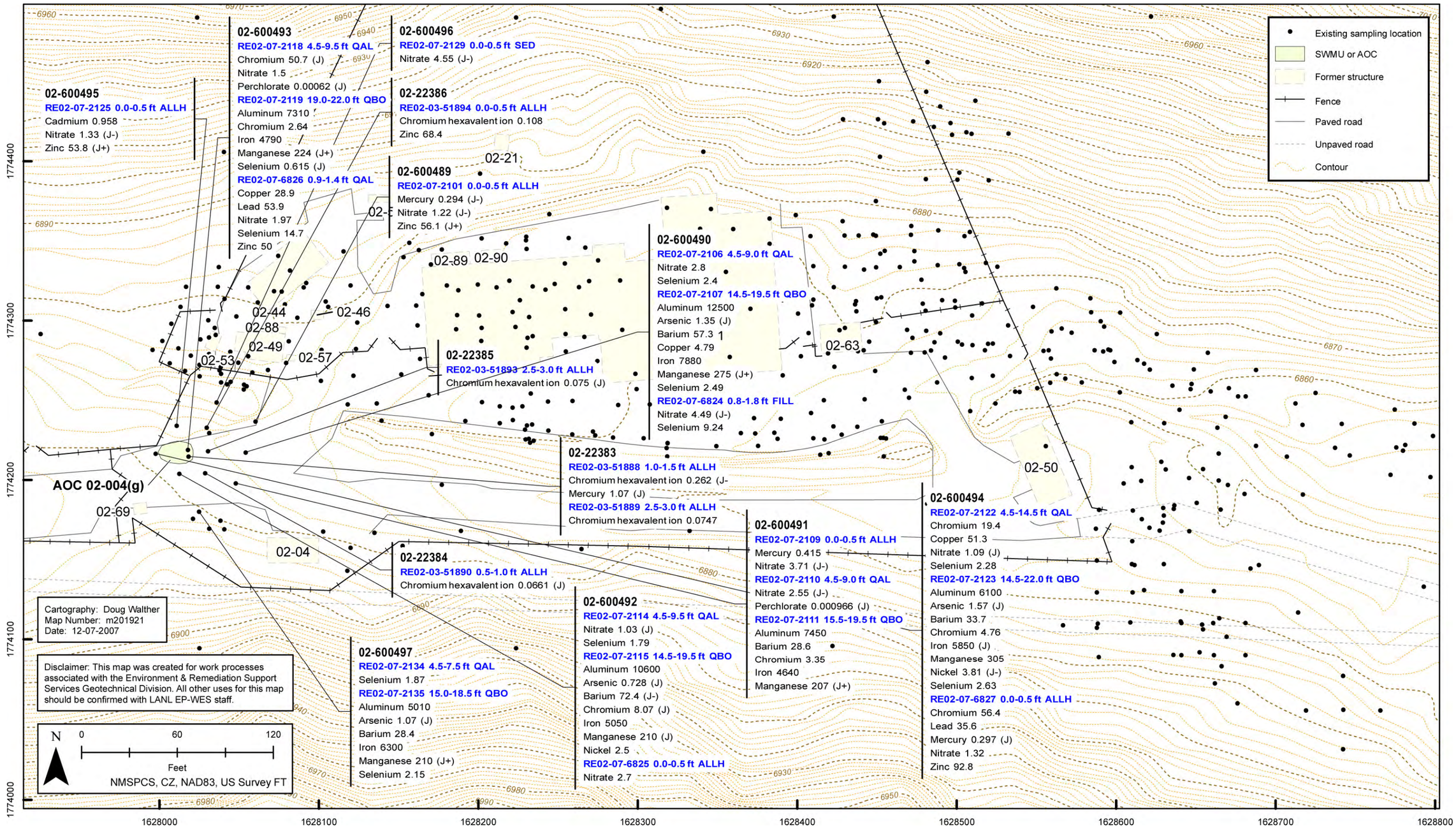
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.9-1 Organic chemicals detected at AOC 02-004(f) (5 of 5)



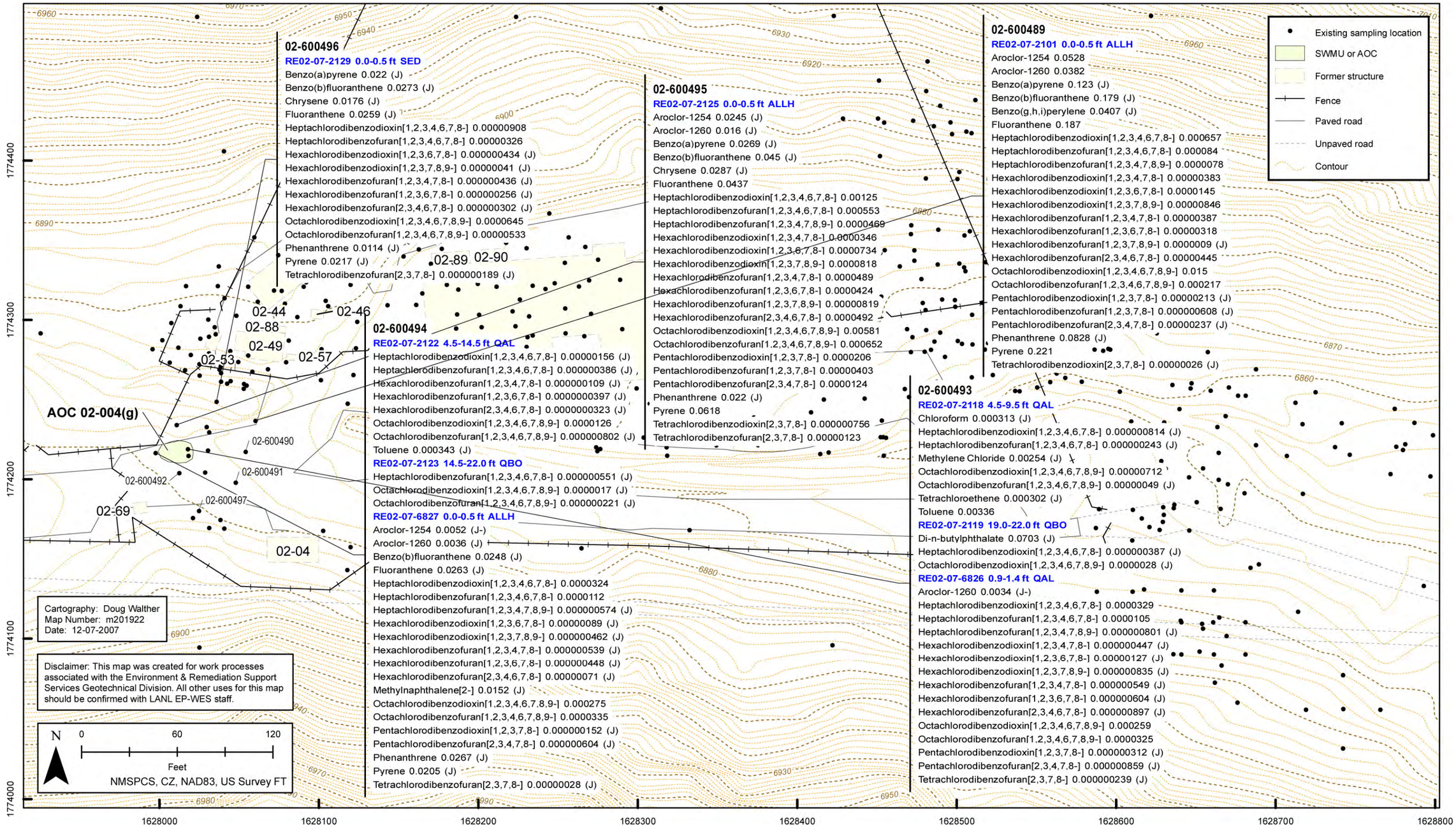
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.9-2 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-004(f)



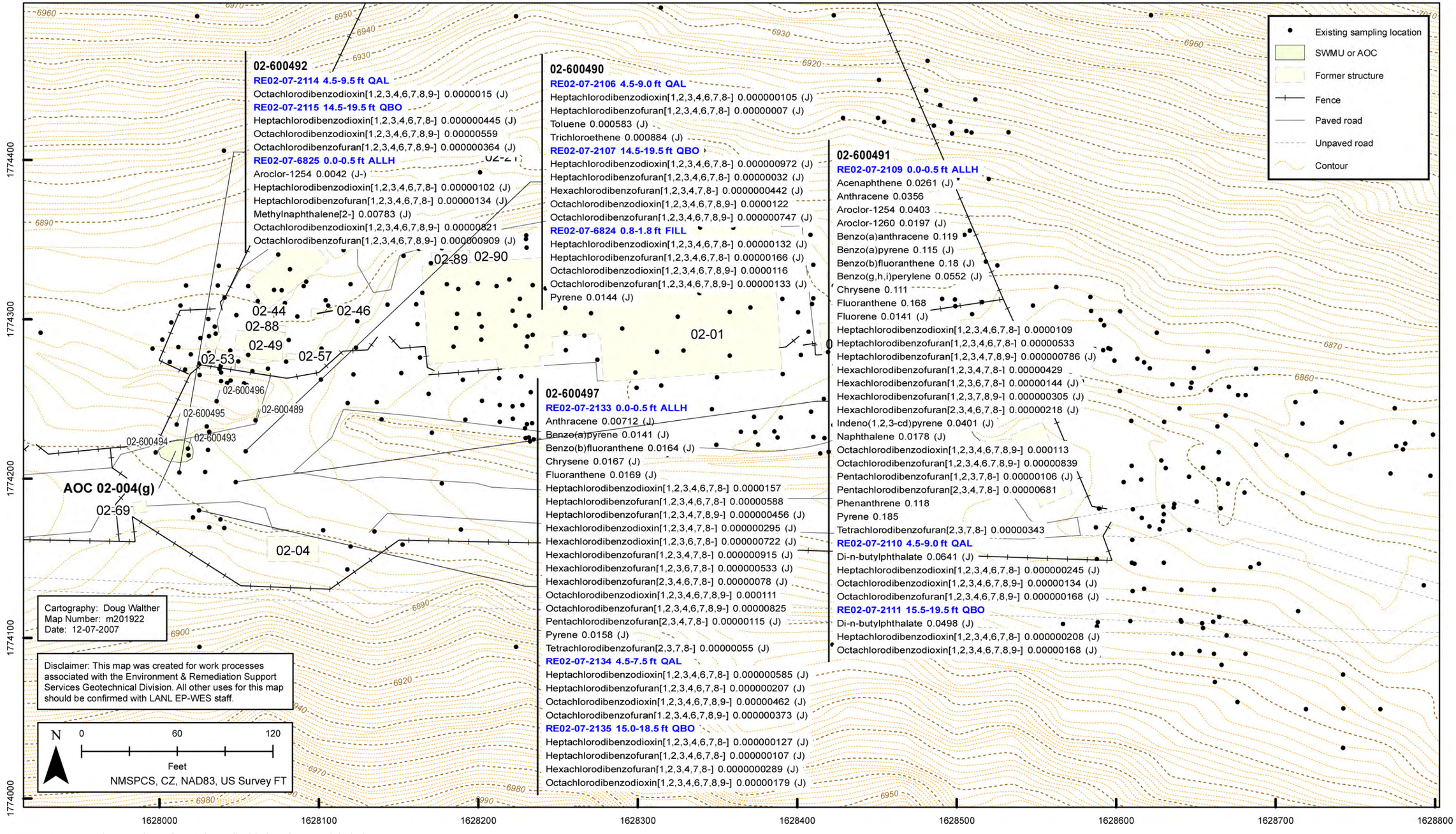
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.10-1 Inorganic COPCs detected or detected above BVs at AOC 02-004(g)



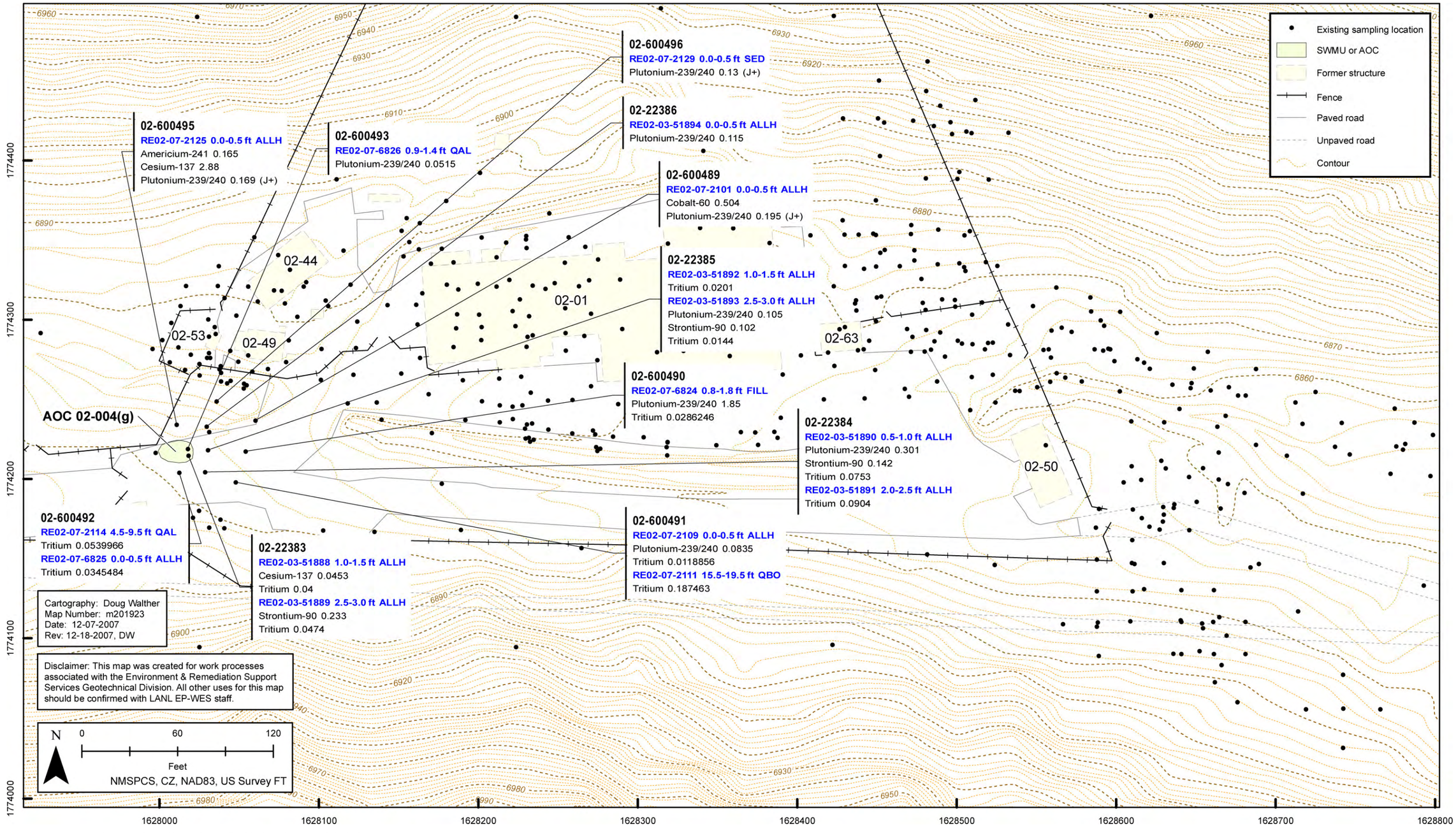
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.10-2 Organic chemicals detected at AOC 02-004(g) (1 of 2)



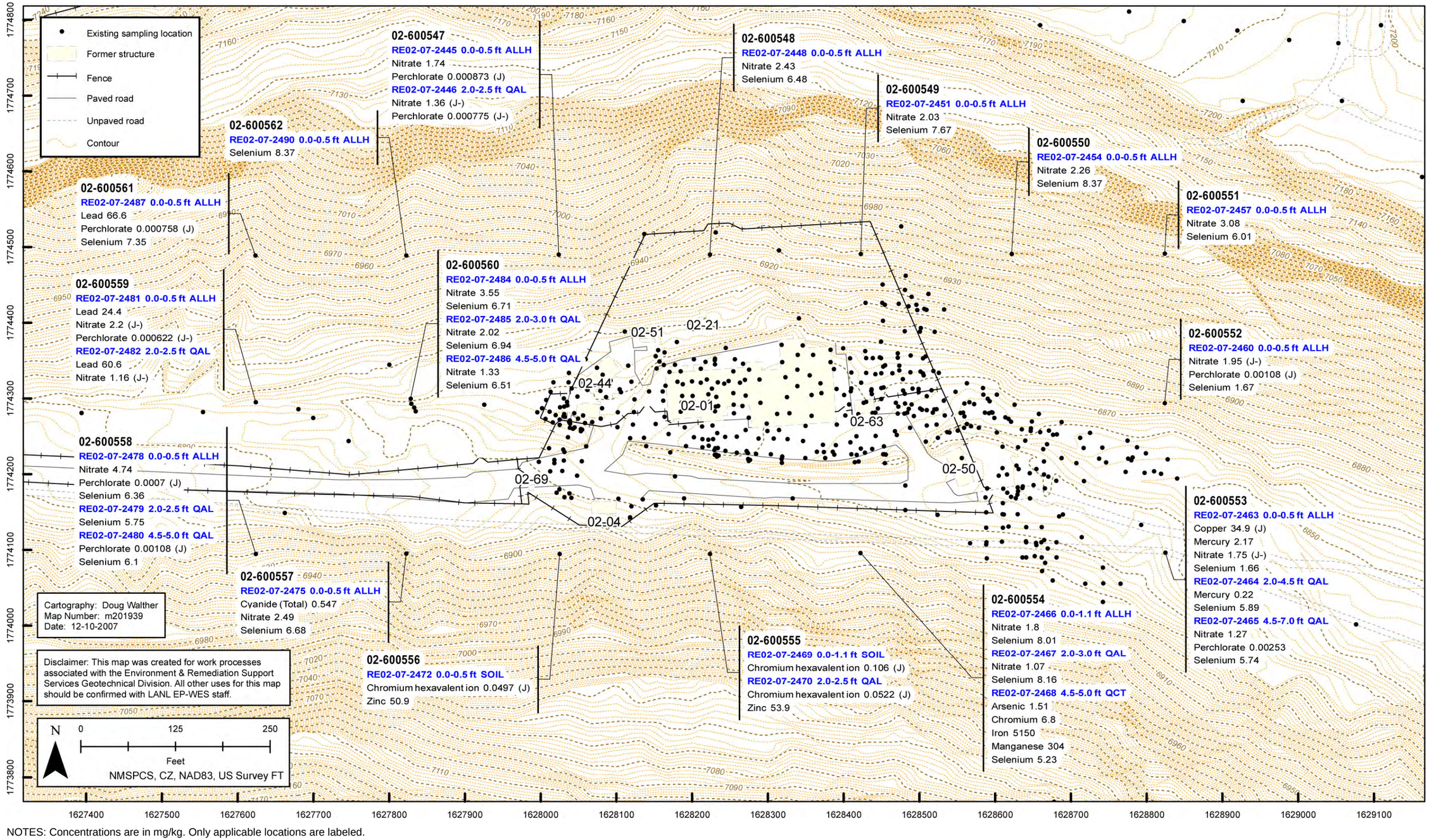
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.10-2 Organic chemicals detected at AOC 02-004(g) (2 of 2)



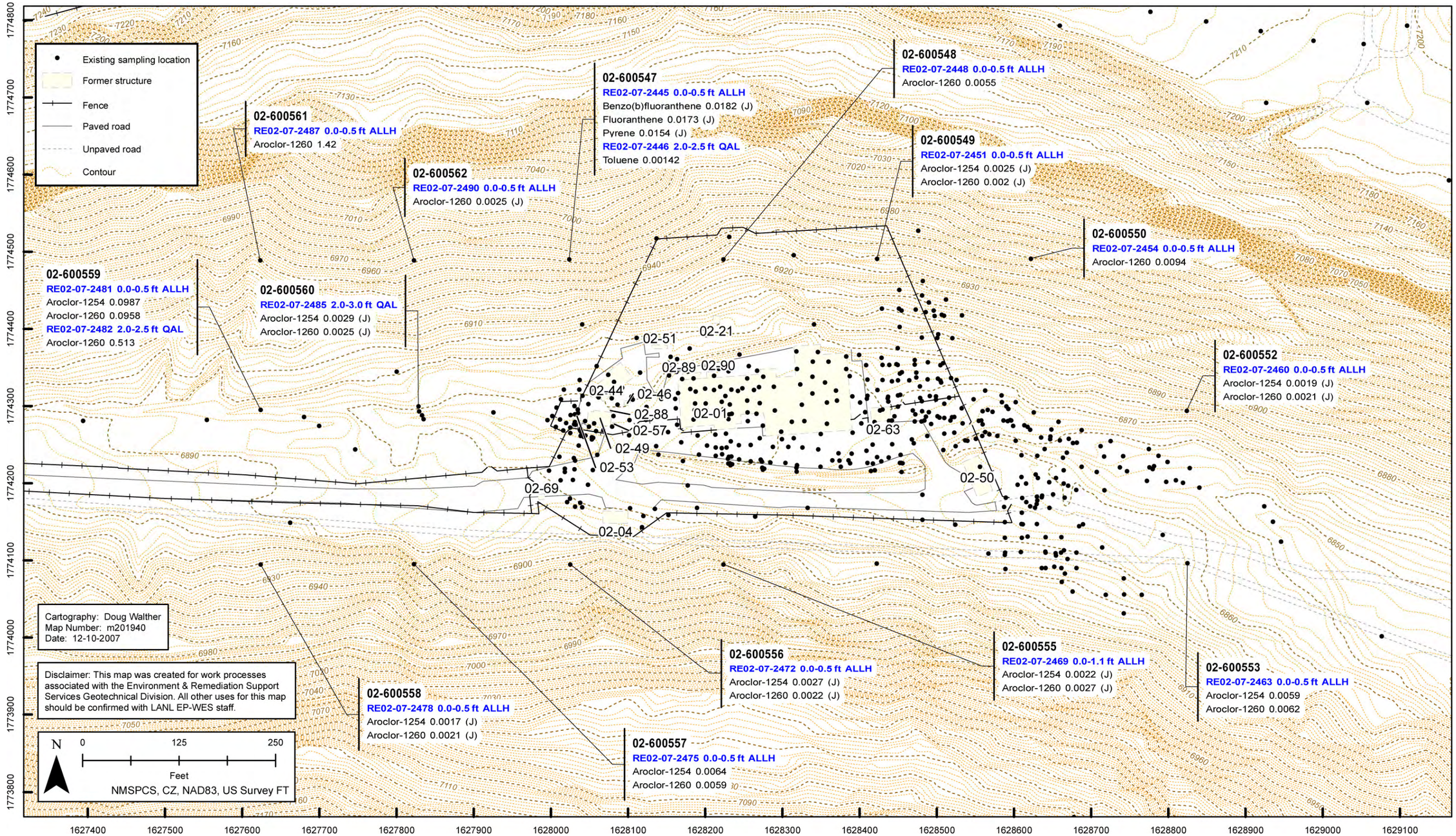
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.10-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-004(g)



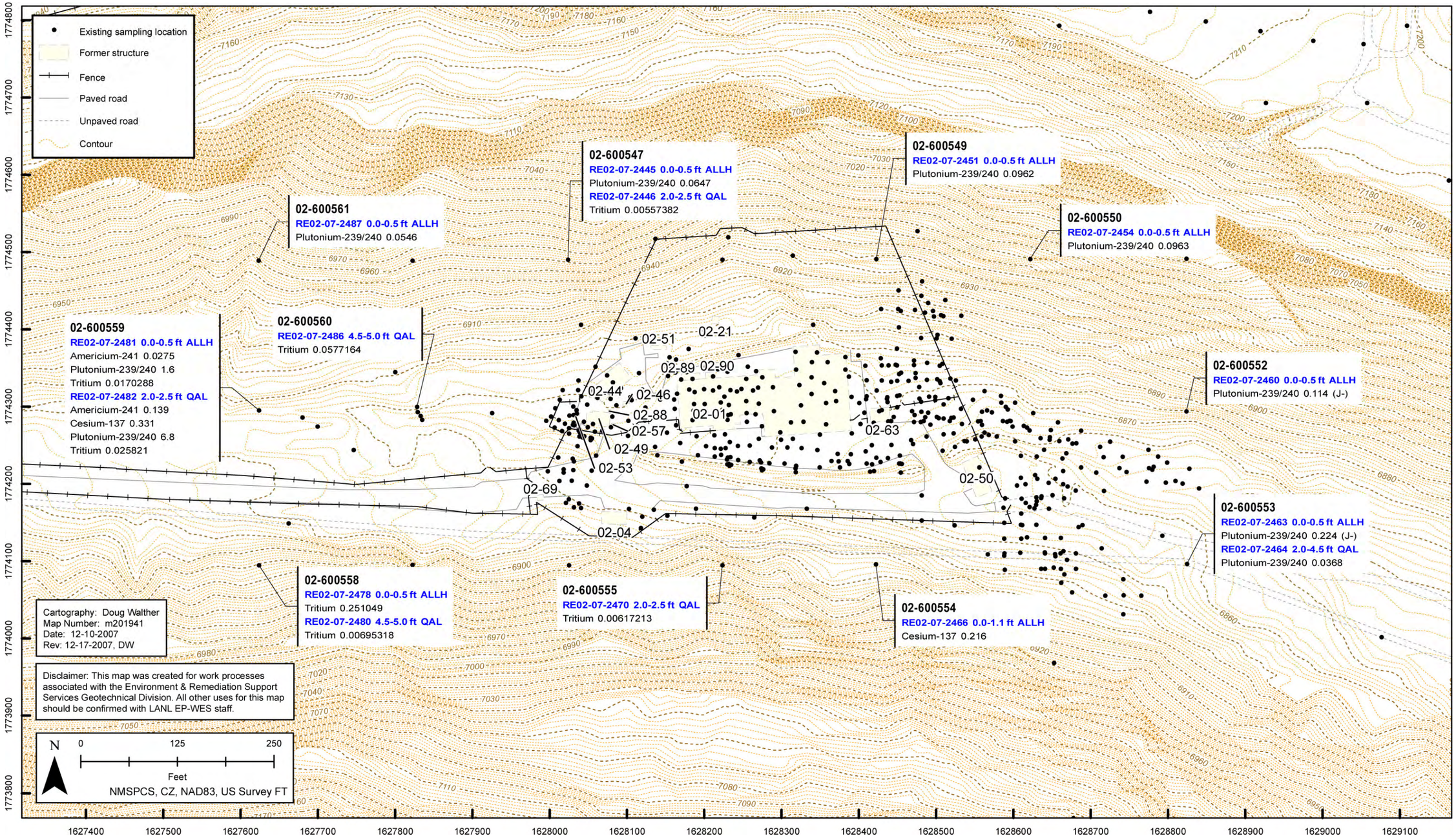
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.11-1 Inorganic COPCs detected or detected above BVs at SWMU 02-005



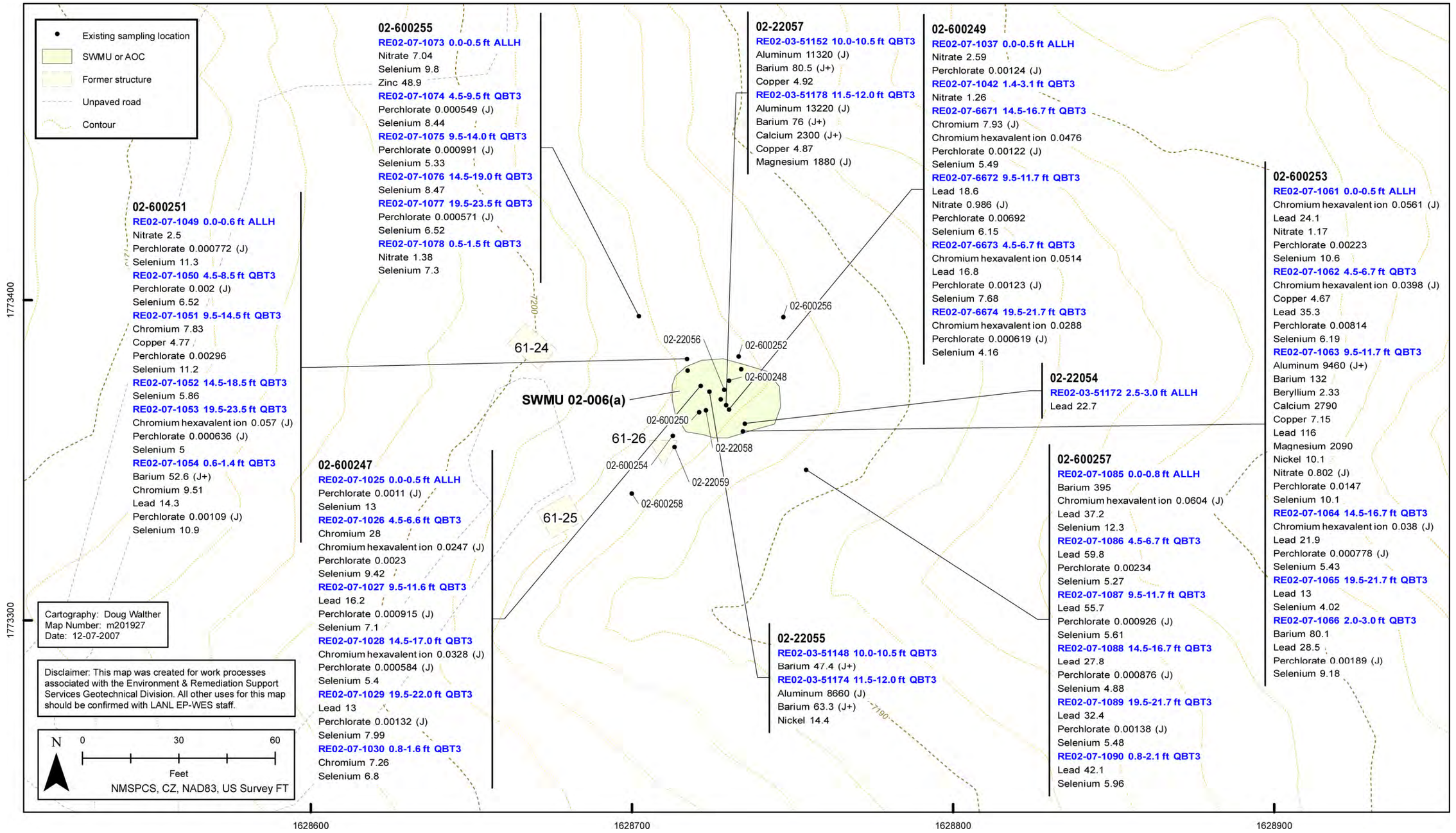
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.11-2 Organic chemicals detected at SWMU 02-005



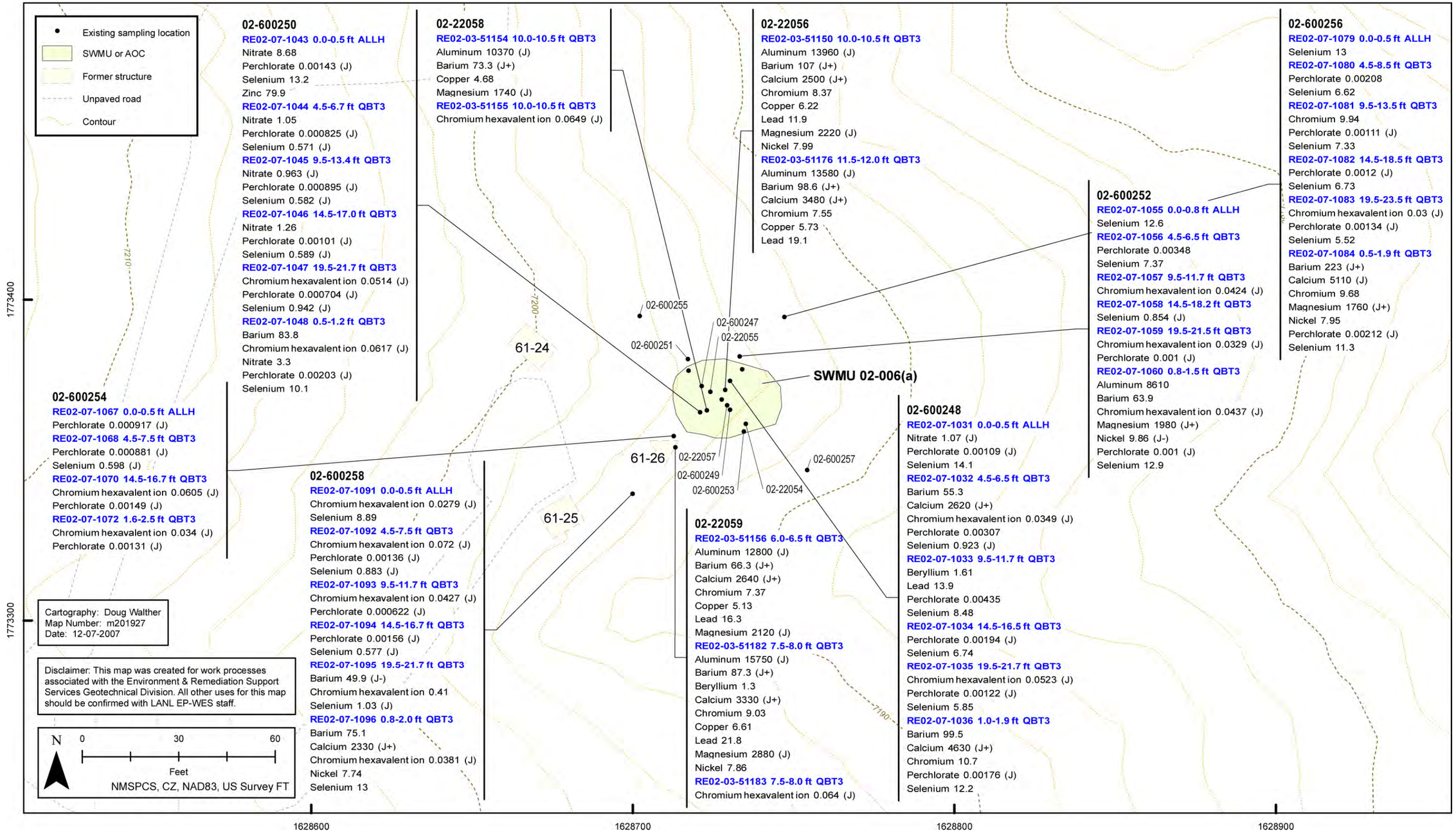
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.11-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 02-005



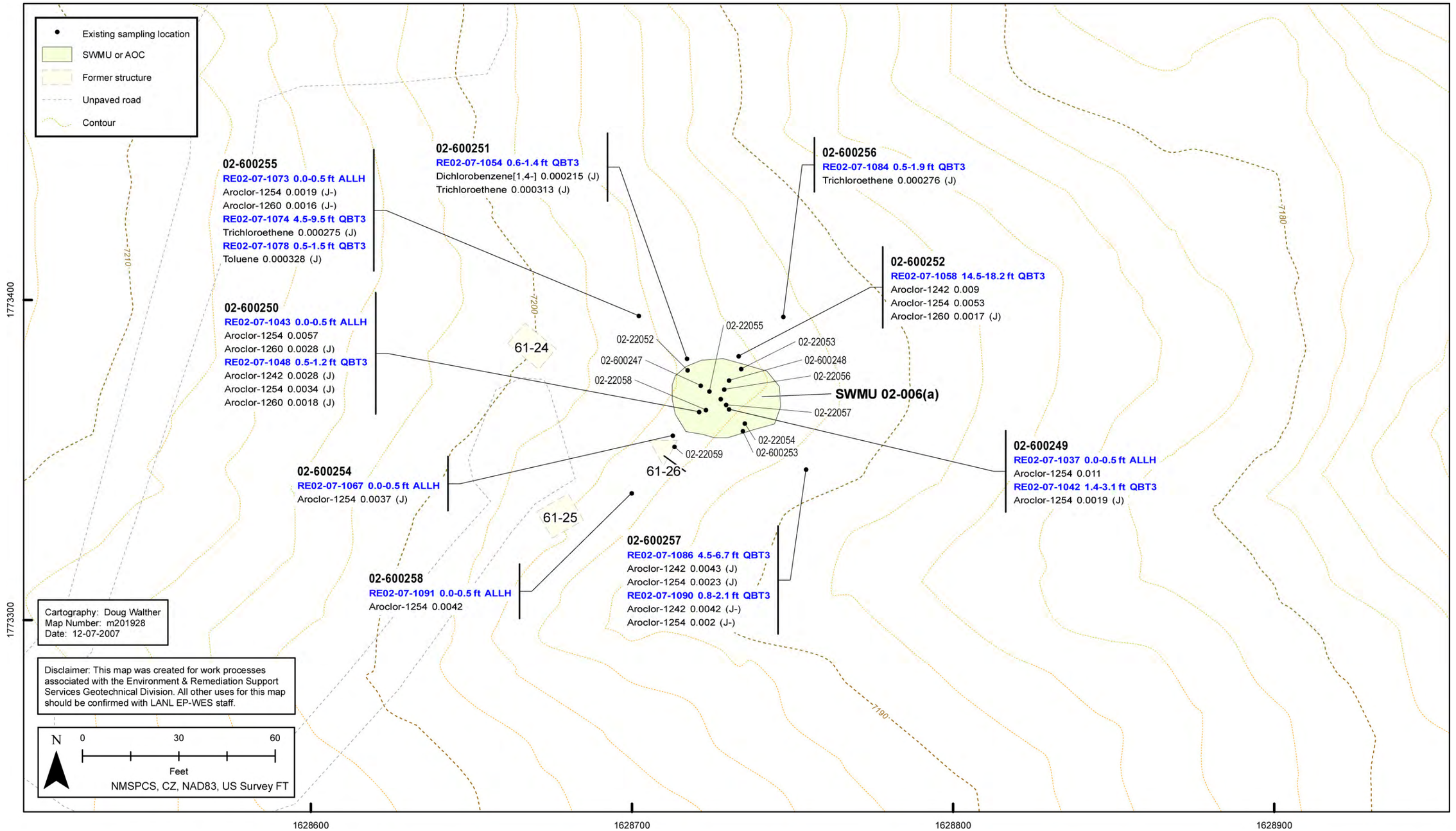
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.12-1 Inorganic COPCs detected or detected above BVs at SWMU 02-006(a) (1 of 2)



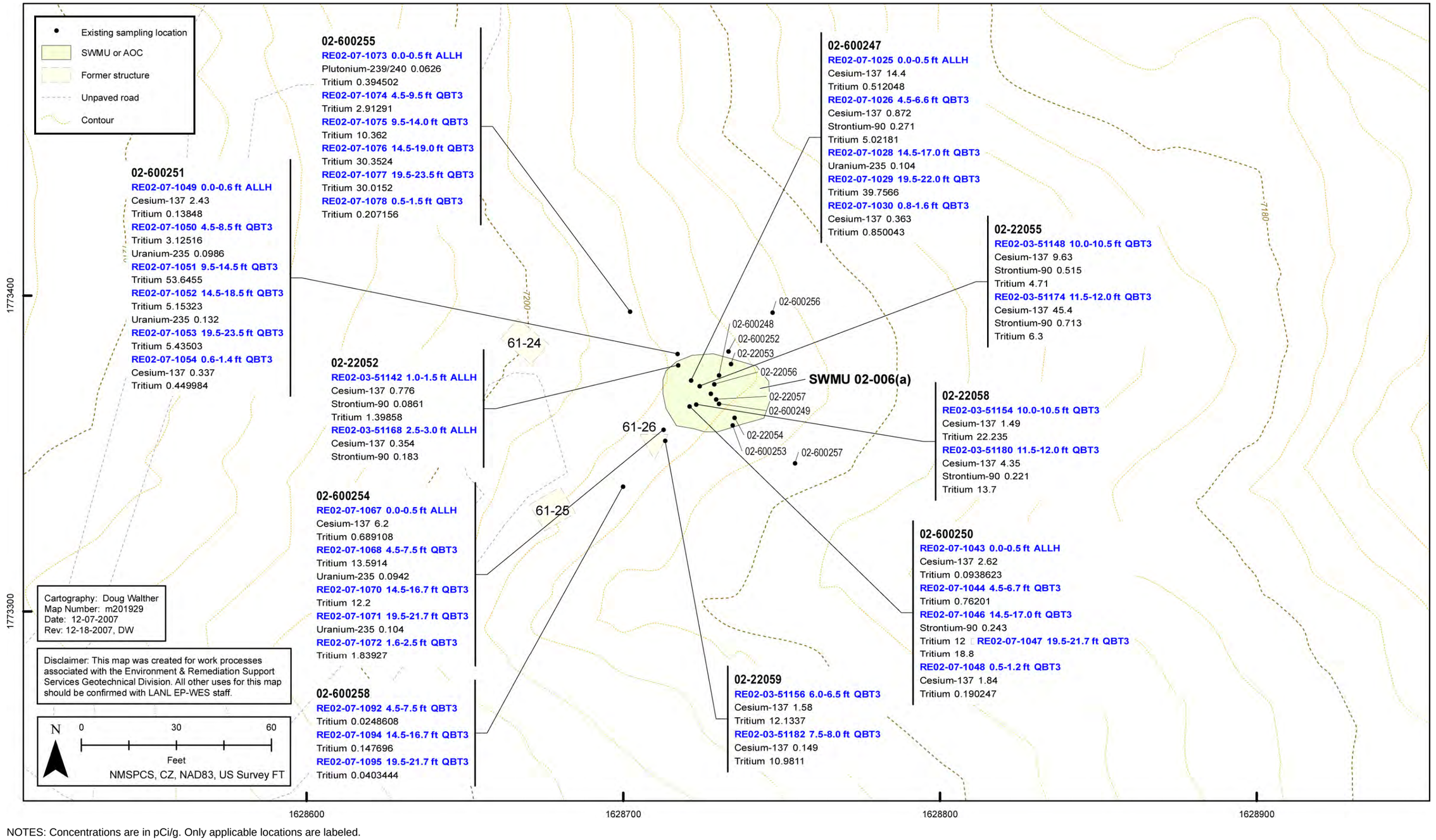
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.12-1 Inorganic COPCs detected or detected above BVs at SWMU 02-006(a) (2 of 2)



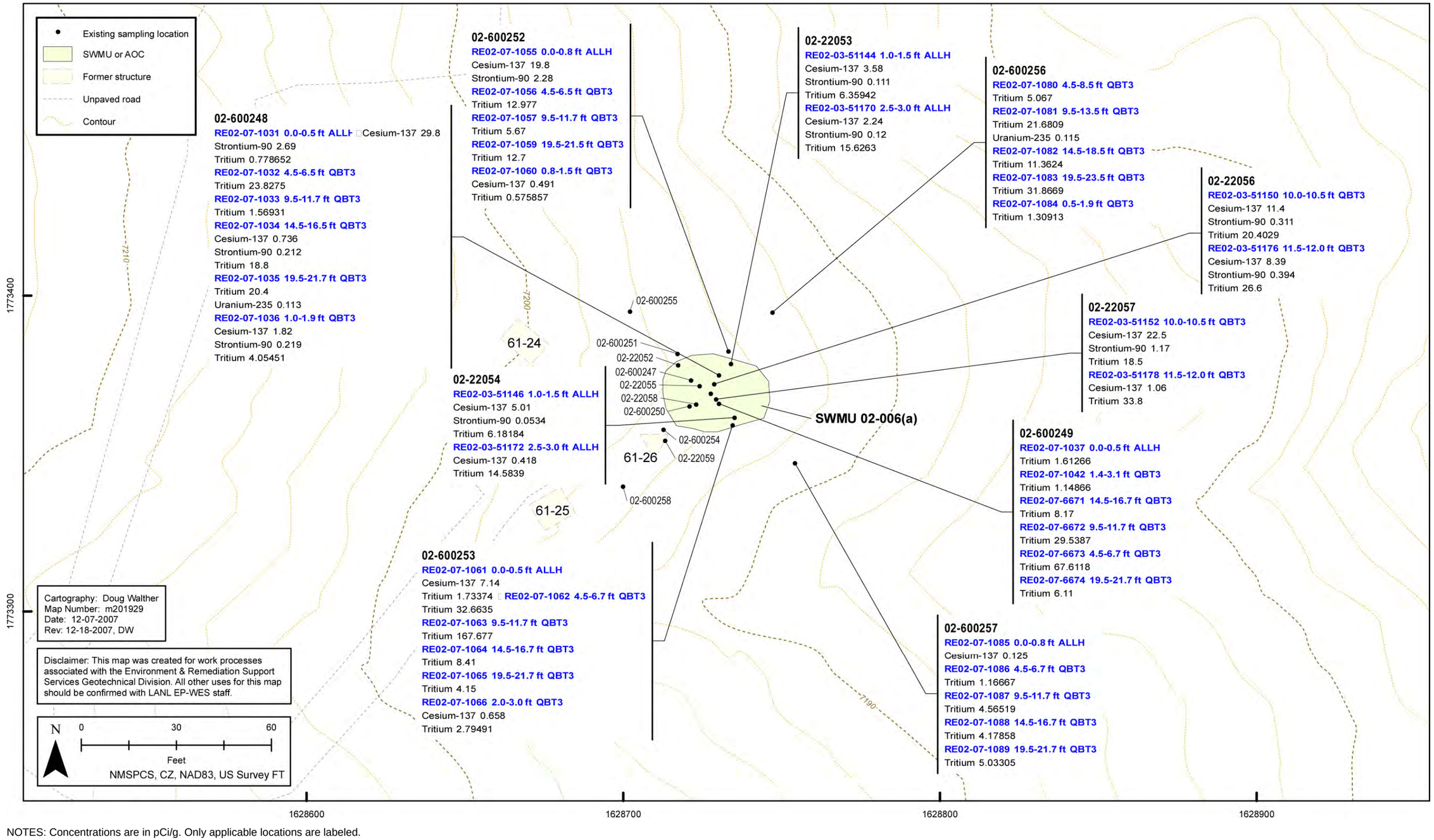
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.12-2 Organic chemicals detected at SWMU 02-006(a)



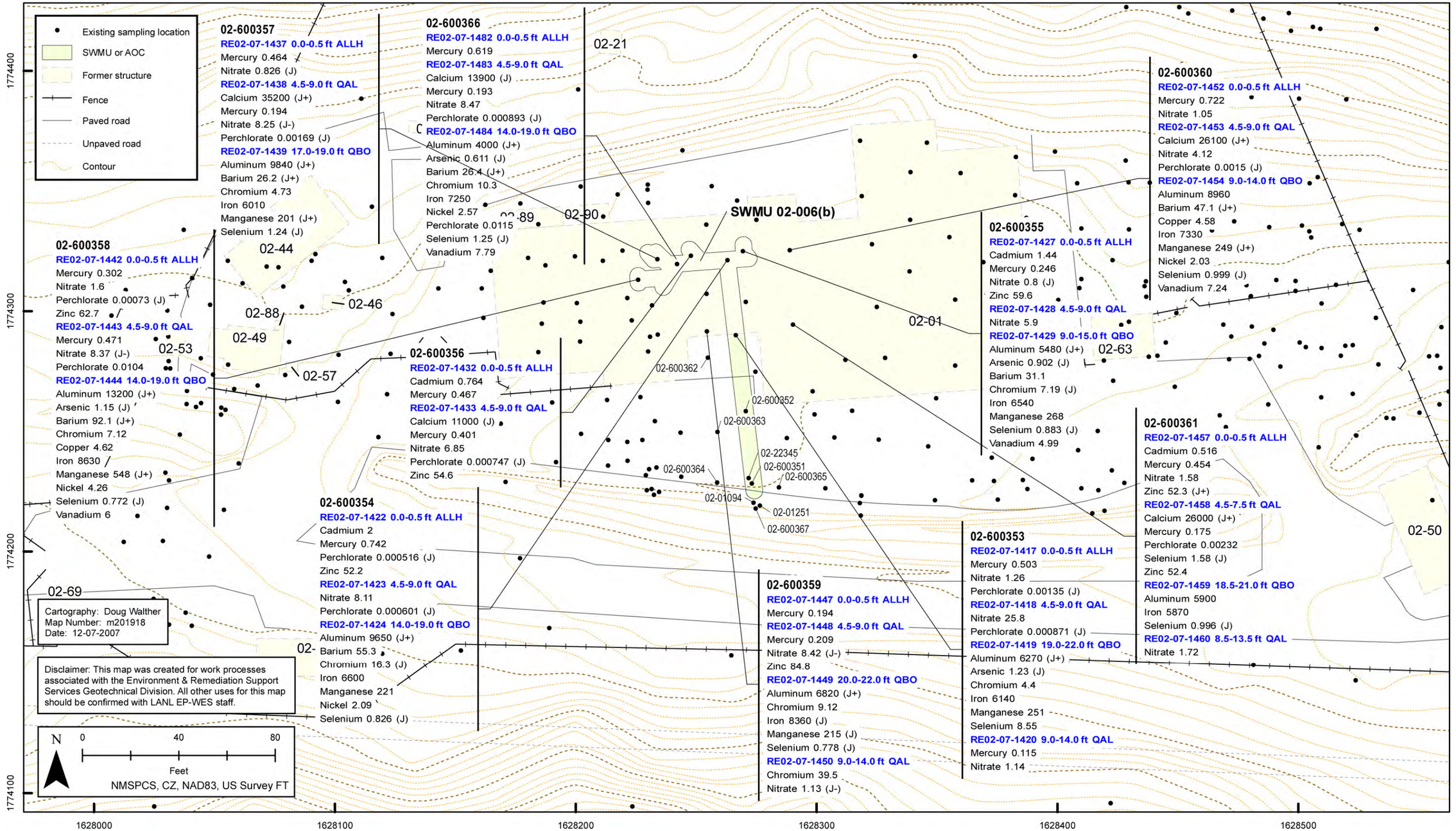
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.12-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 02-006(a) (1 of 2)



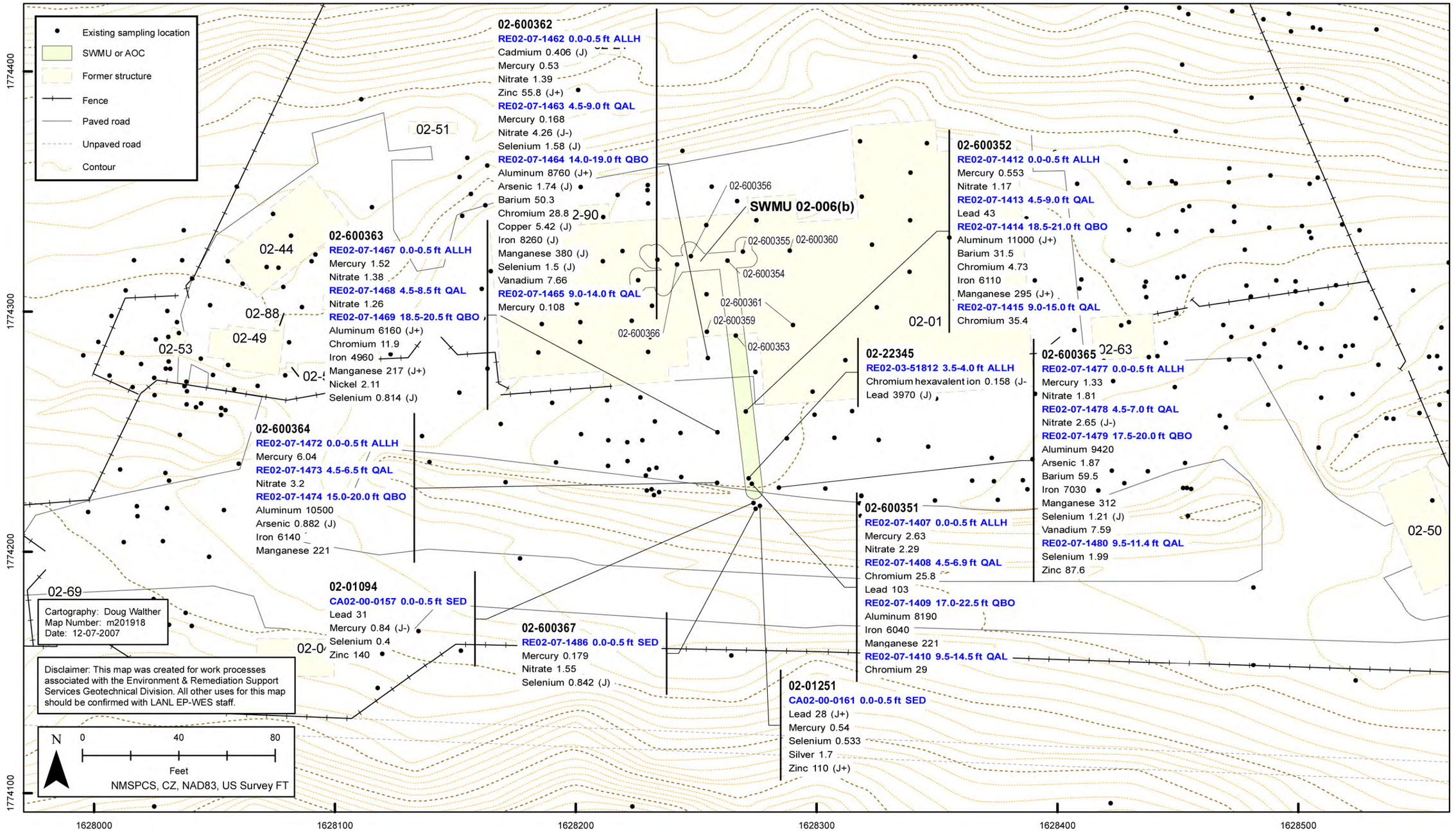
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.12-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 02-006(a) (2 of 2)



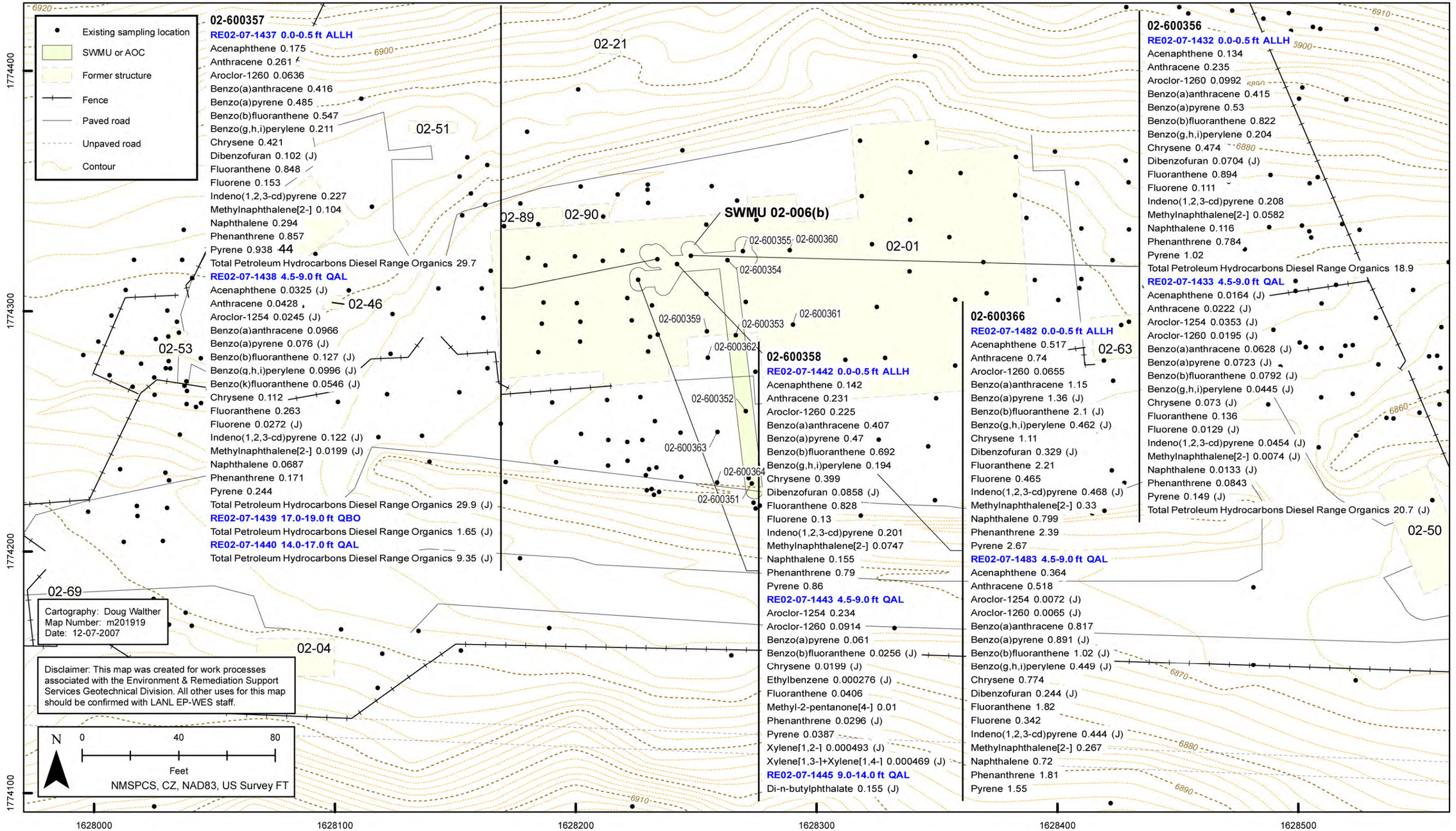
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-1 Inorganic COPCs detected or detected above BVs at SWMU 02-006(b) (1 of 2)



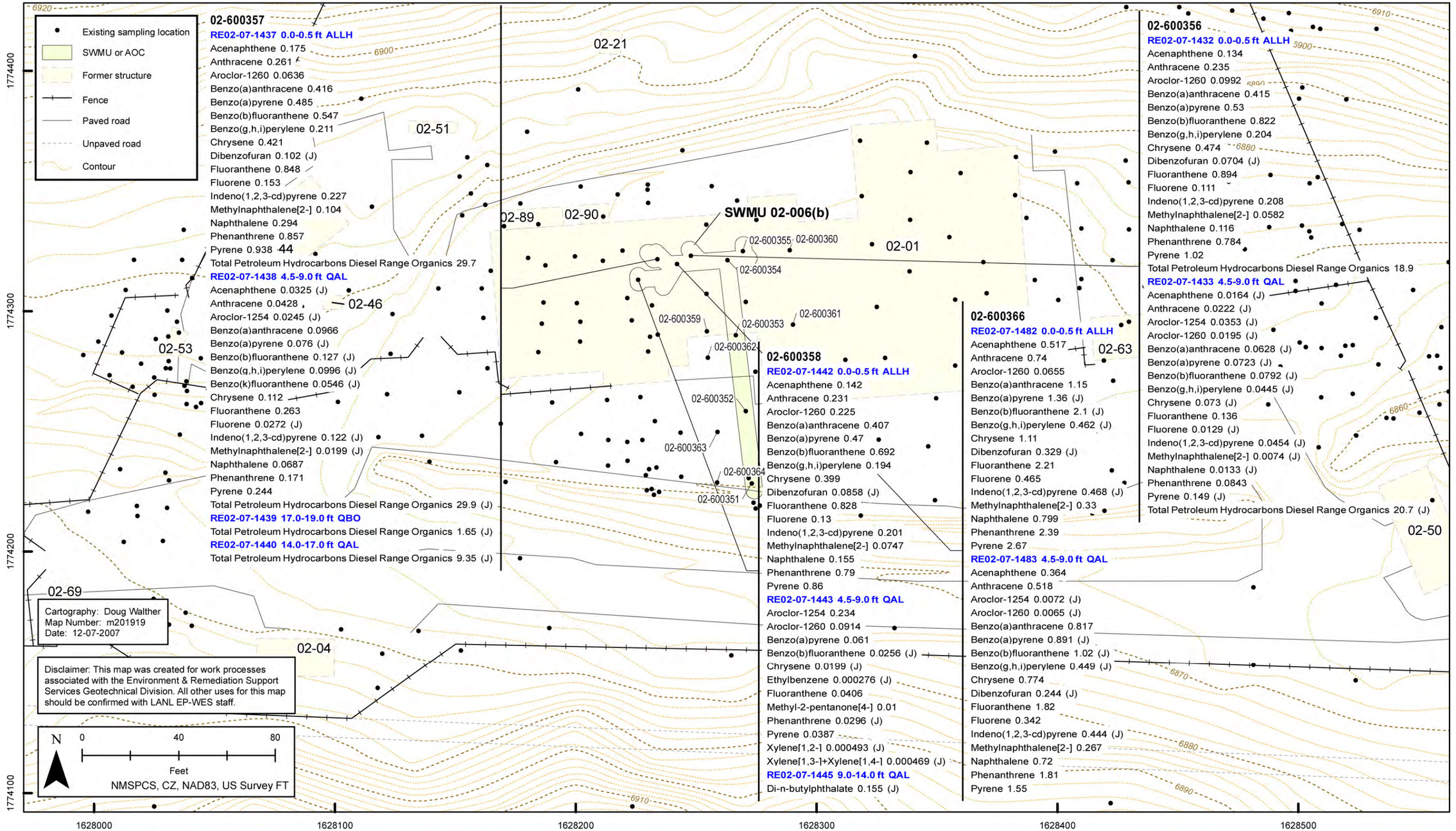
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-1 Inorganic COPCs detected or detected above BVs at SWMU 02-006(b) (2 of 2)



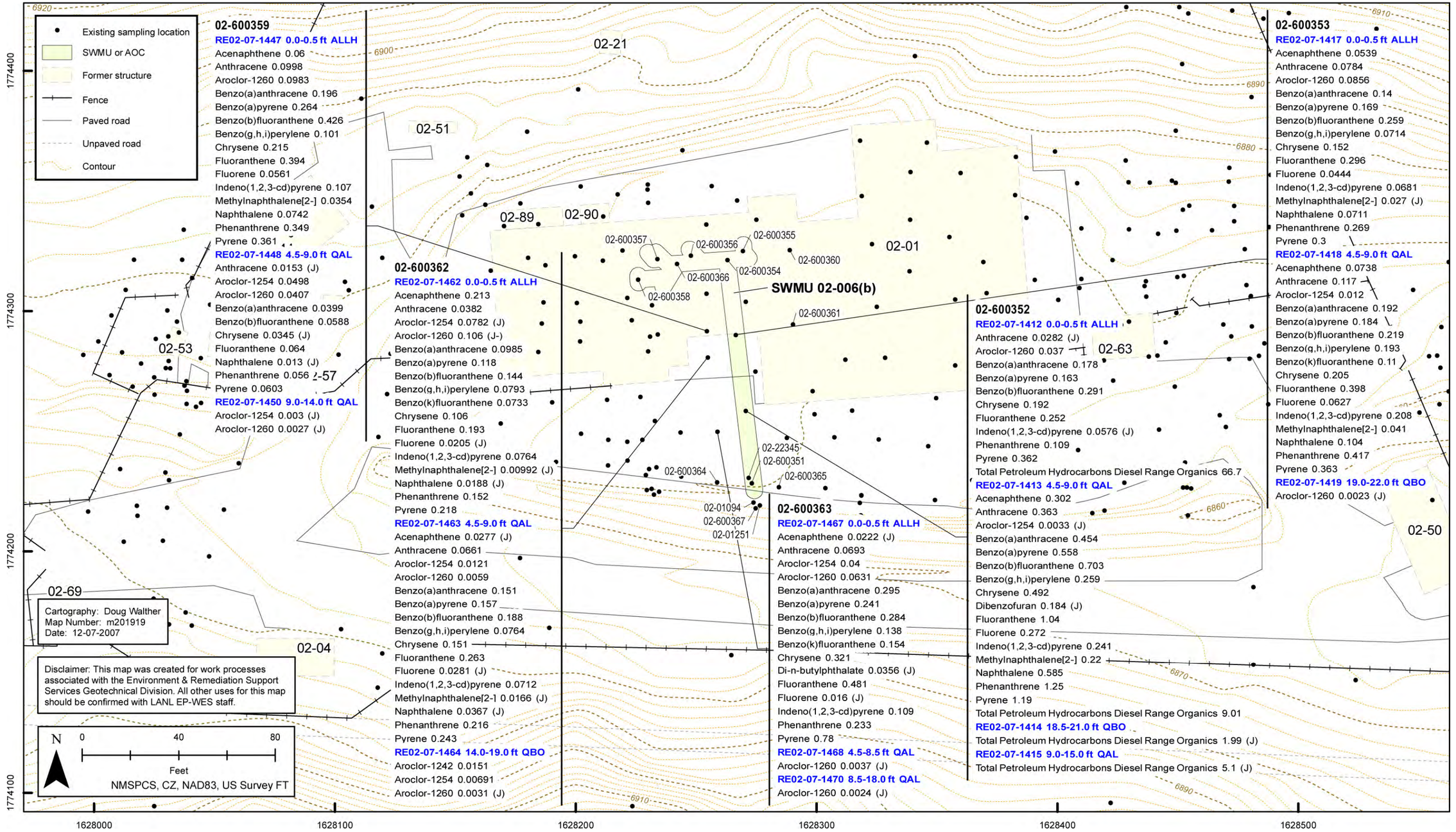
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-2 Organic chemicals detected at SWMU 02-006(b) (1 of 4)



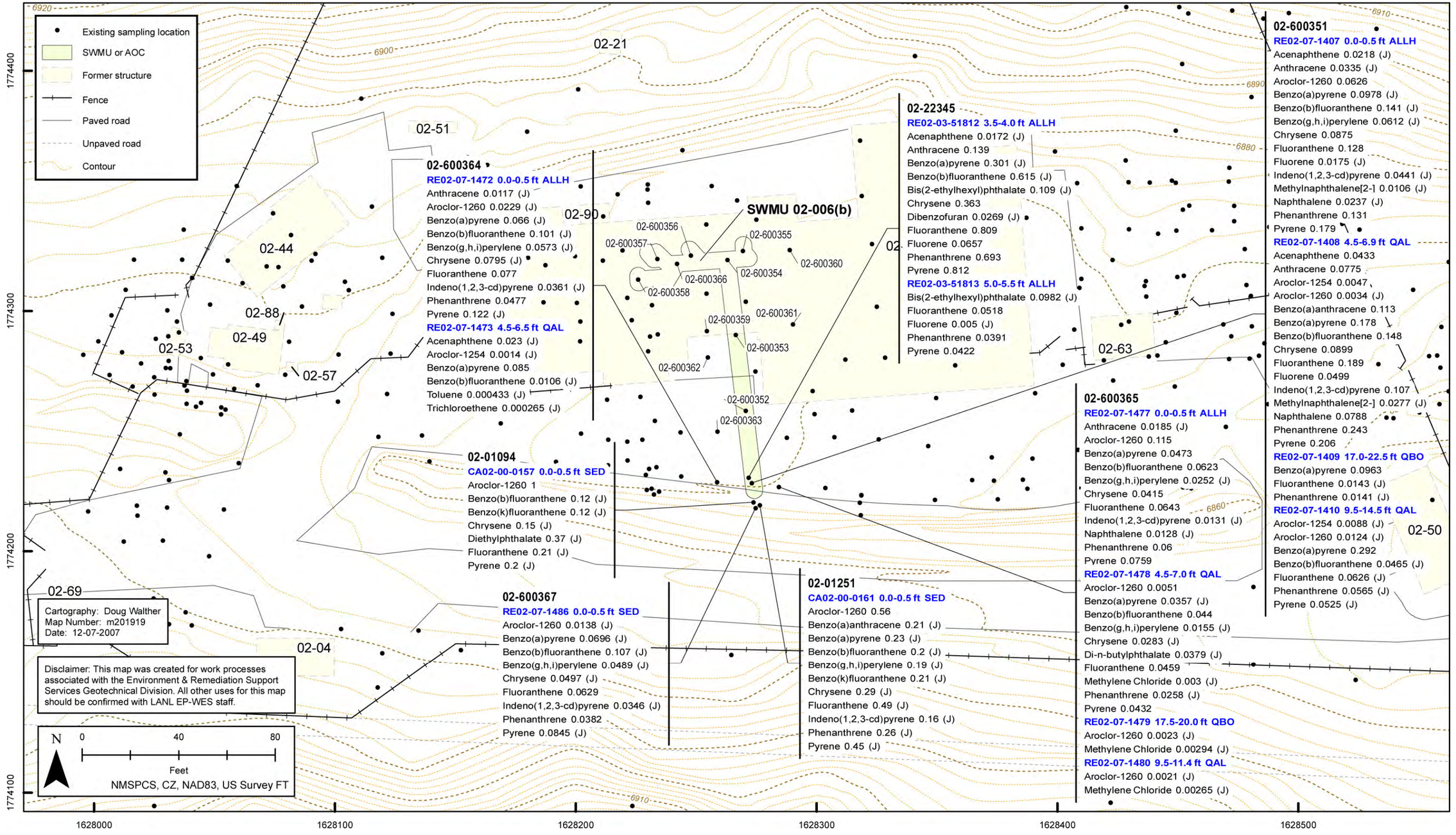
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-2 Organic chemicals detected at SWMU 02-006(b) (2 of 4)



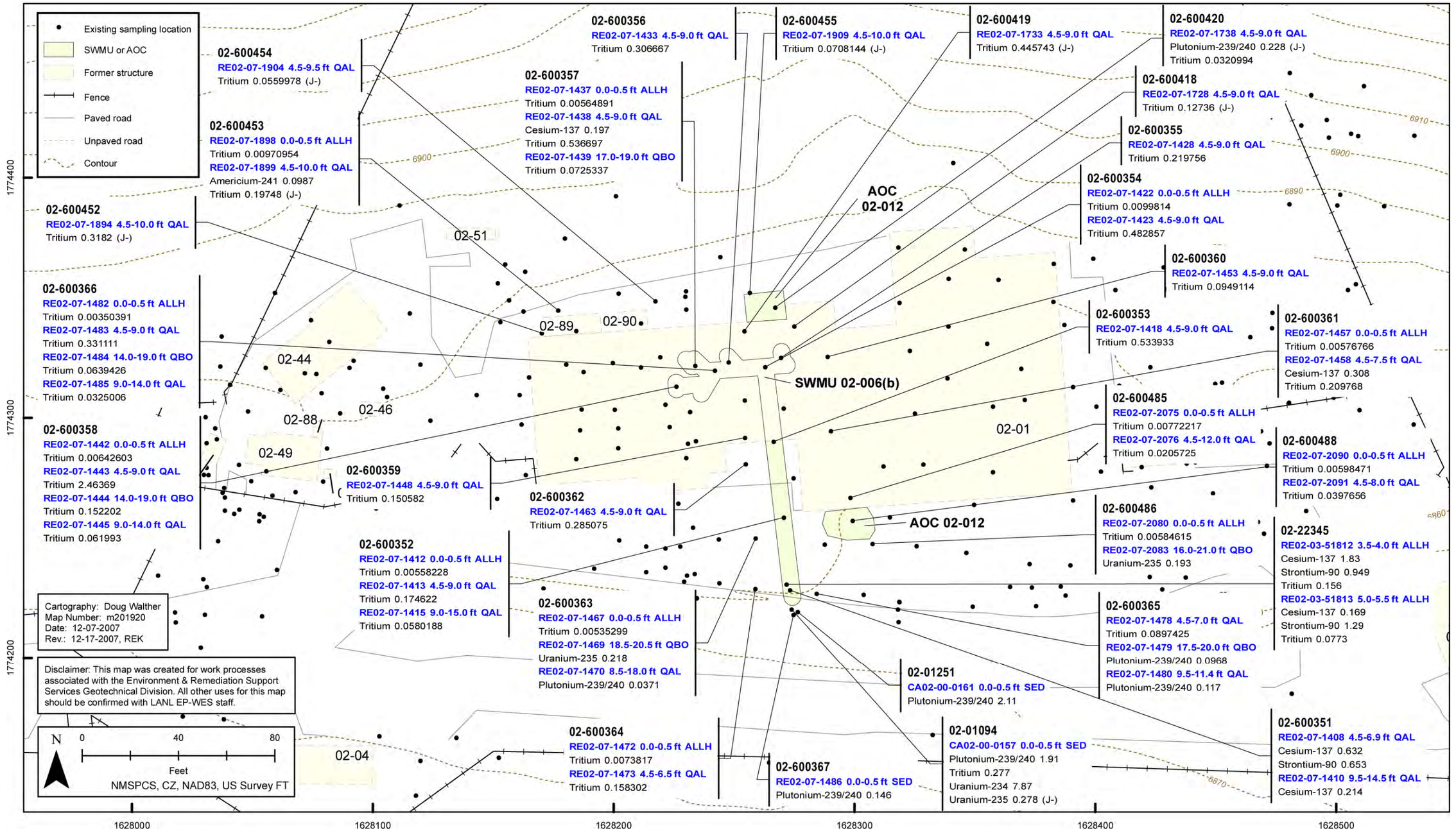
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-2 Organic chemicals detected at SWMU 02-006(b) (3 of 4)



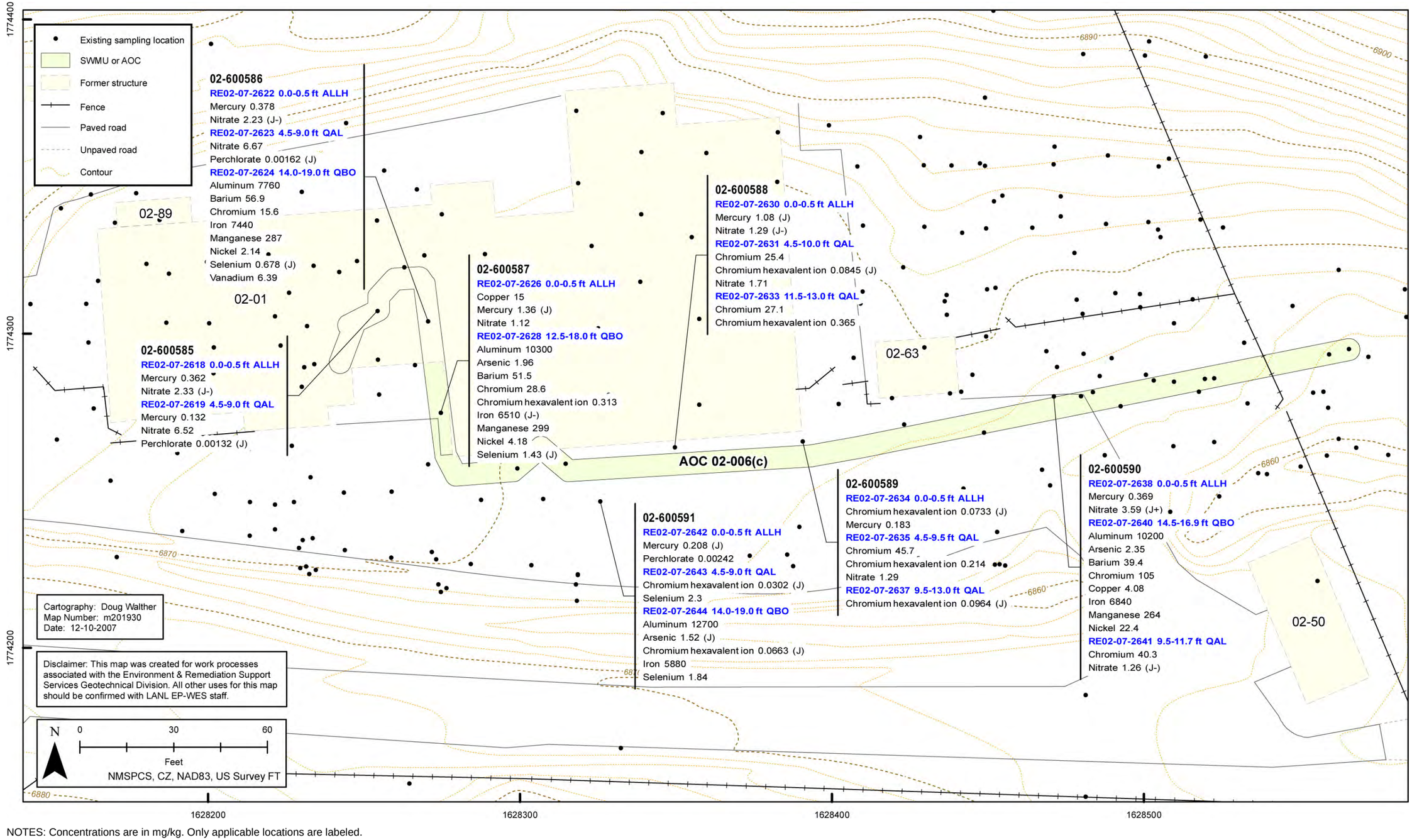
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.13-2 Organic chemicals detected at SWMU 02-006(b) (4 of 4)



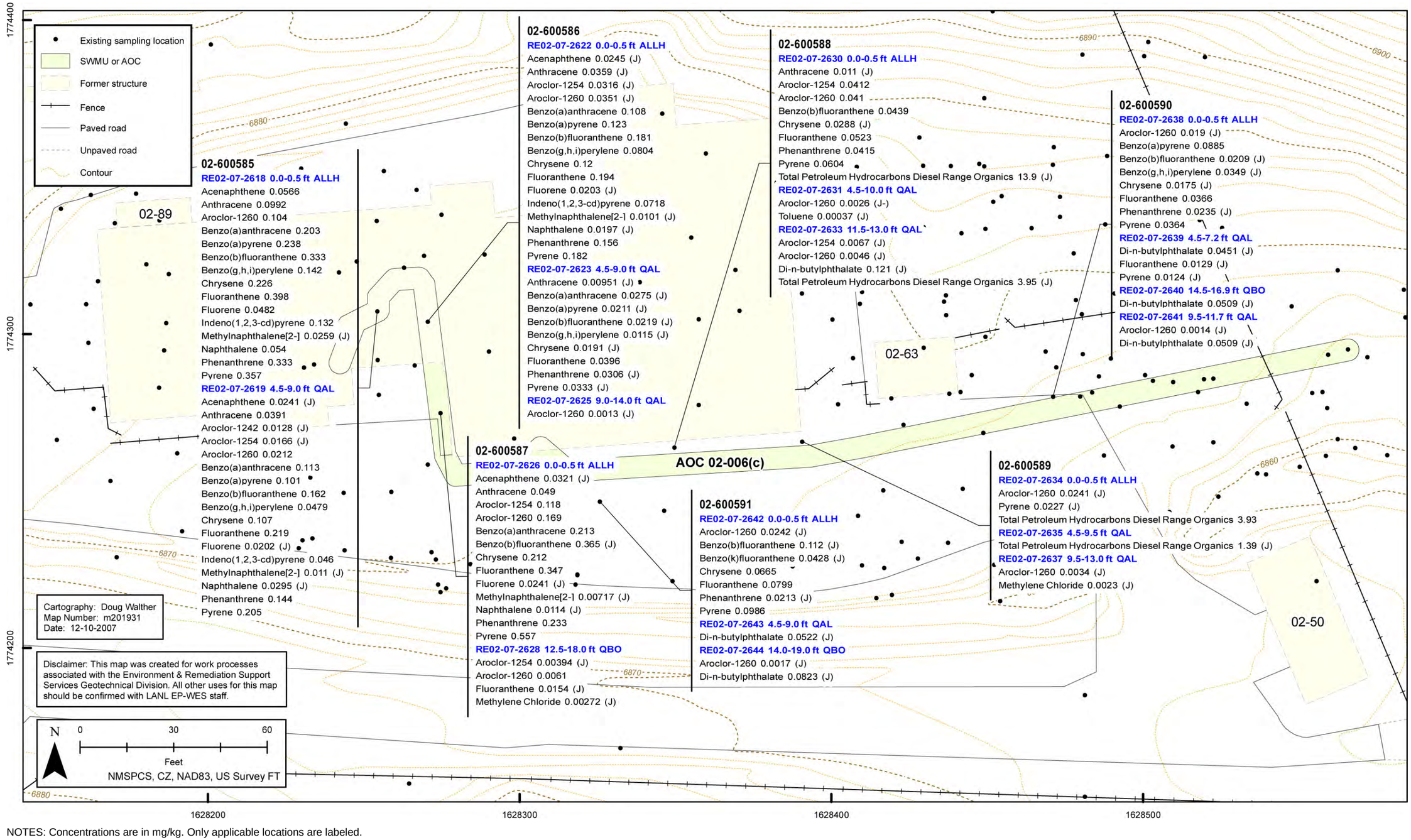
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.13-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-012, 02-006(b)



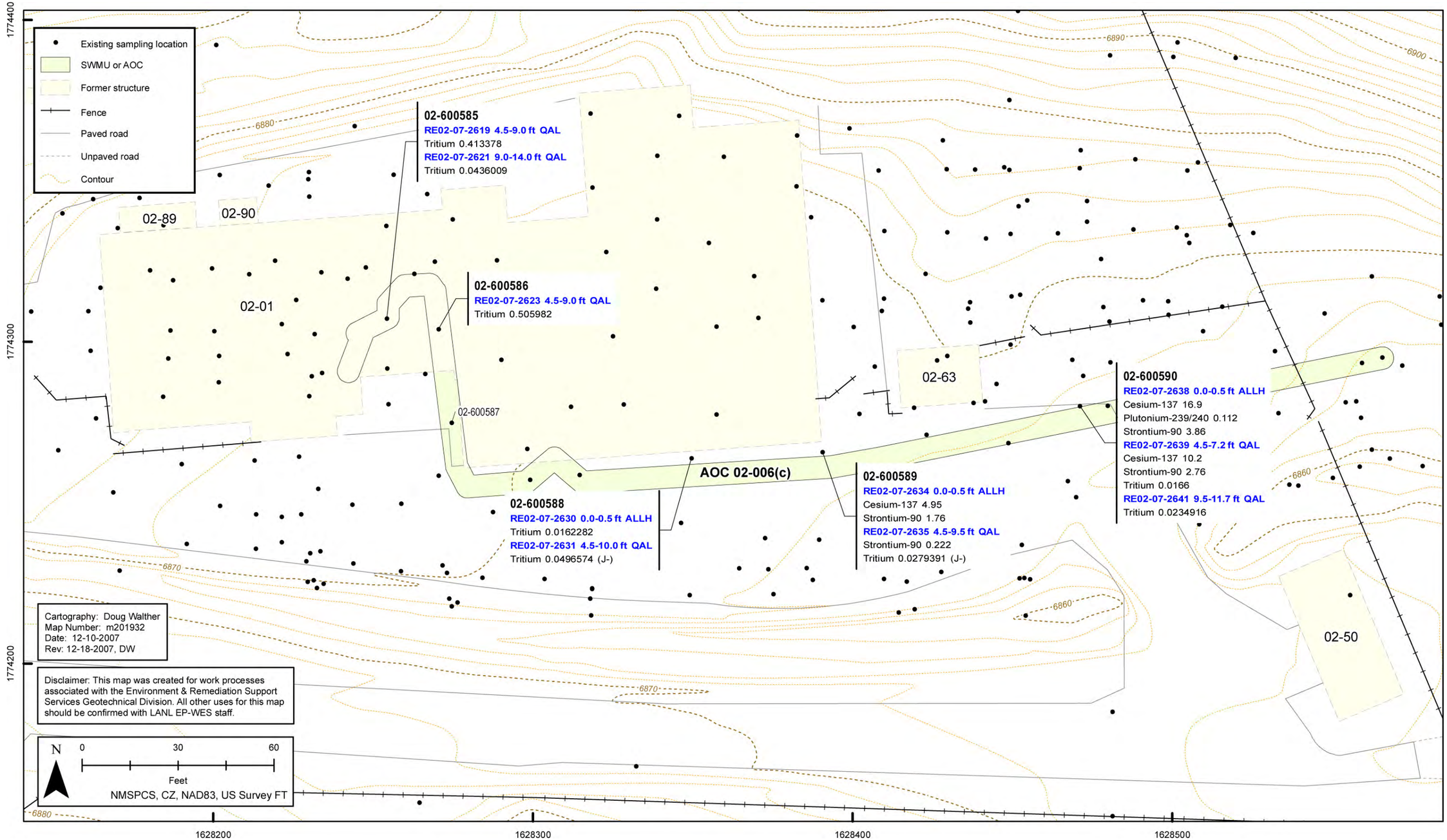
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.14-1 Inorganic COPCs detected or detected above BVs at AOC 02-006(c)



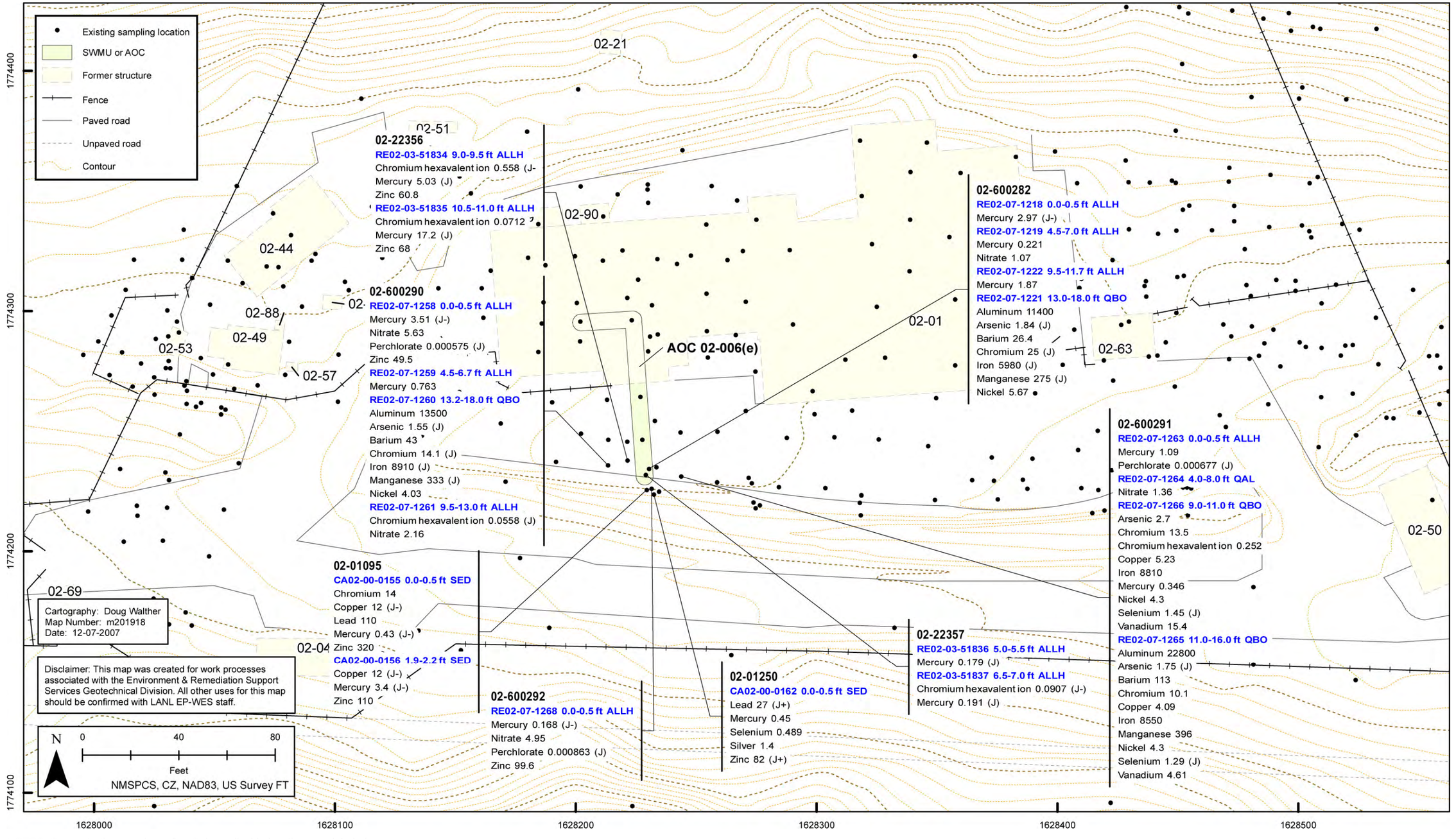
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.14-2 Organic chemicals detected at AOC 02-006(c)



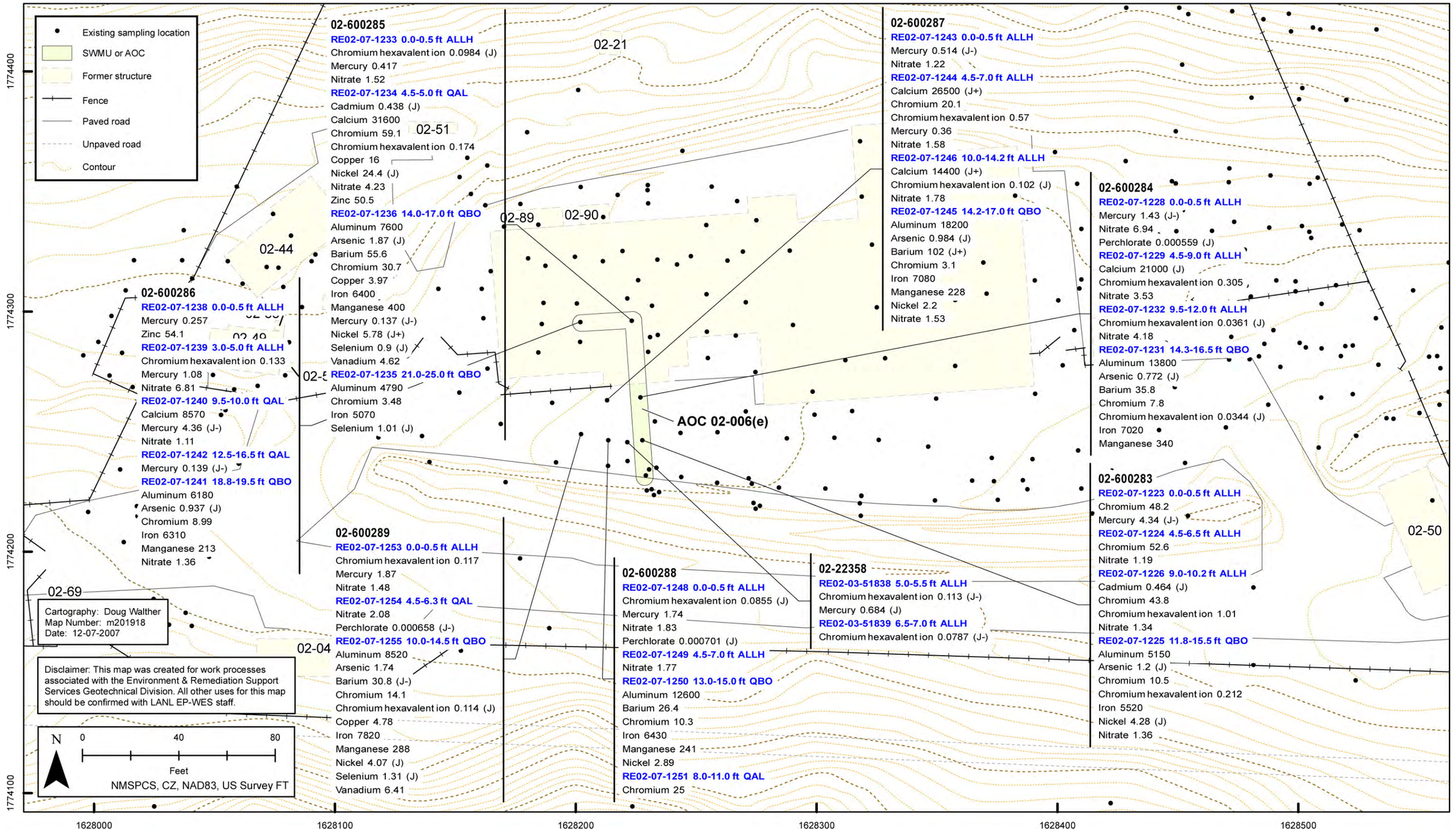
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.14-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-006(c)



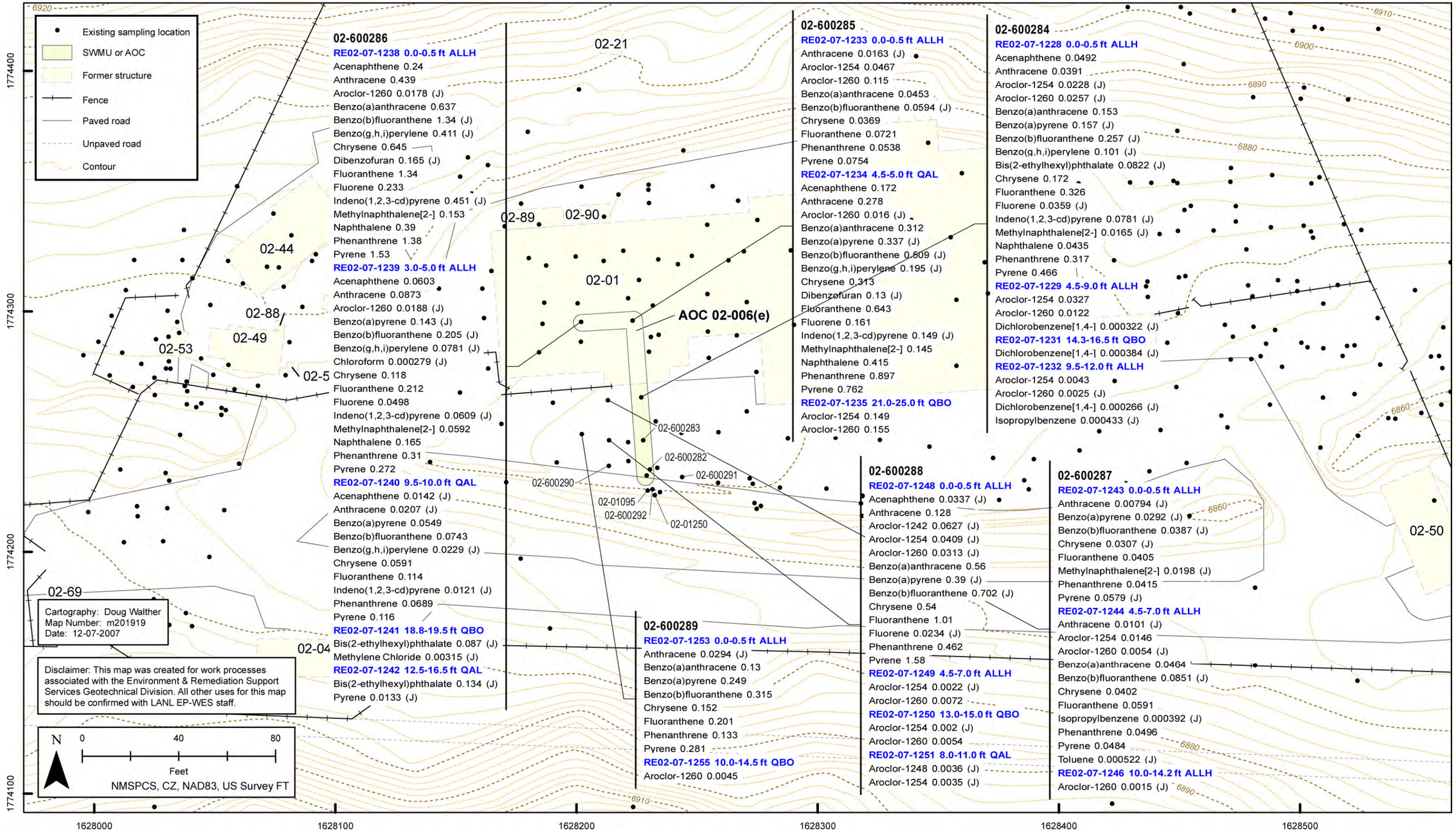
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.16-1 Inorganic COPCs detected or detected above BVs at AOC 02-006(e) (1 of 2)



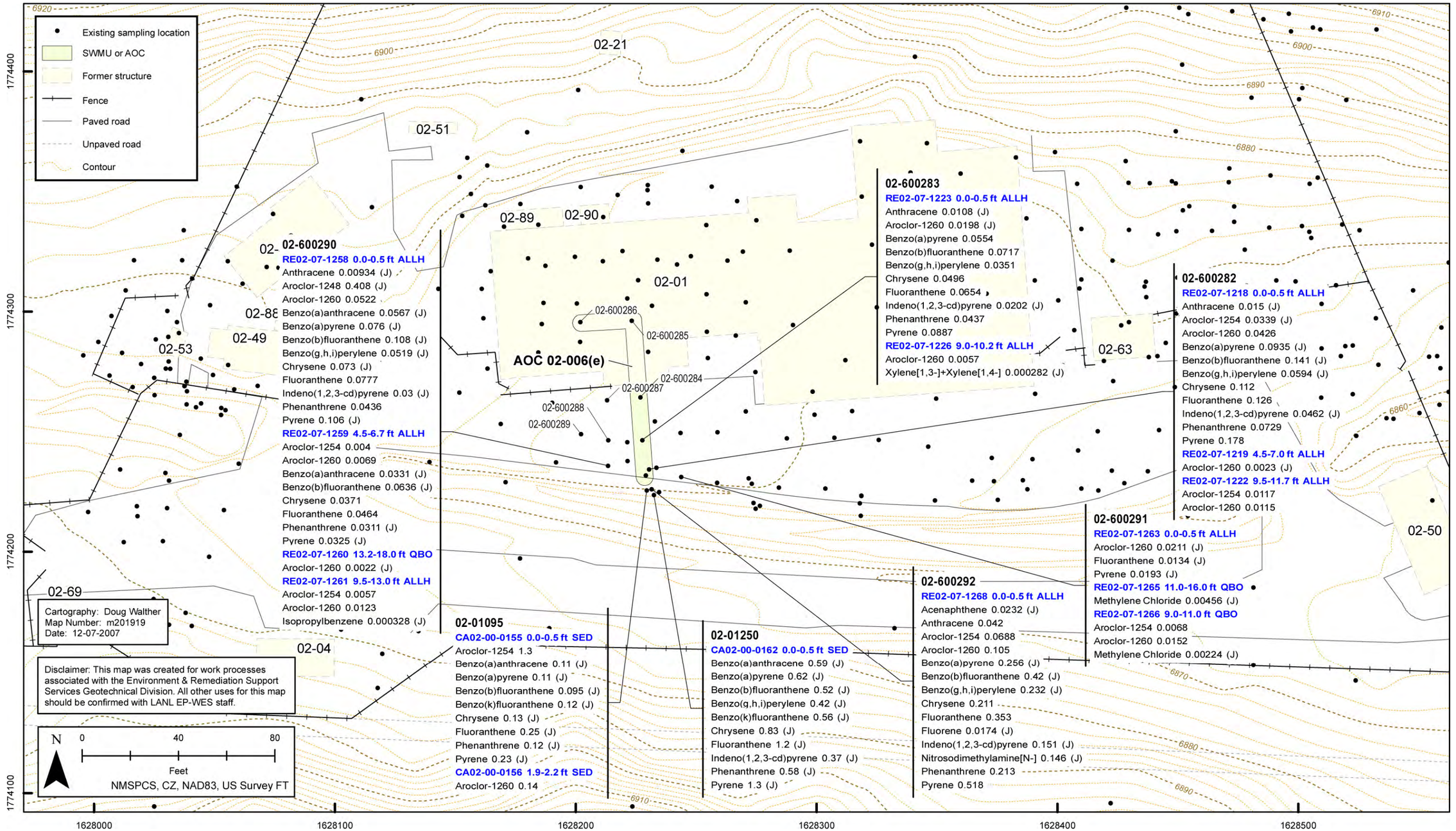
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.16-1 Inorganic COPCs detected or detected above BVs at AOC 02-006(e) (2 of 2)



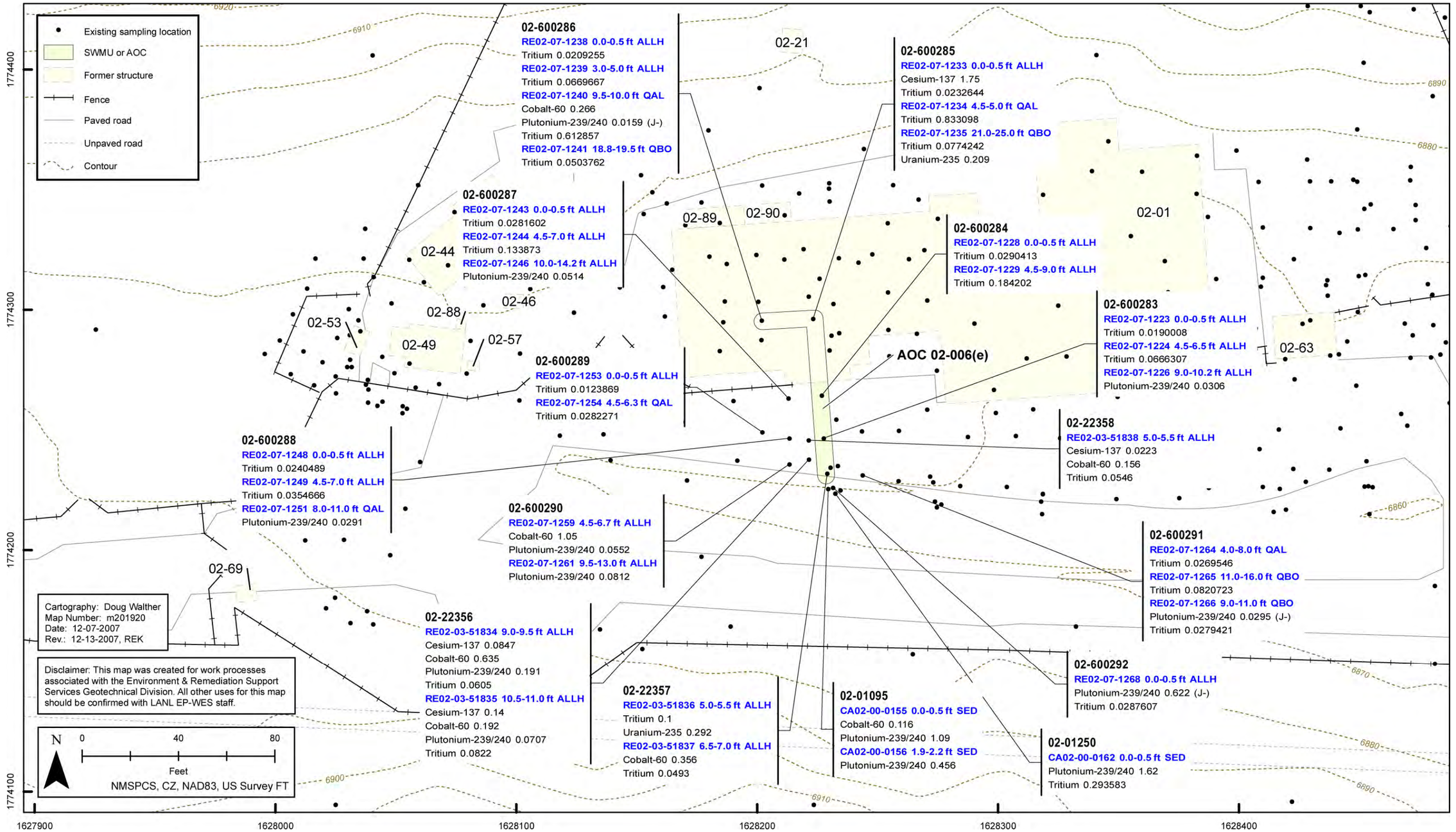
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.16-2 Organic chemicals detected at AOC 02-006(e) (1 of 2)



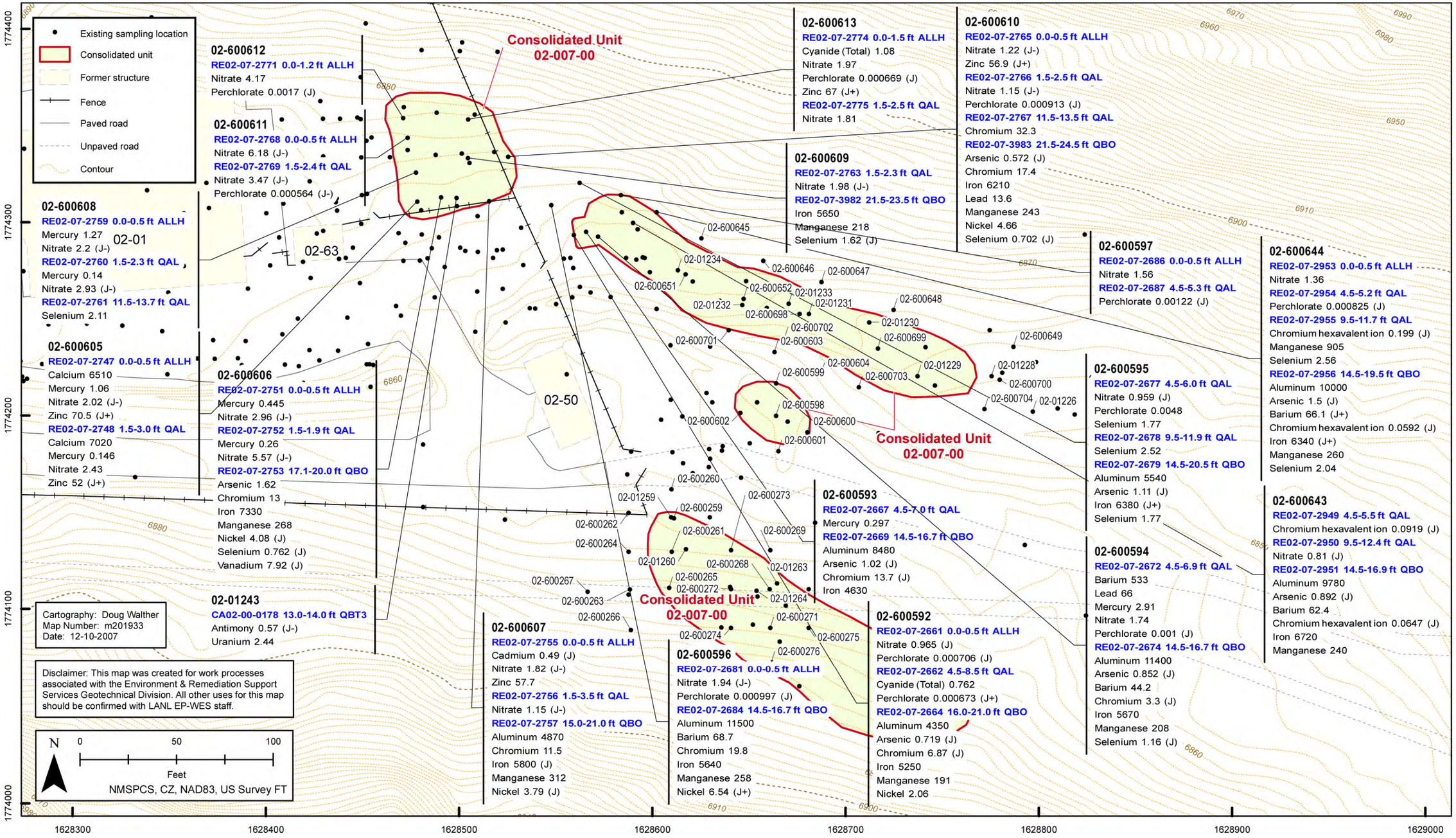
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.16-2 Organic chemicals detected at AOC 02-006(e) (2 of 2)



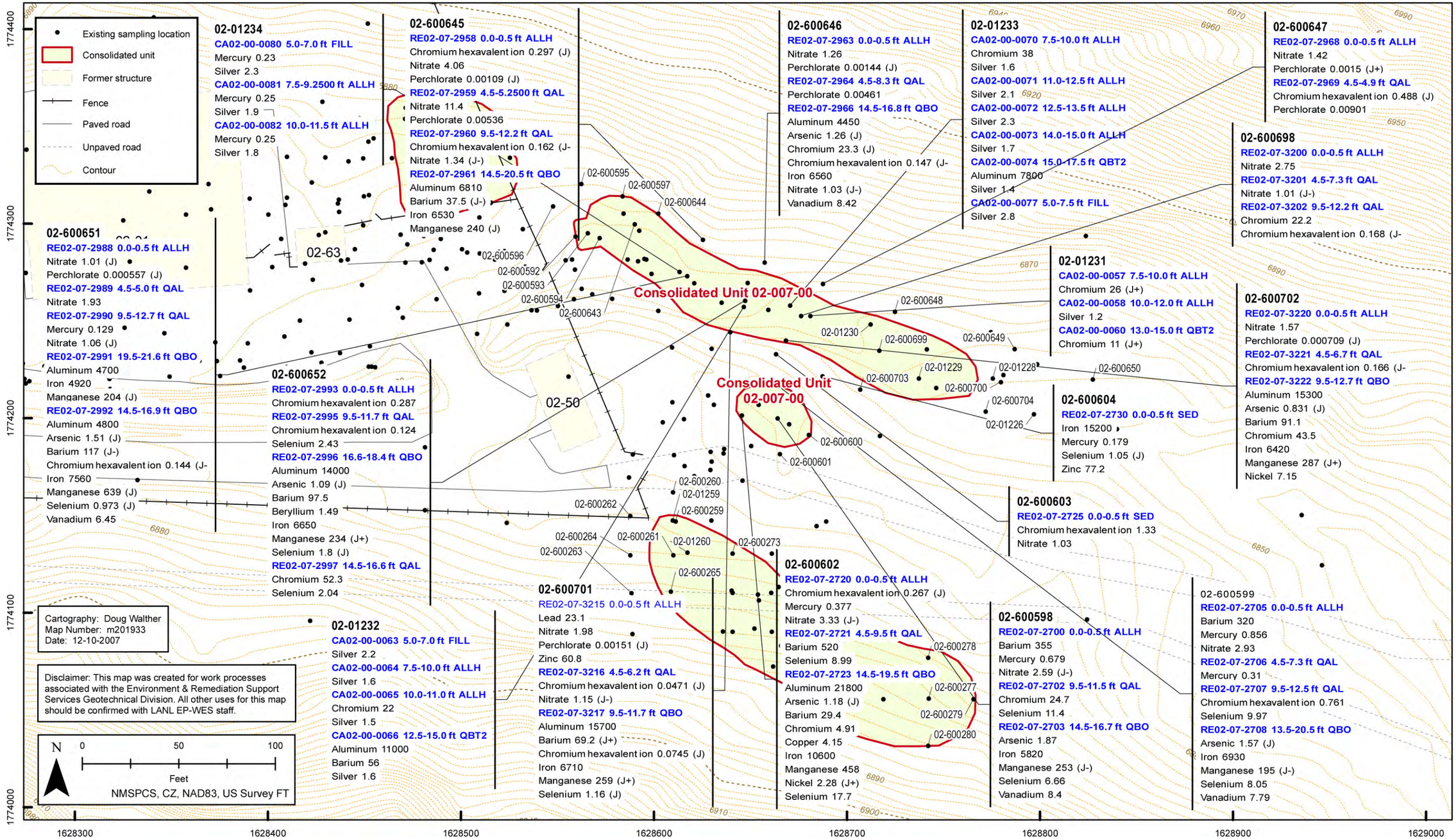
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.16-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-006(e)



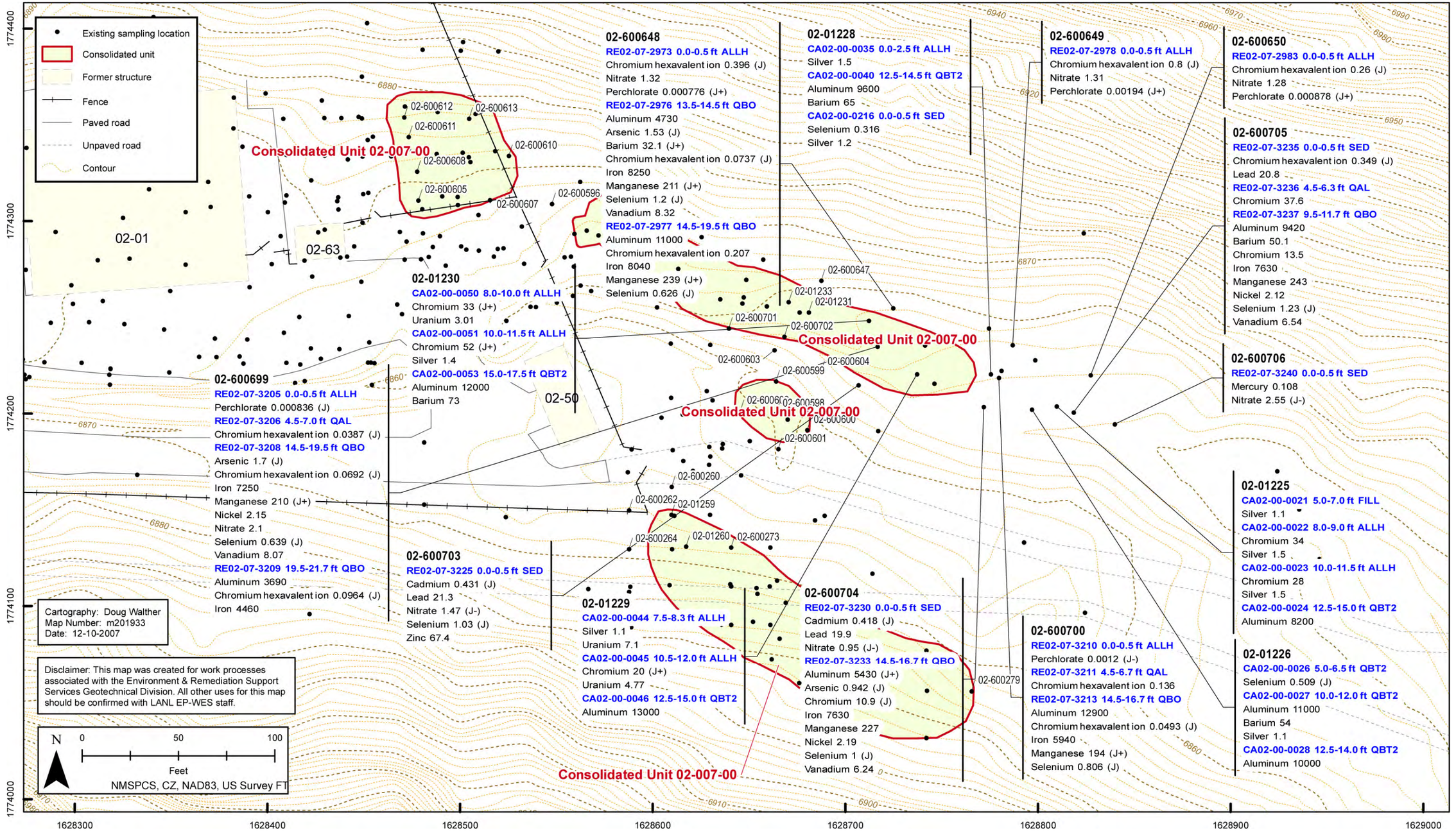
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-1 Inorganic COPCs detected or detected above BVs at Consolidated Unit 02-007-00 (1 of 5)



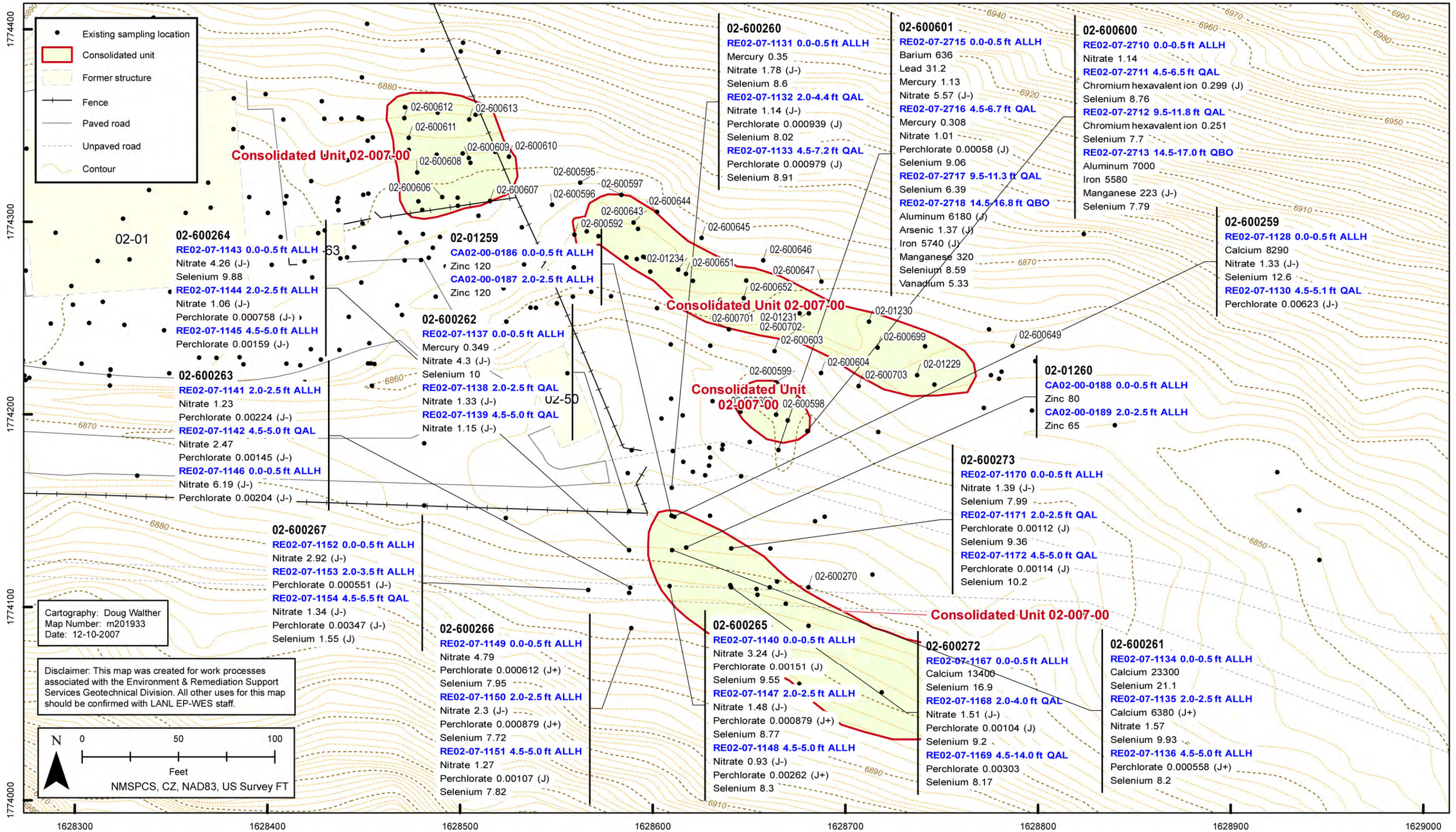
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-1 Inorganic COPCs detected or detected above BVs at Consolidated Unit 02-007-00 (2 of 5)



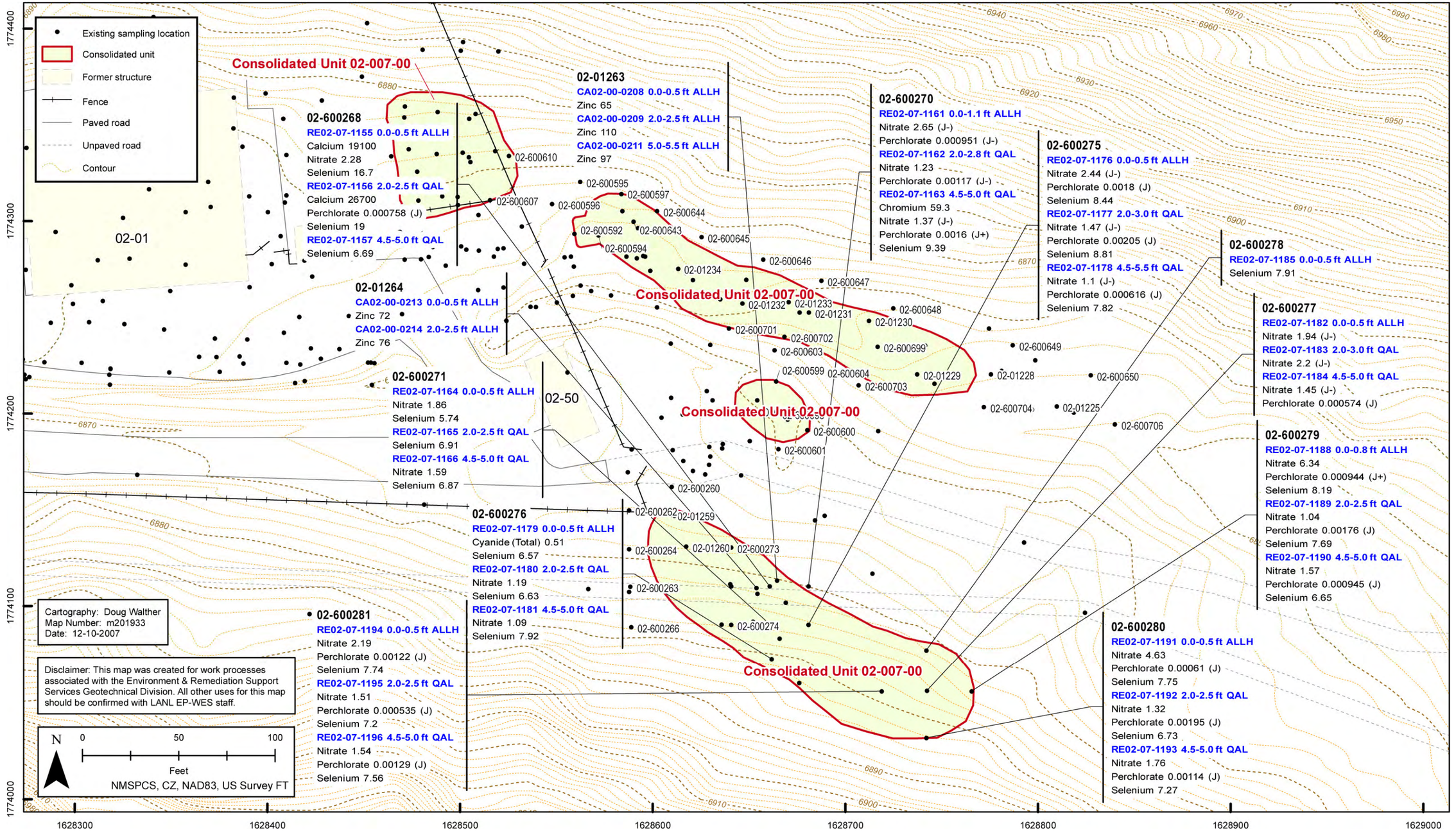
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-1 Inorganic COPCs detected or detected above BVs at Consolidated Unit 02-007-00 (3 of 5)



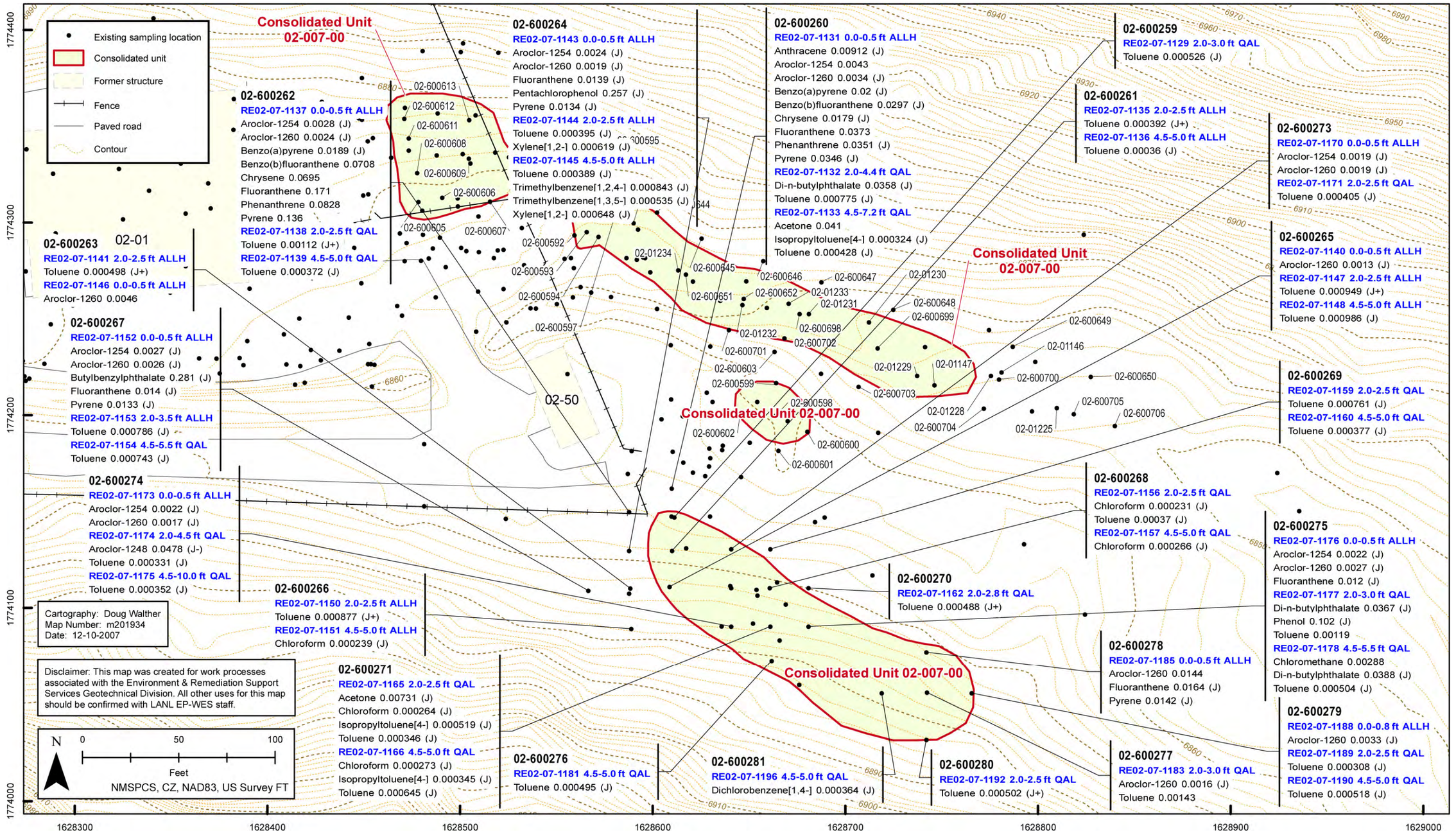
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-1 Inorganic COPCs detected or detected above BVs at Consolidated Unit 02-007-00 (4 of 5)



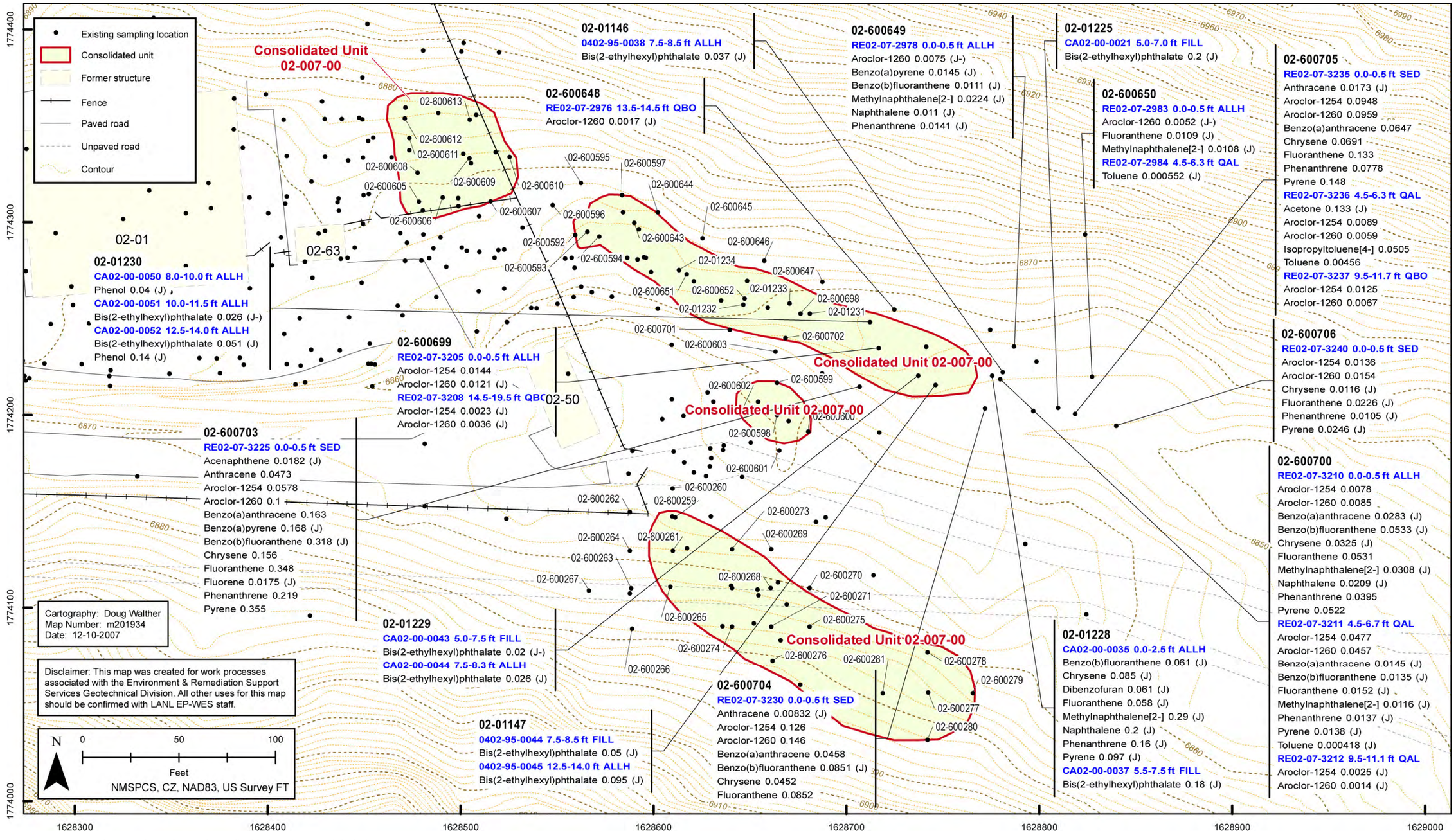
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-1 Inorganic COPCs detected or detected above BVs at Consolidated Unit 02-007-00 (5 of 5)



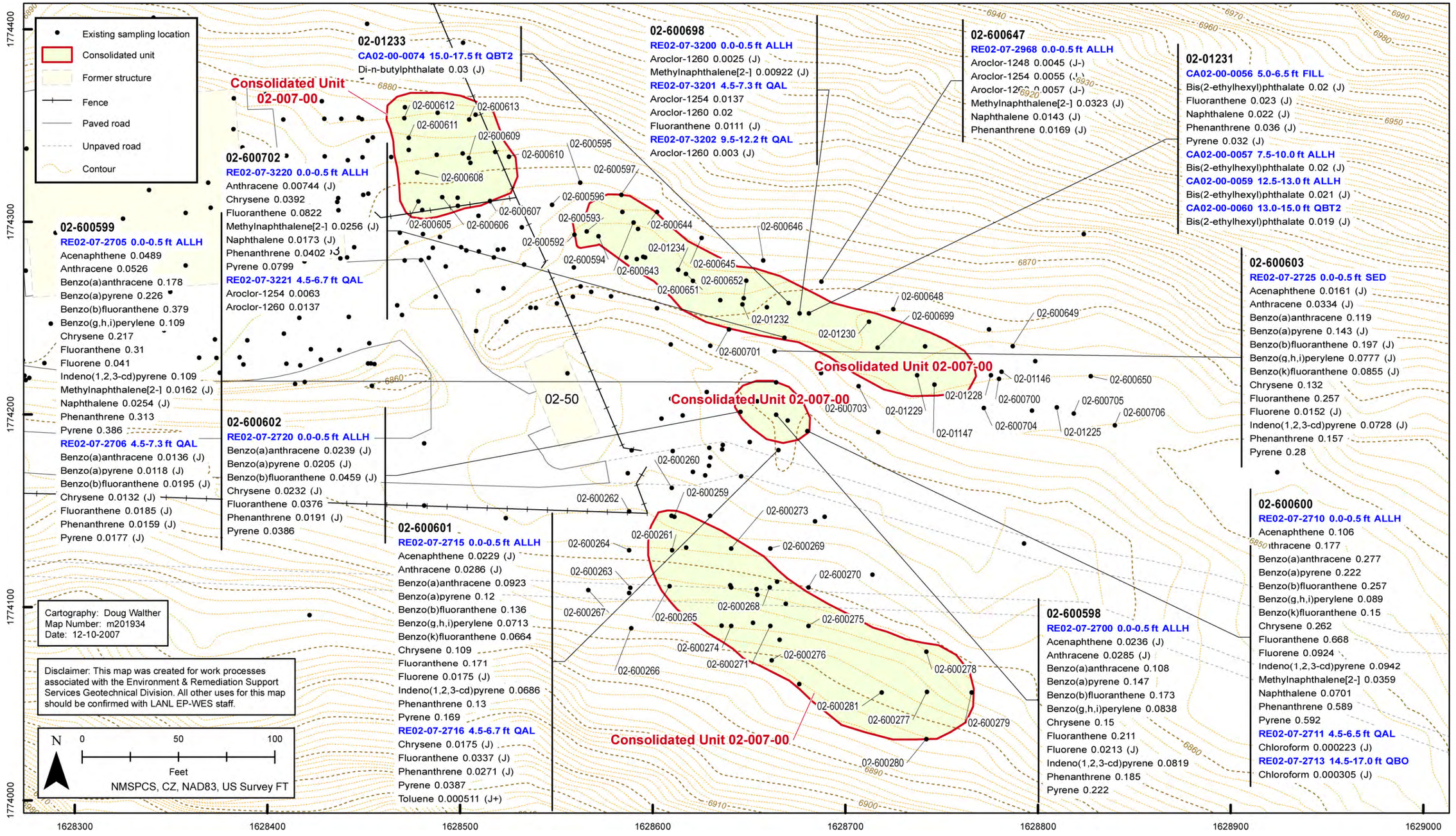
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (1 of 6)



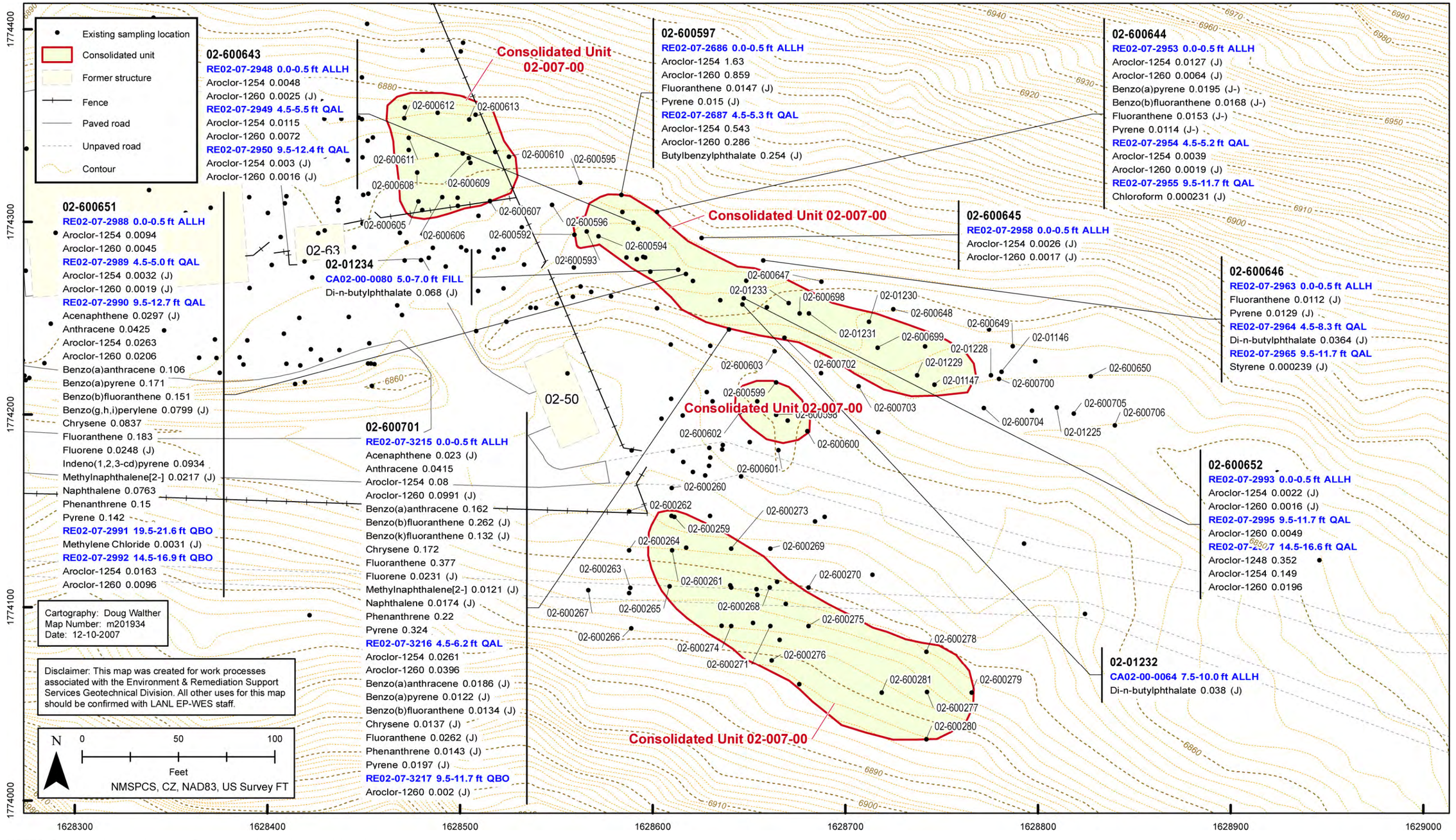
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (2 of 6)



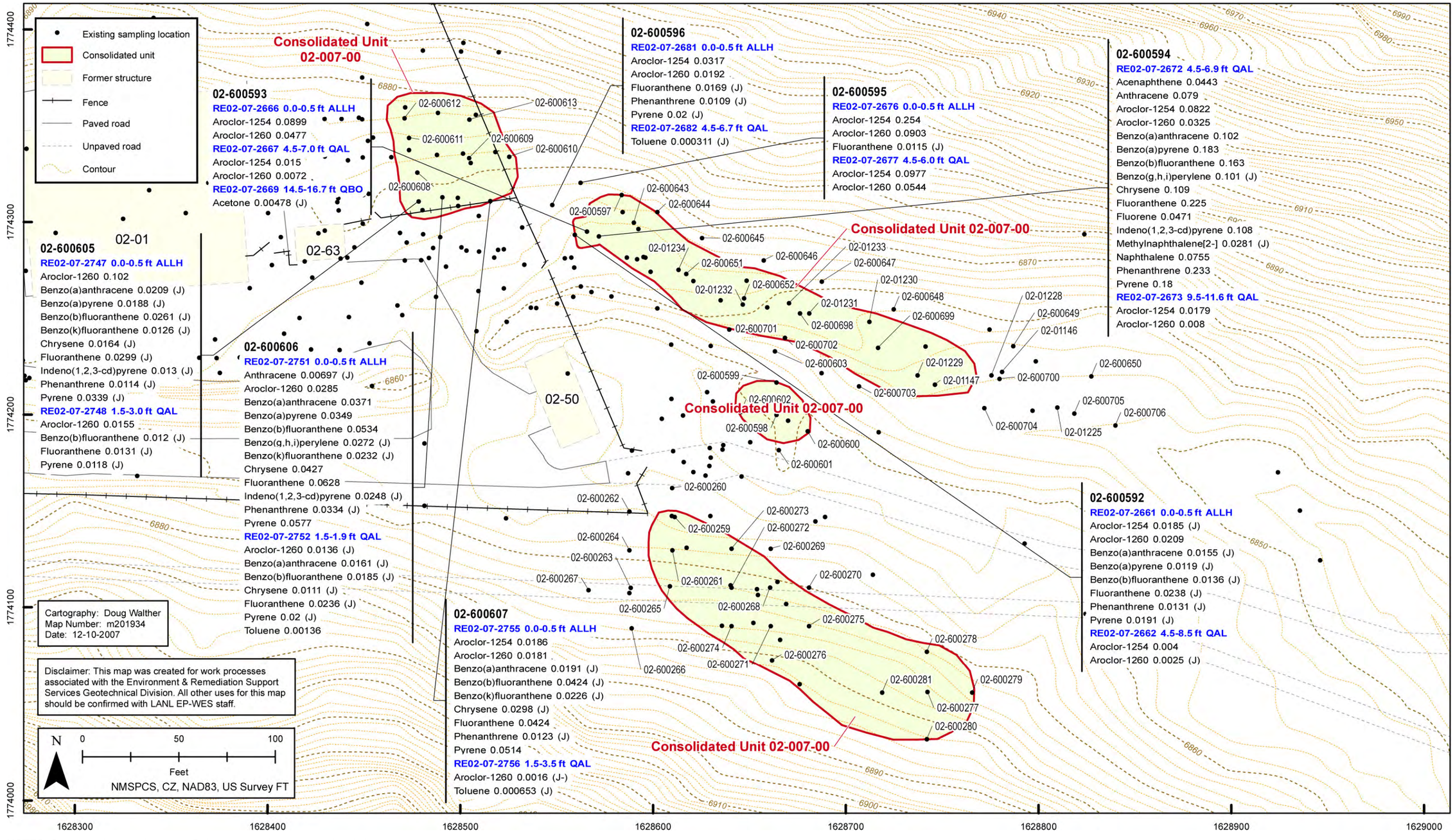
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (3 of 6)



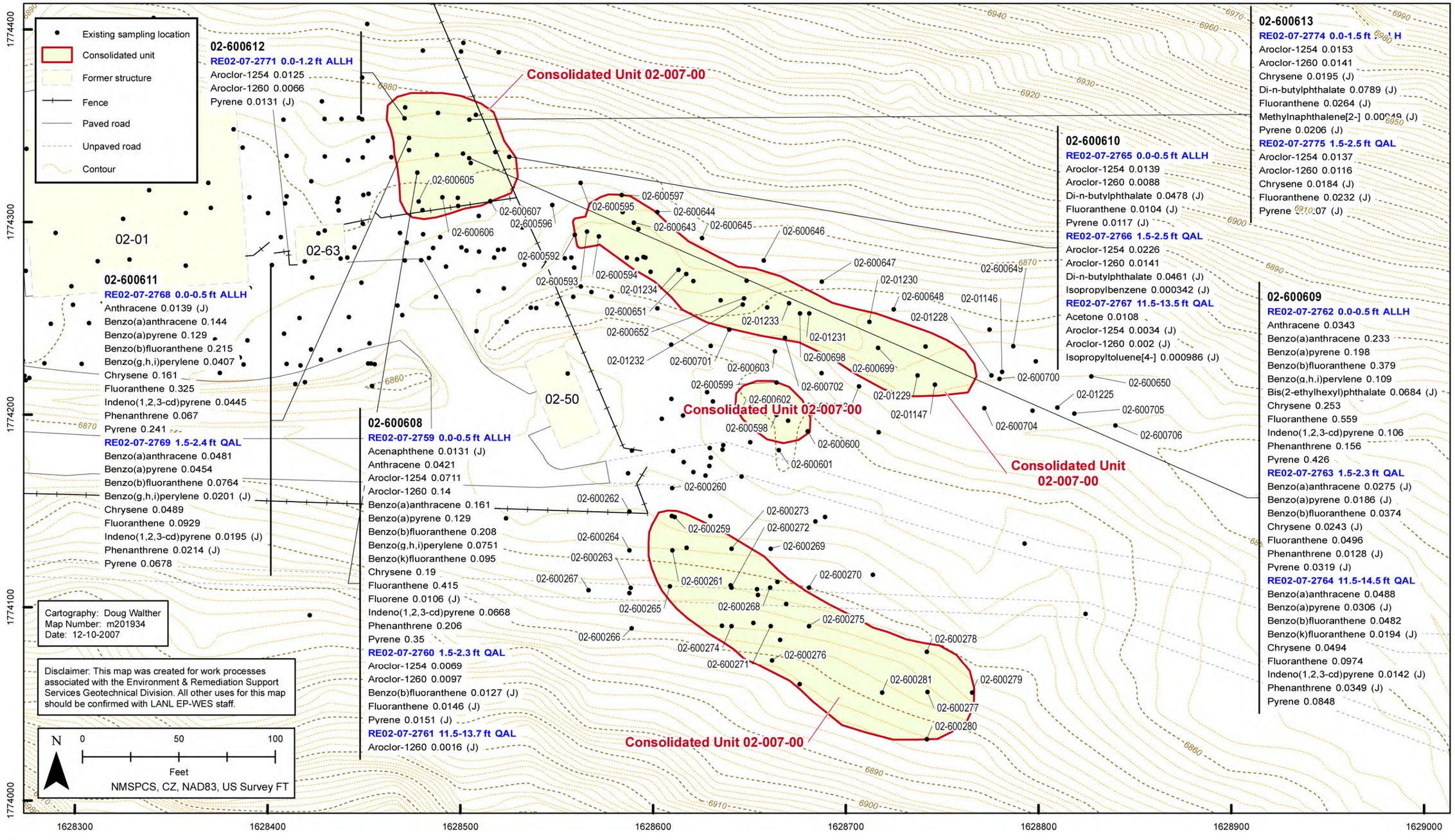
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (4 of 6)



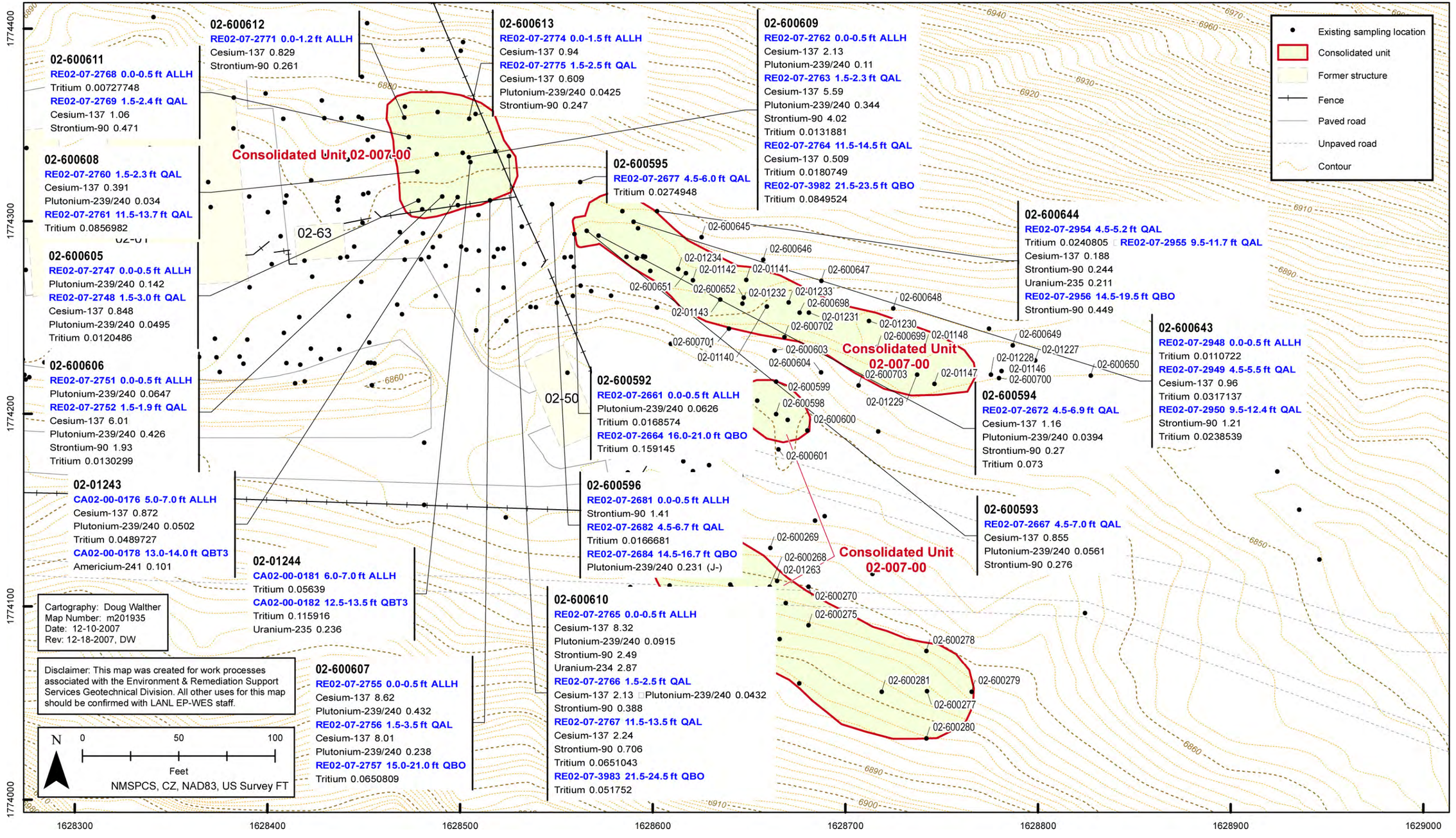
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (5 of 6)



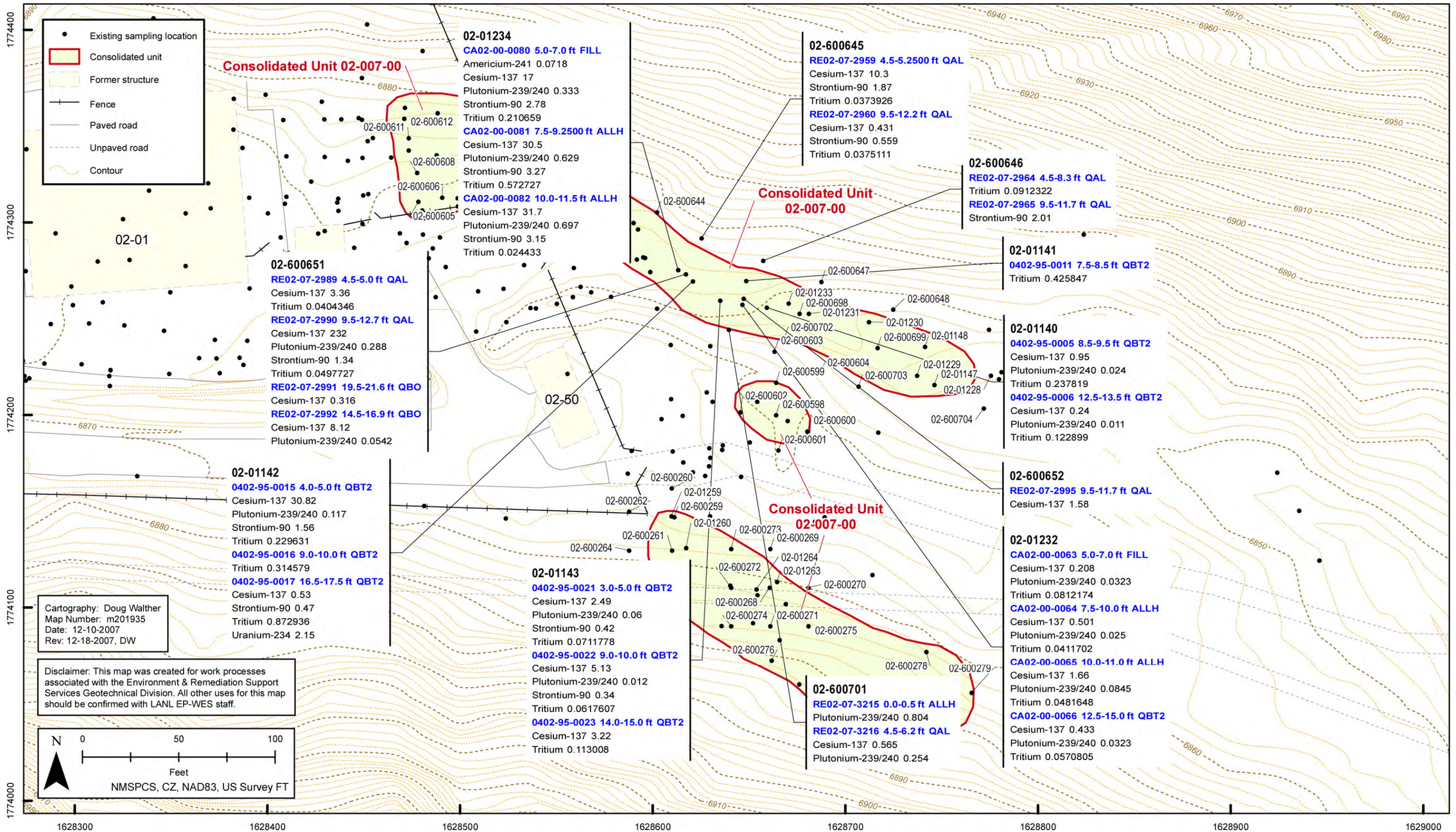
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.17-2 Organic chemicals detected at Consolidated Unit 02-007-00 (6 of 6)



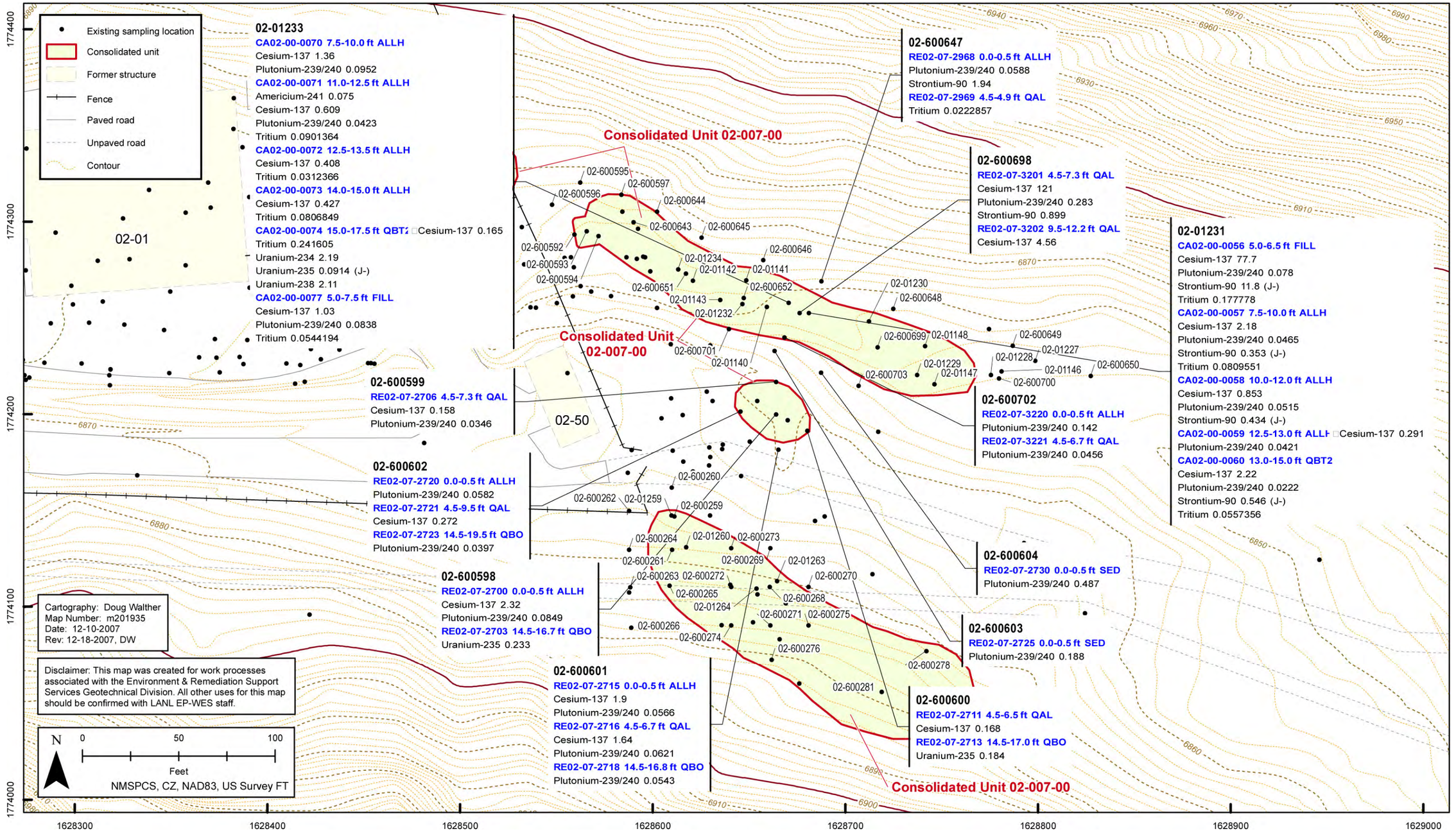
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (1 of 6)



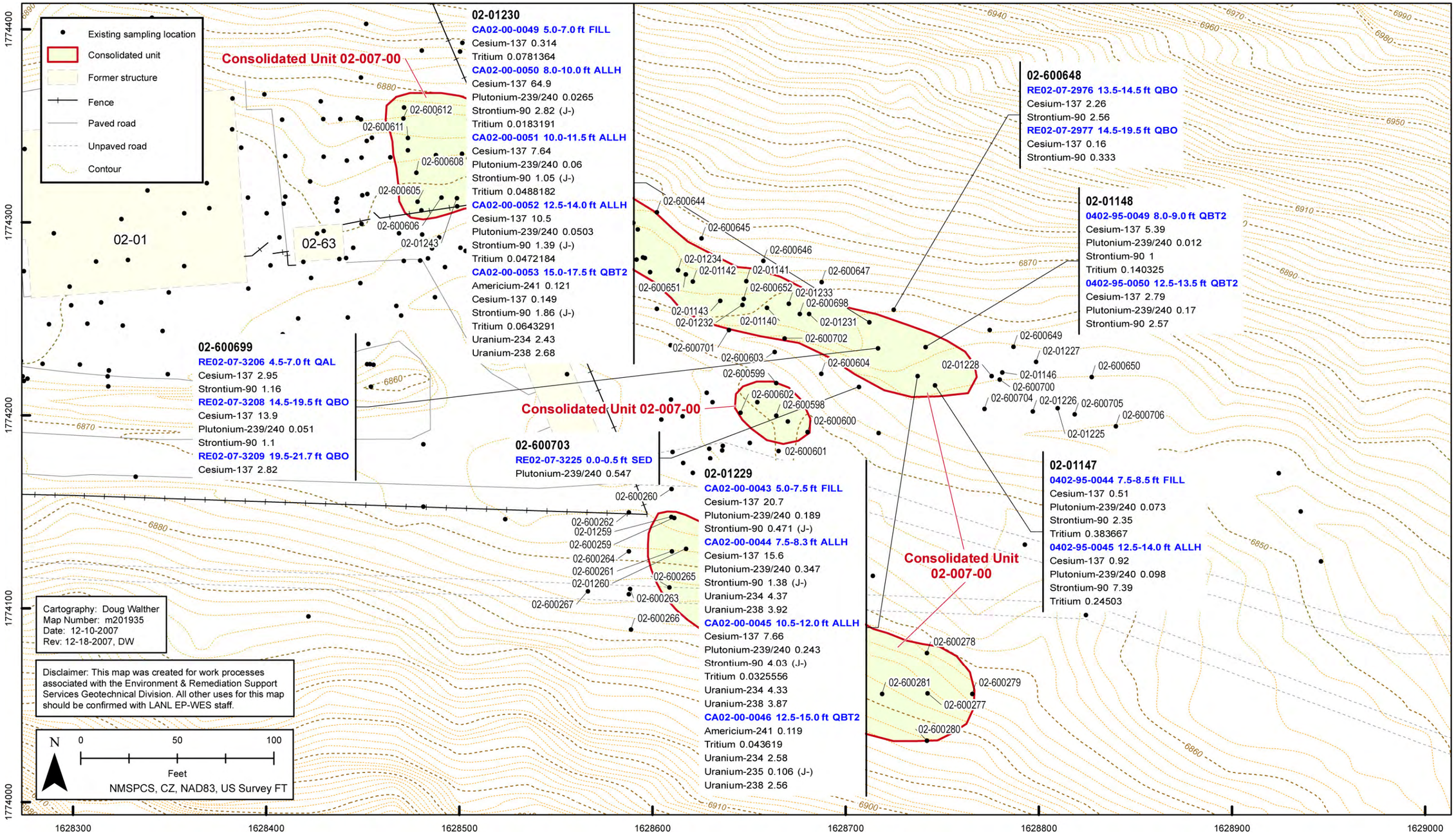
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (2 of 6)



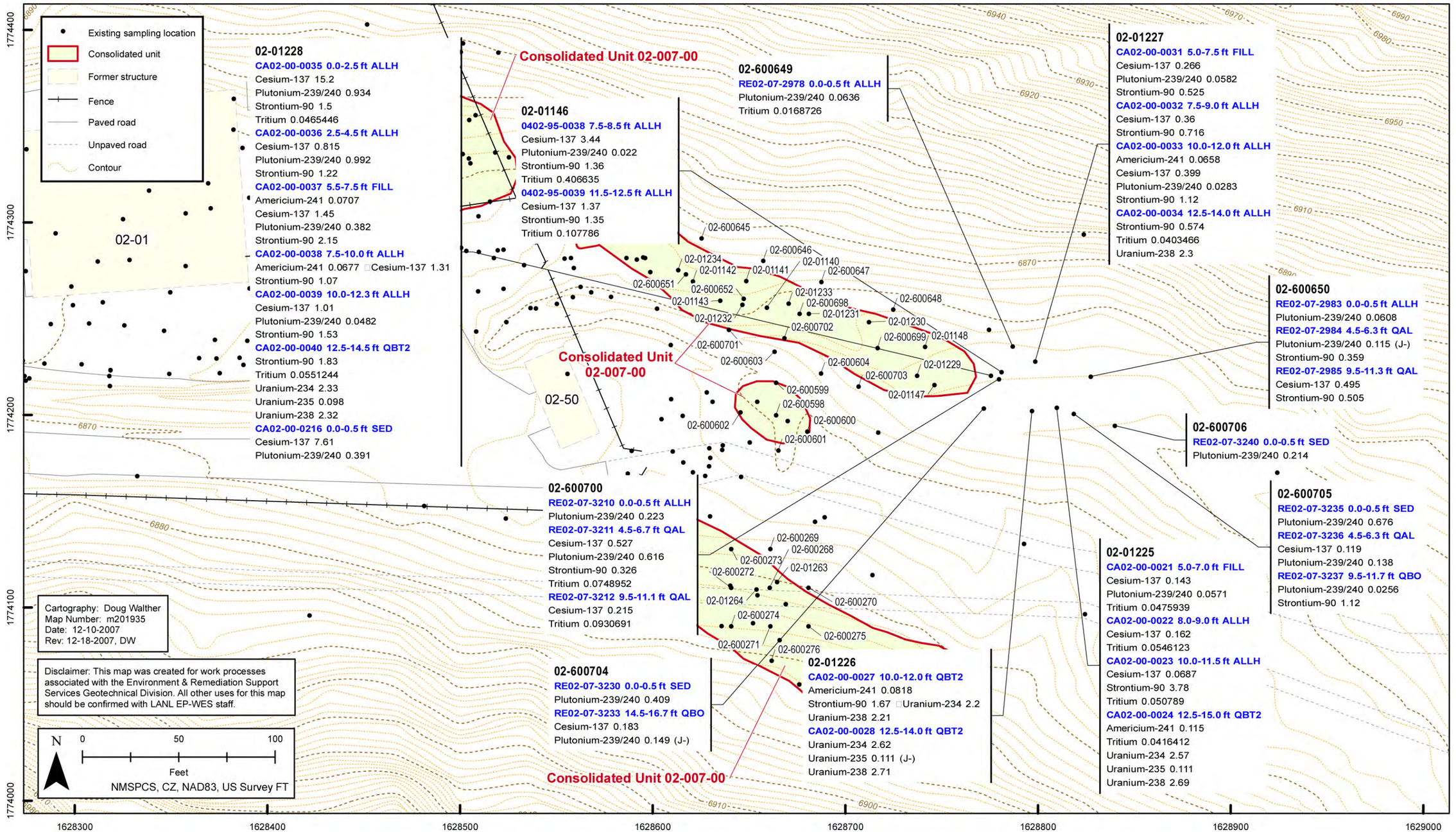
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (3 of 6)



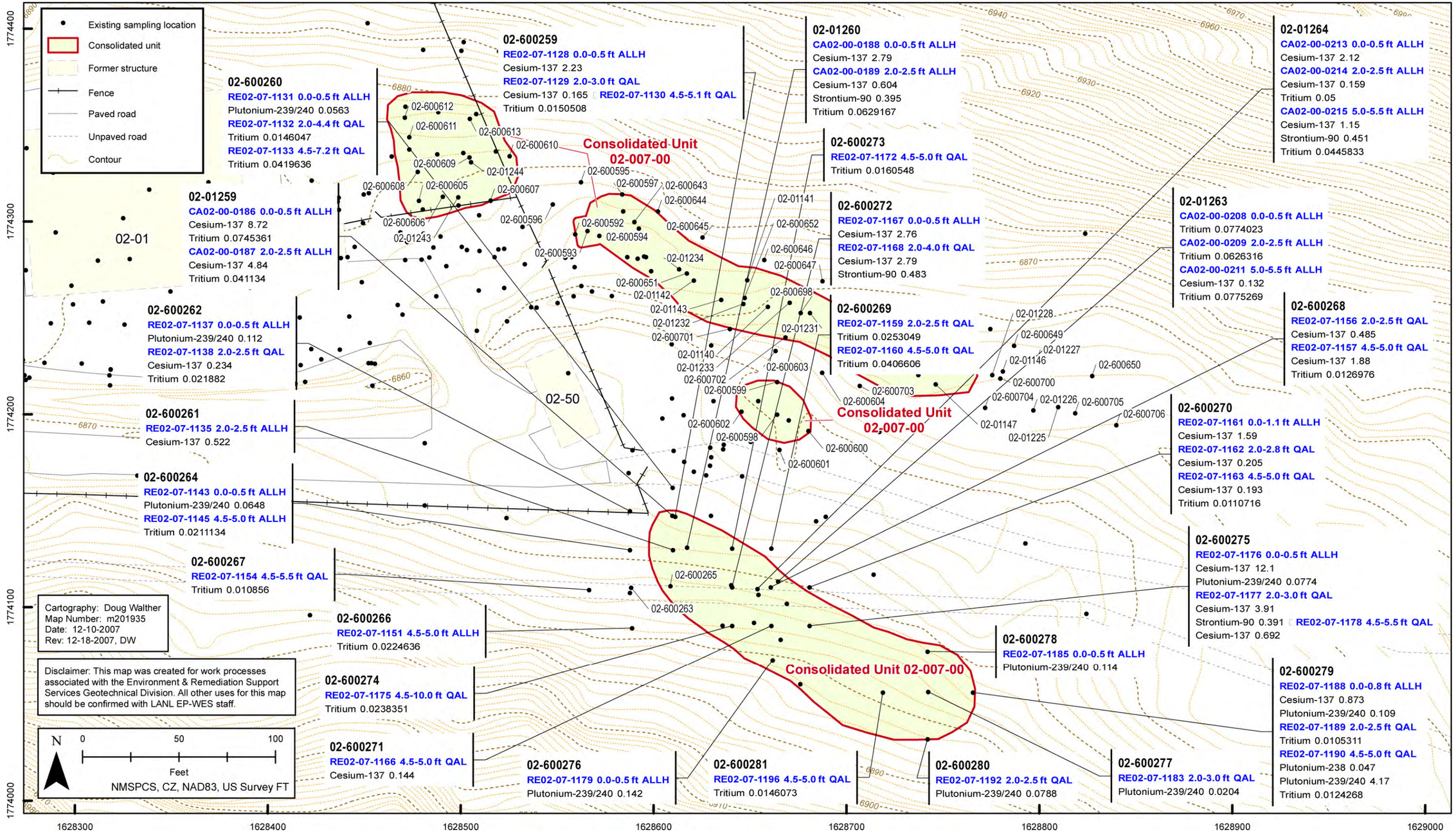
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (4 of 6)



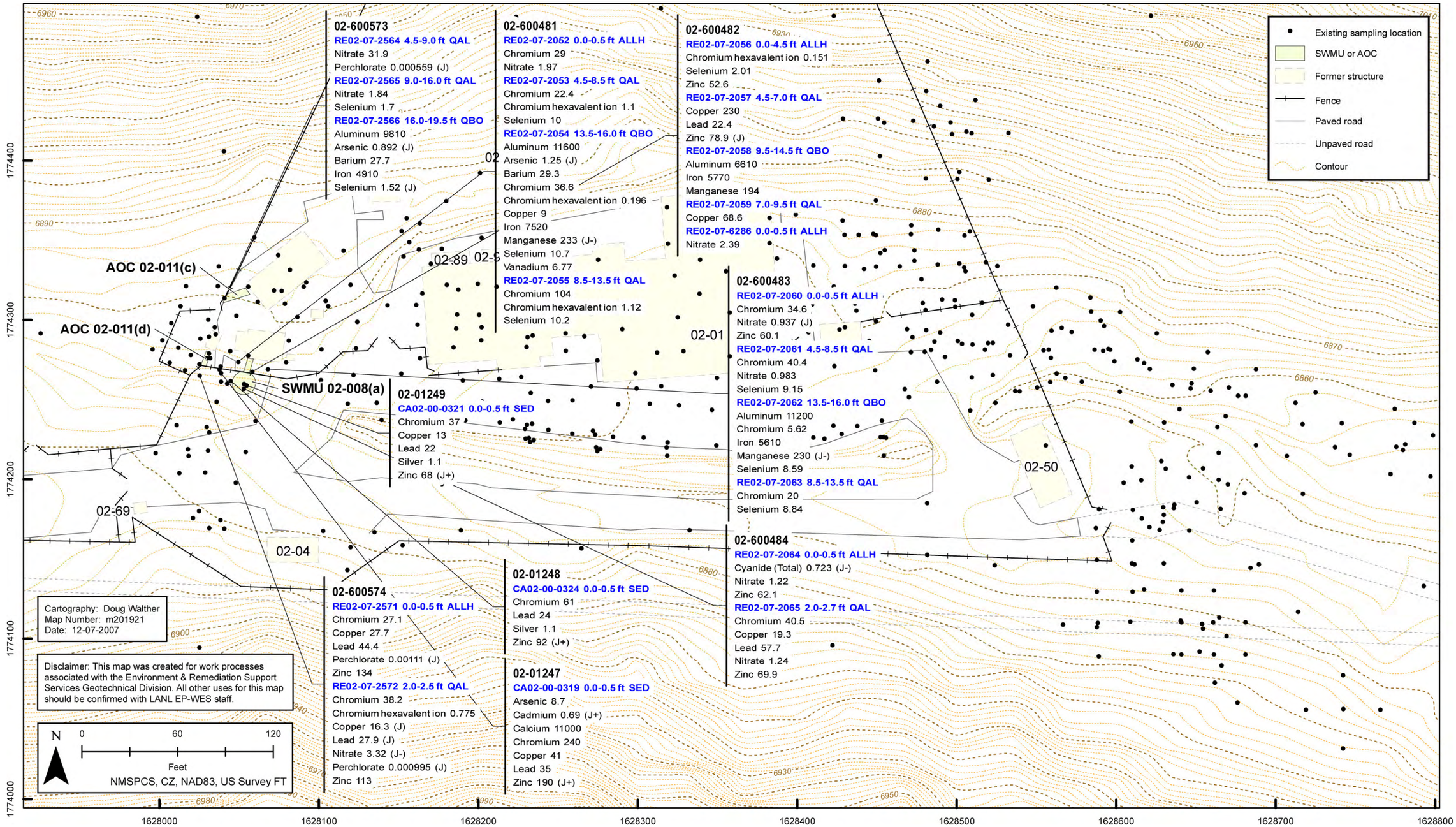
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (5 of 6)



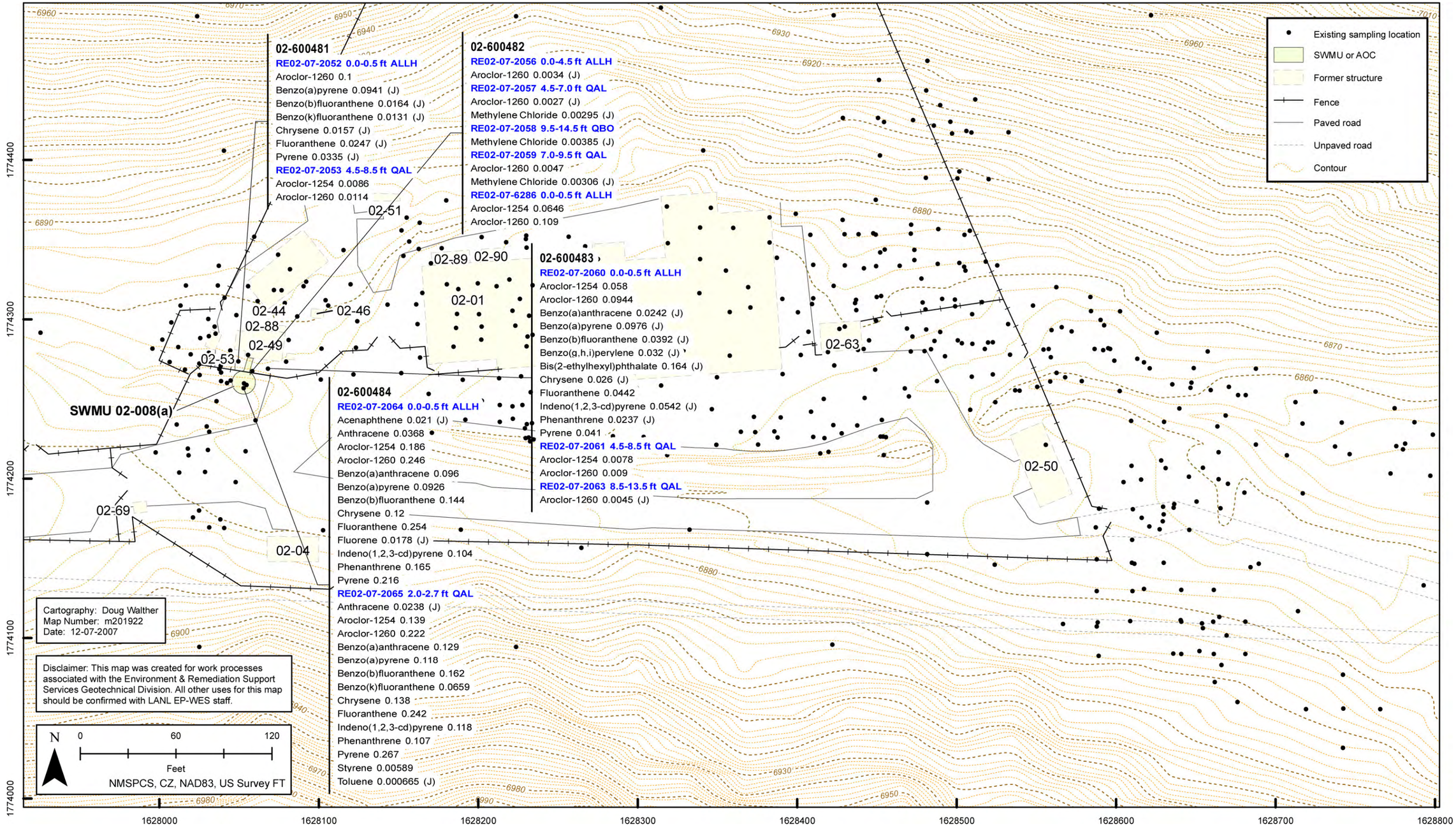
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.17-3 Radionuclide COPCs detected or detected above BVs/FVs at Consolidated Unit 02-007-00 (6 of 6)



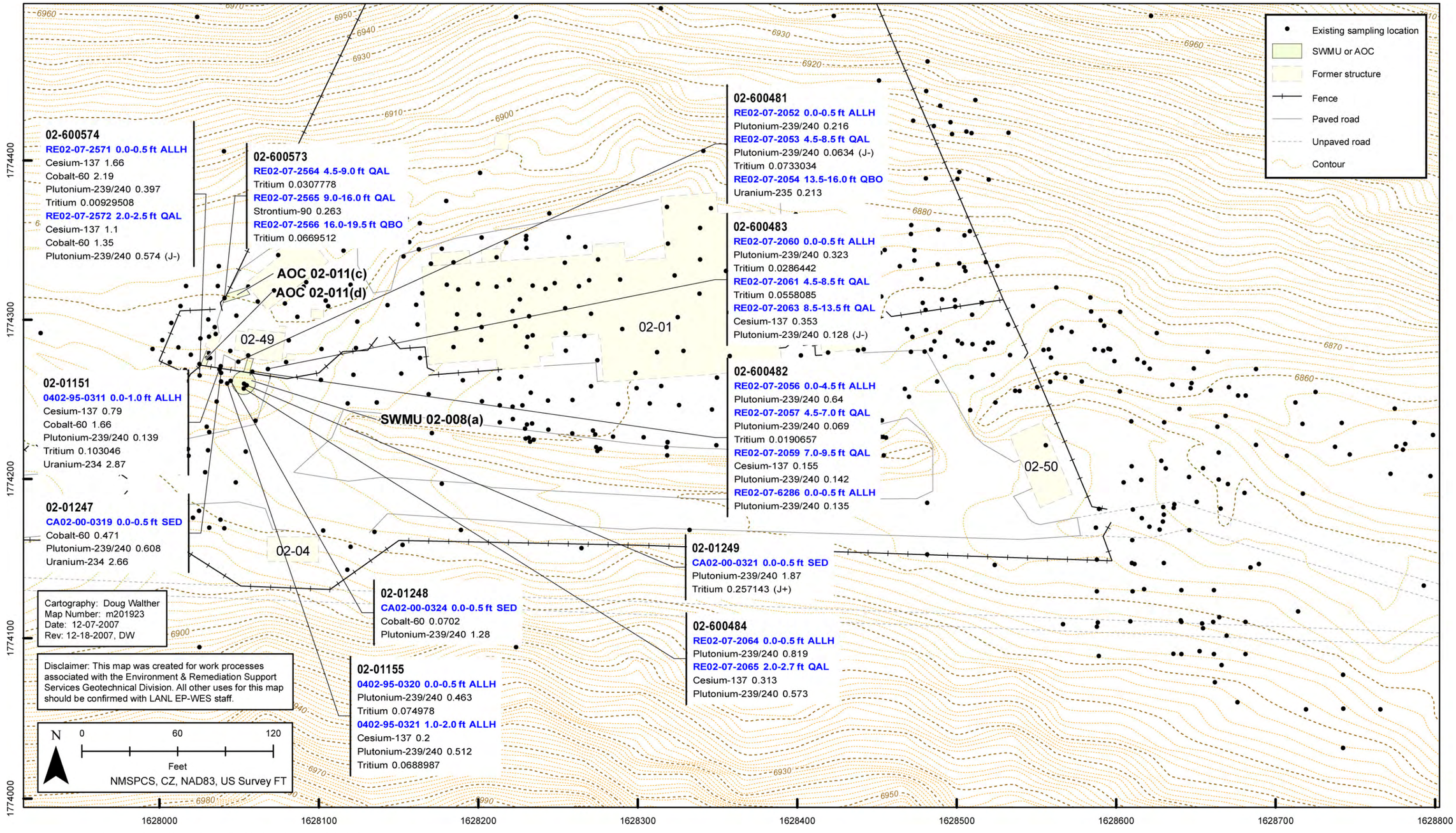
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.18-1 Inorganic COPCs detected or detected above BVs at SWMU 02-008(a), AOCs 02-011(c), 02-011(d)



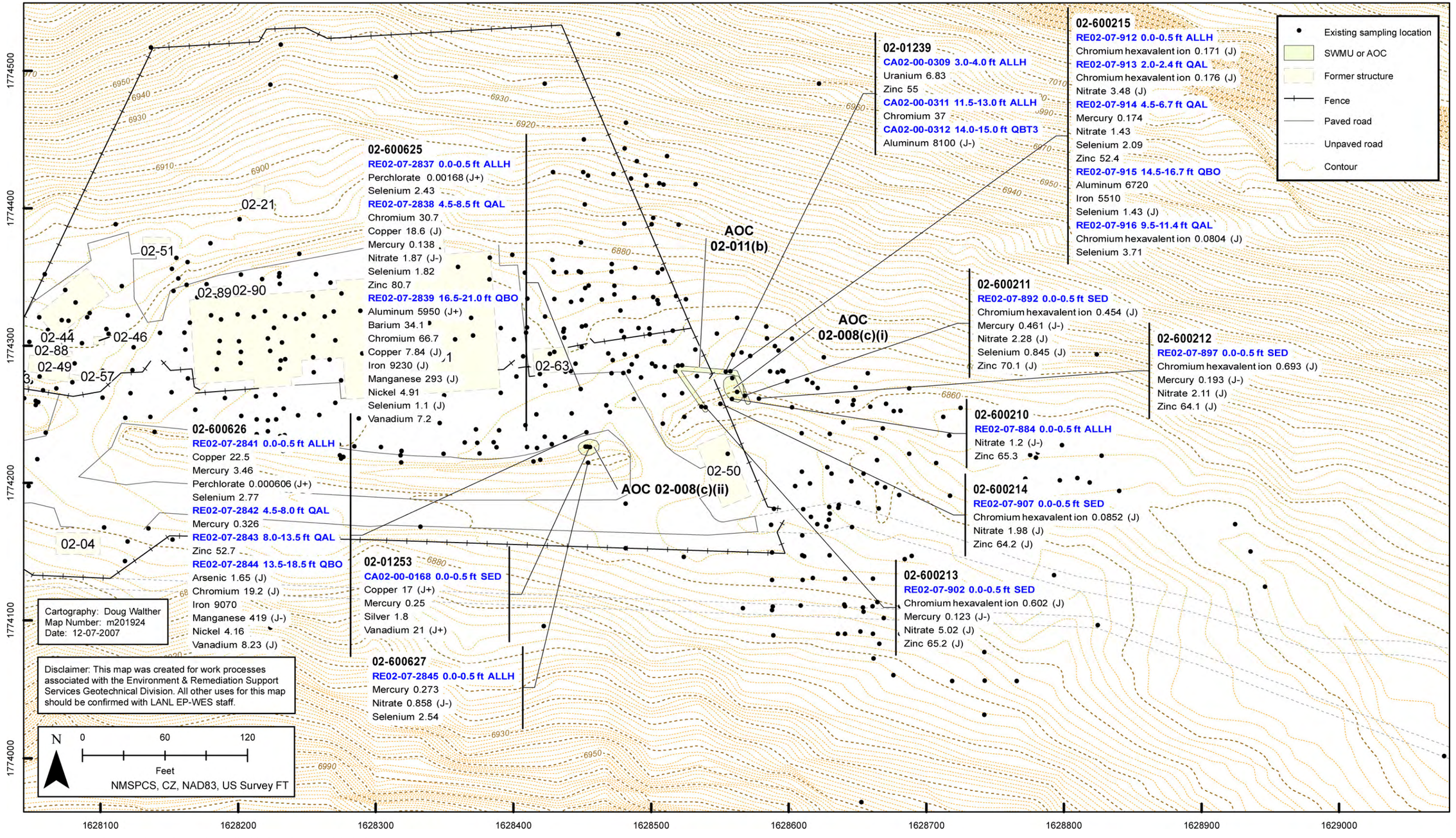
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.18-2 Organic chemicals detected at SWMU 02-008(a)



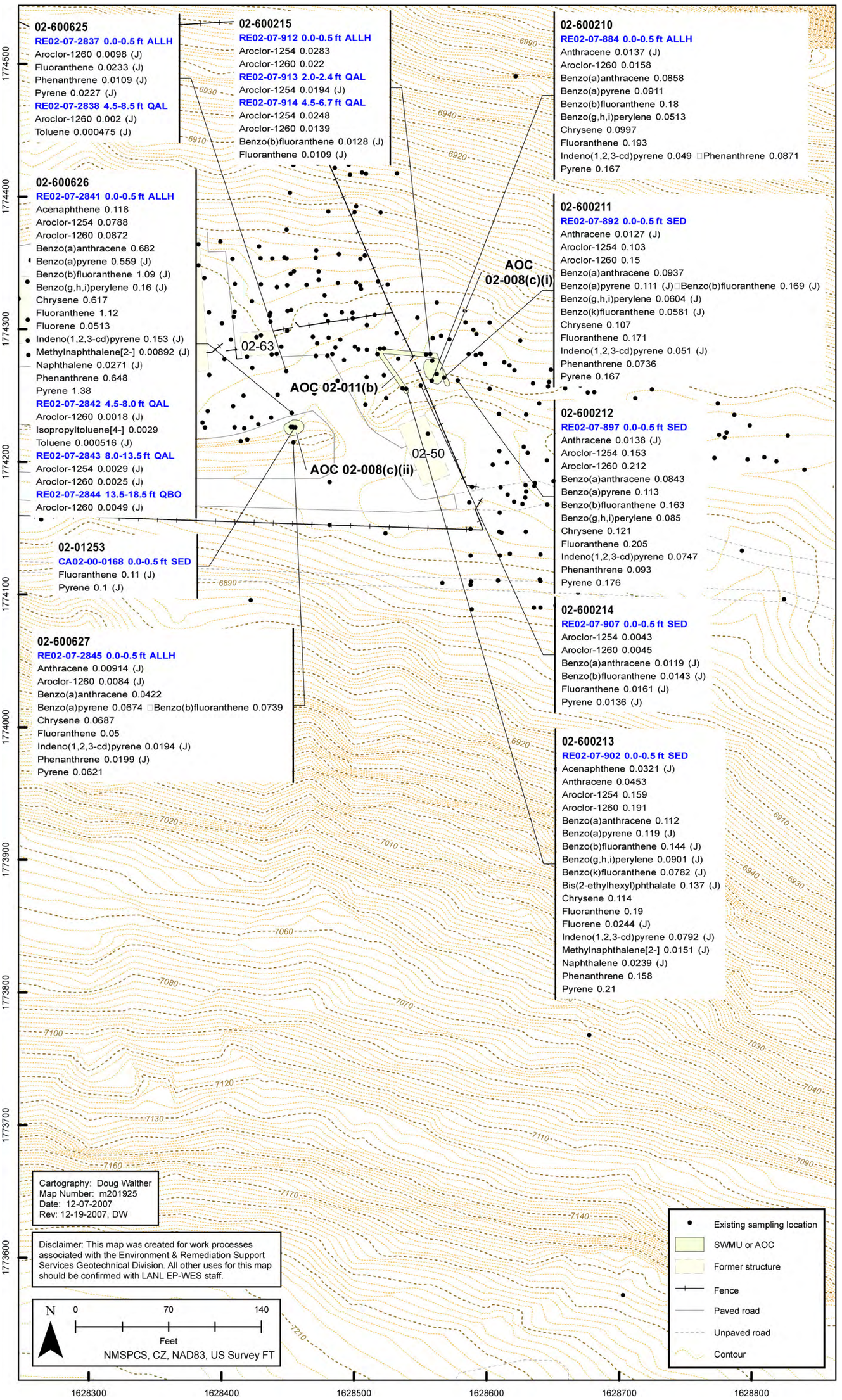
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.18-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 02-008(a), AOCs 02-011(c), 02-011(d)



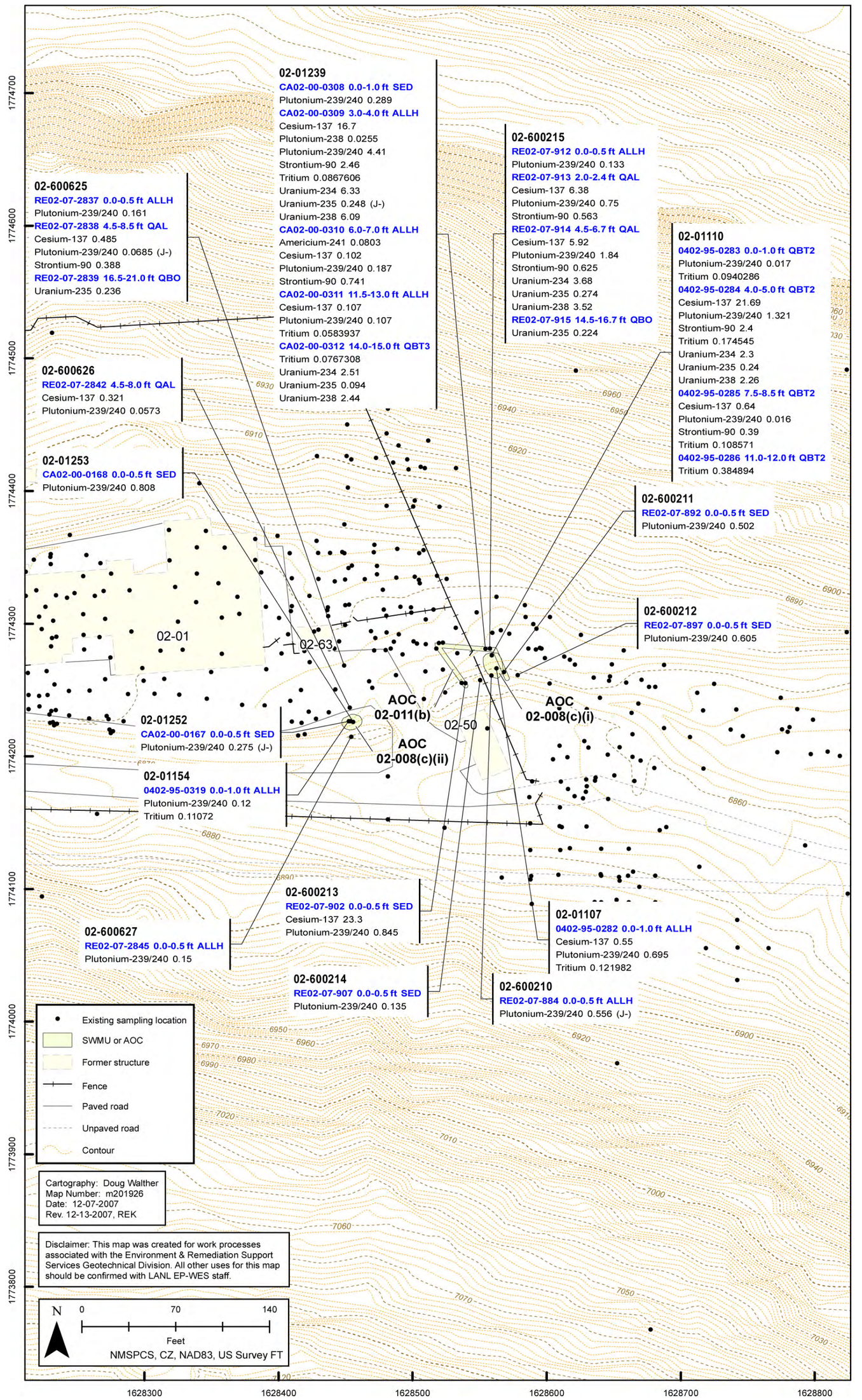
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.19-1 Inorganic COPCs detected or detected above BVs at AOCs 02-008(c), 02-011(b)



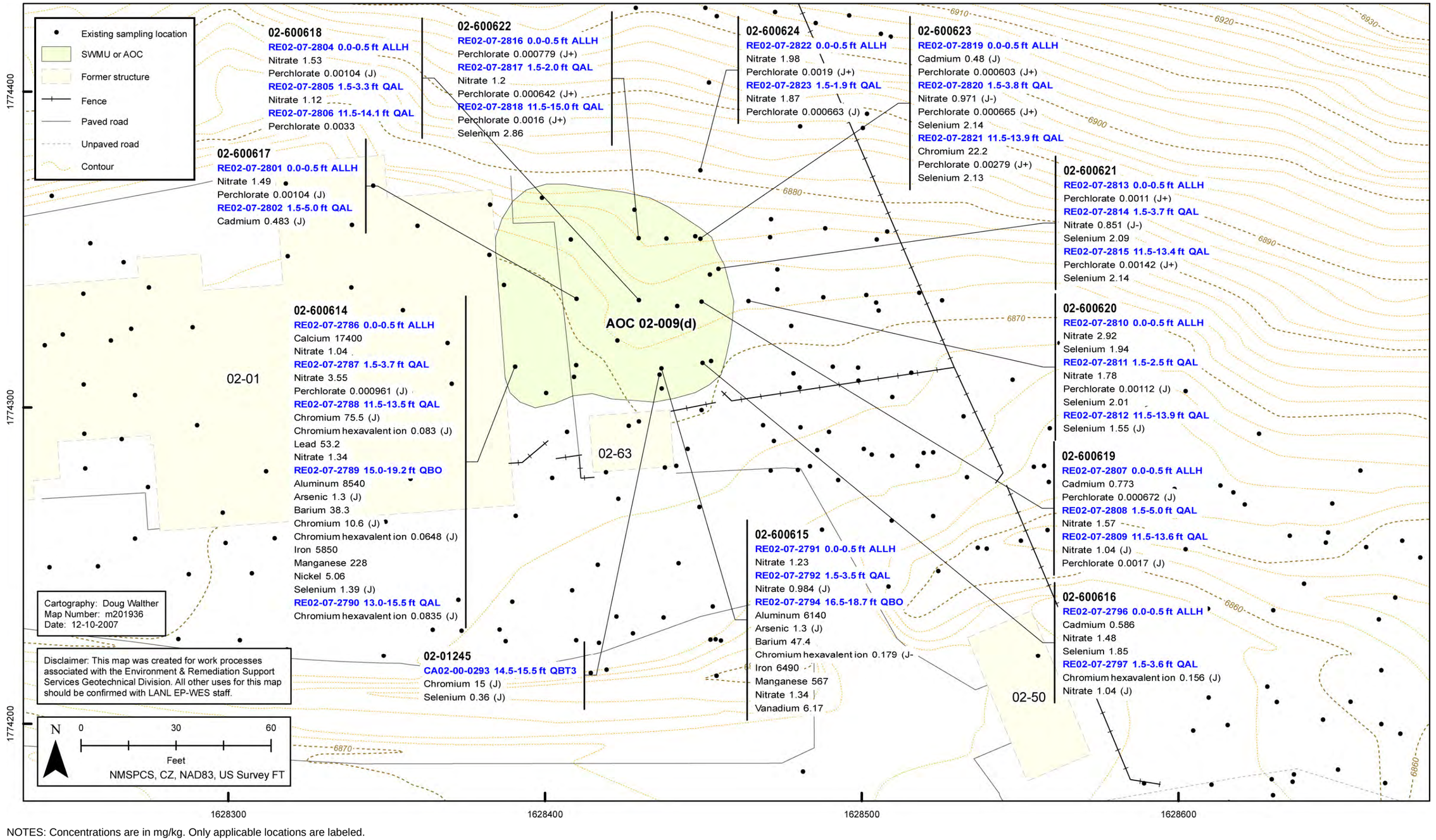
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.19-2 Organic chemicals detected at AOCs 02-008(c), 02-011(b)



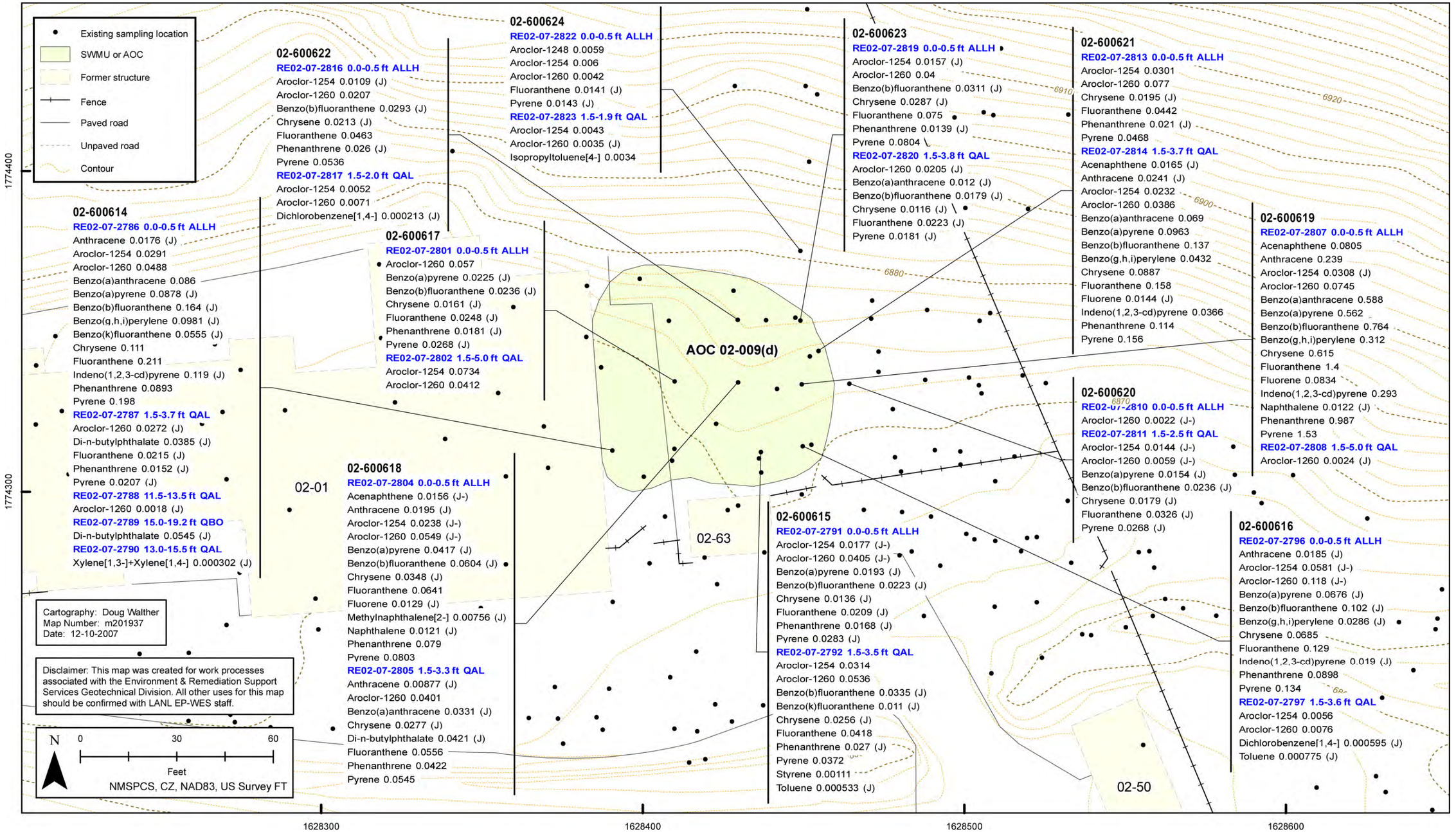
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.19-3 Radionuclide COPCs detected or detected above BVs/FVs at AOCs 02-008(c), 02-011(b)



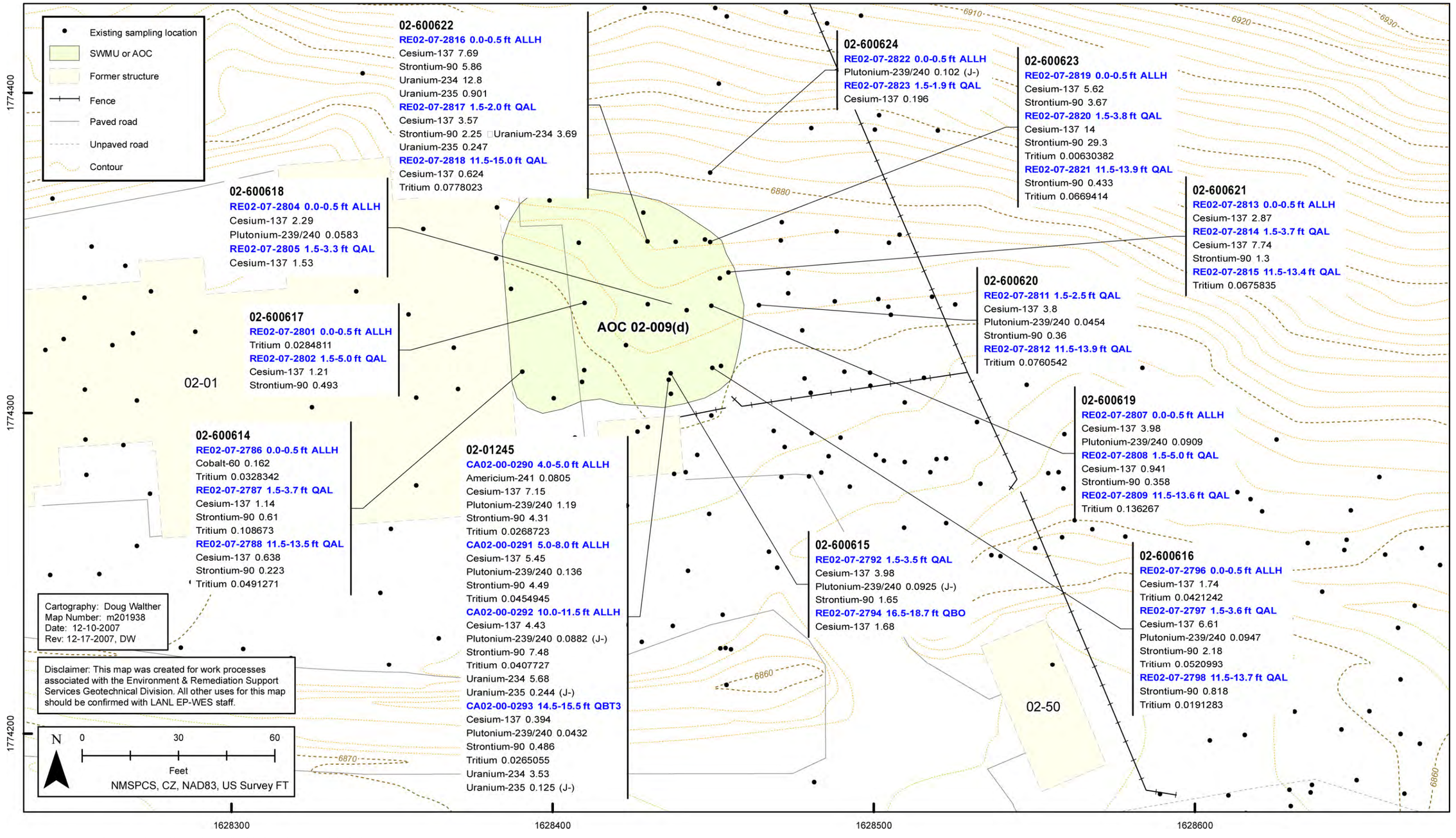
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.20-1 Inorganic COPCs detected or detected above BVs at AOC 02-009(d)



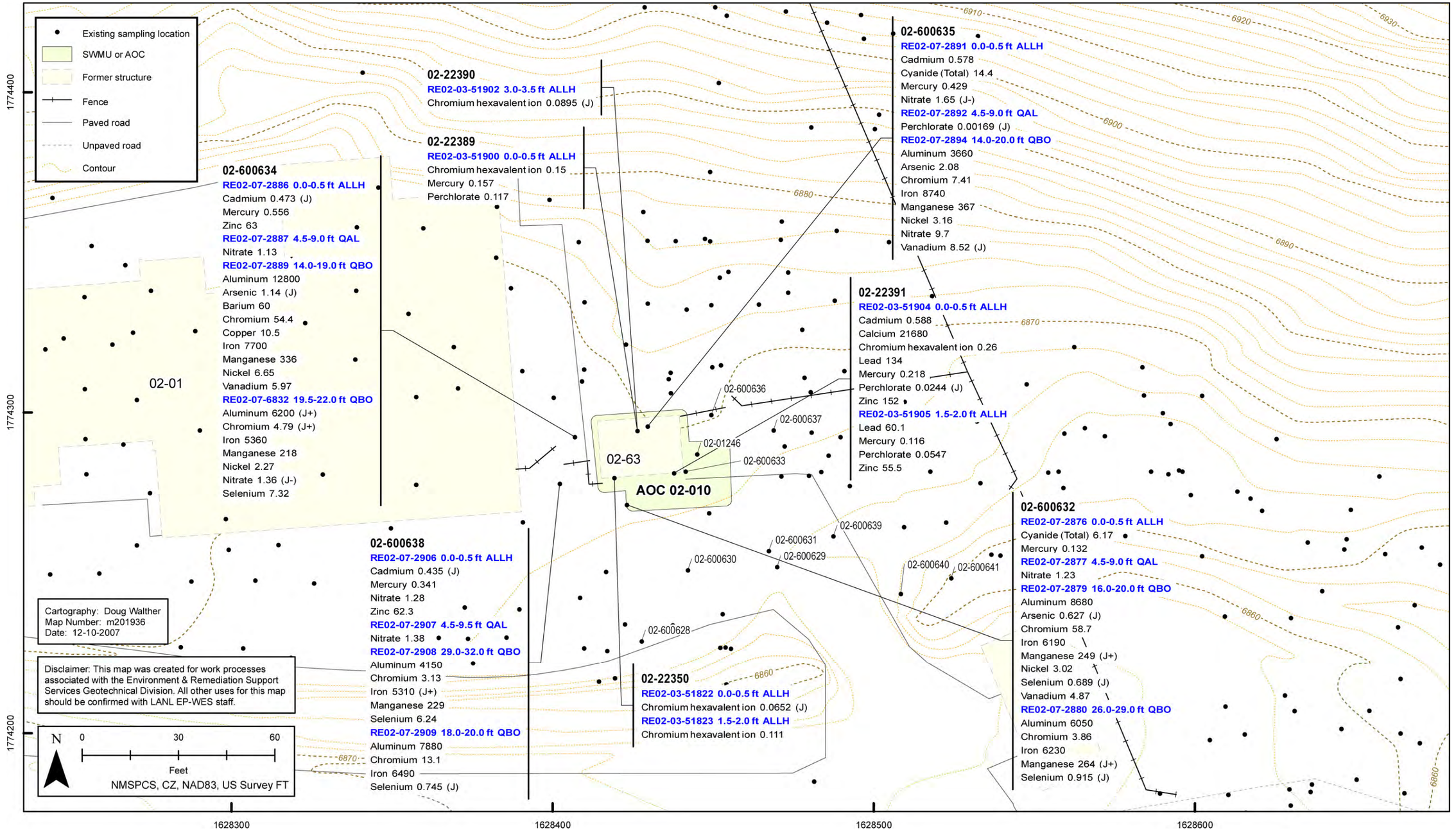
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.20-2 Organic chemicals detected at AOC 02-009(d)



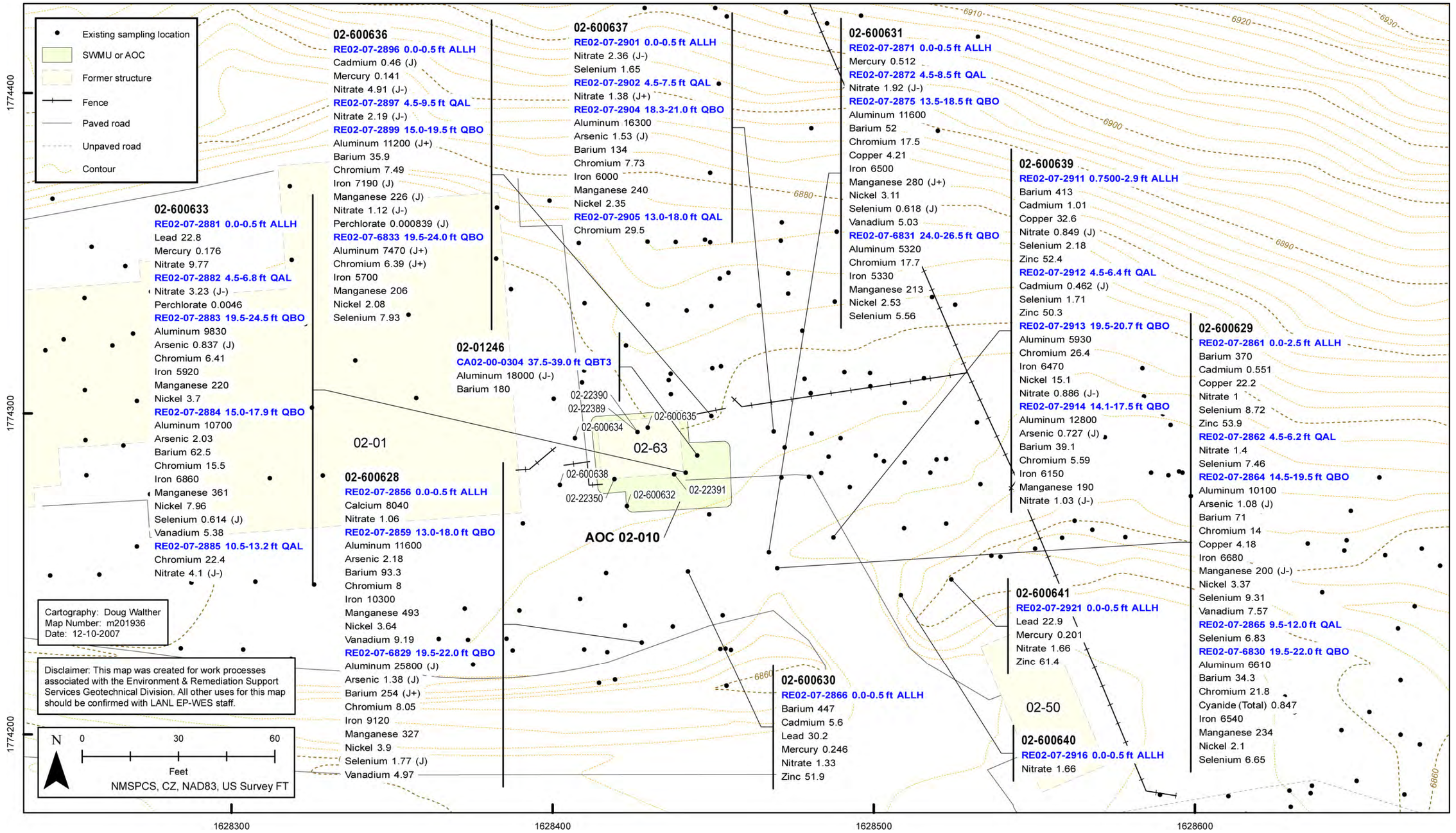
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.20-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-009(d)



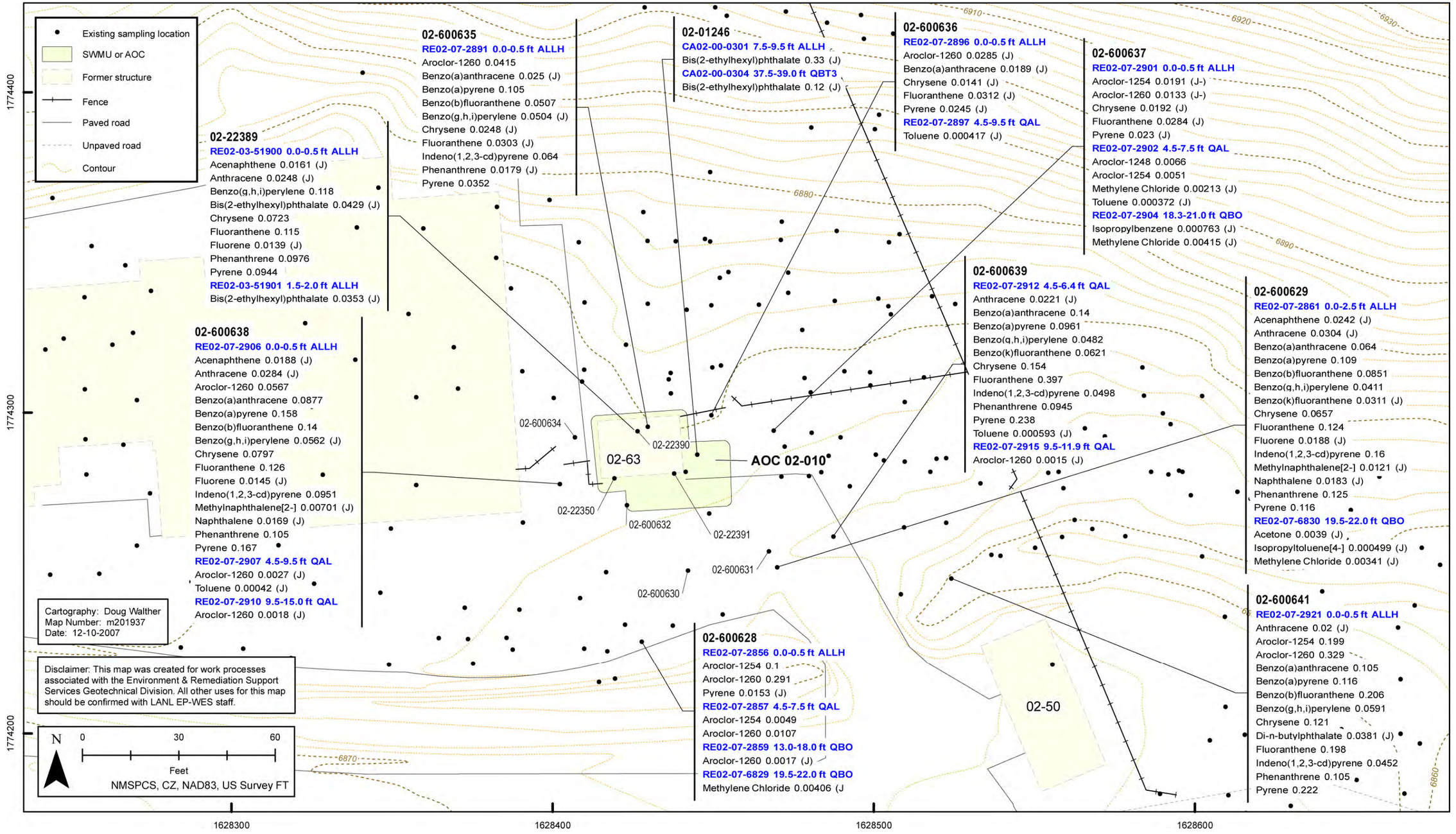
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.22-1 Inorganic COPCs detected or detected above BVs at AOC 02-010 (1 of 2)



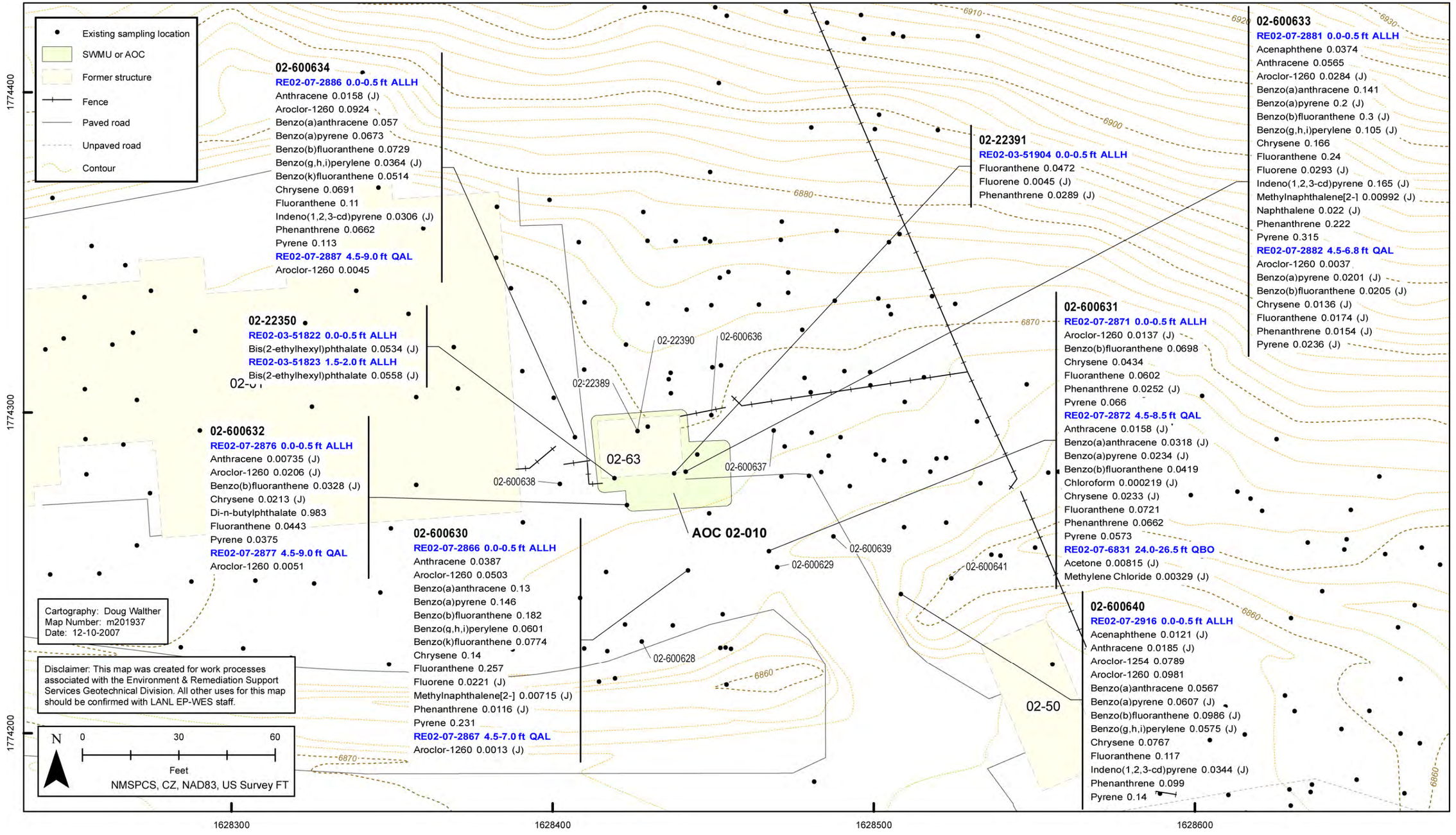
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.22-1 Inorganic COPCs detected or detected above BVs at AOC 02-010 (2 of 2)



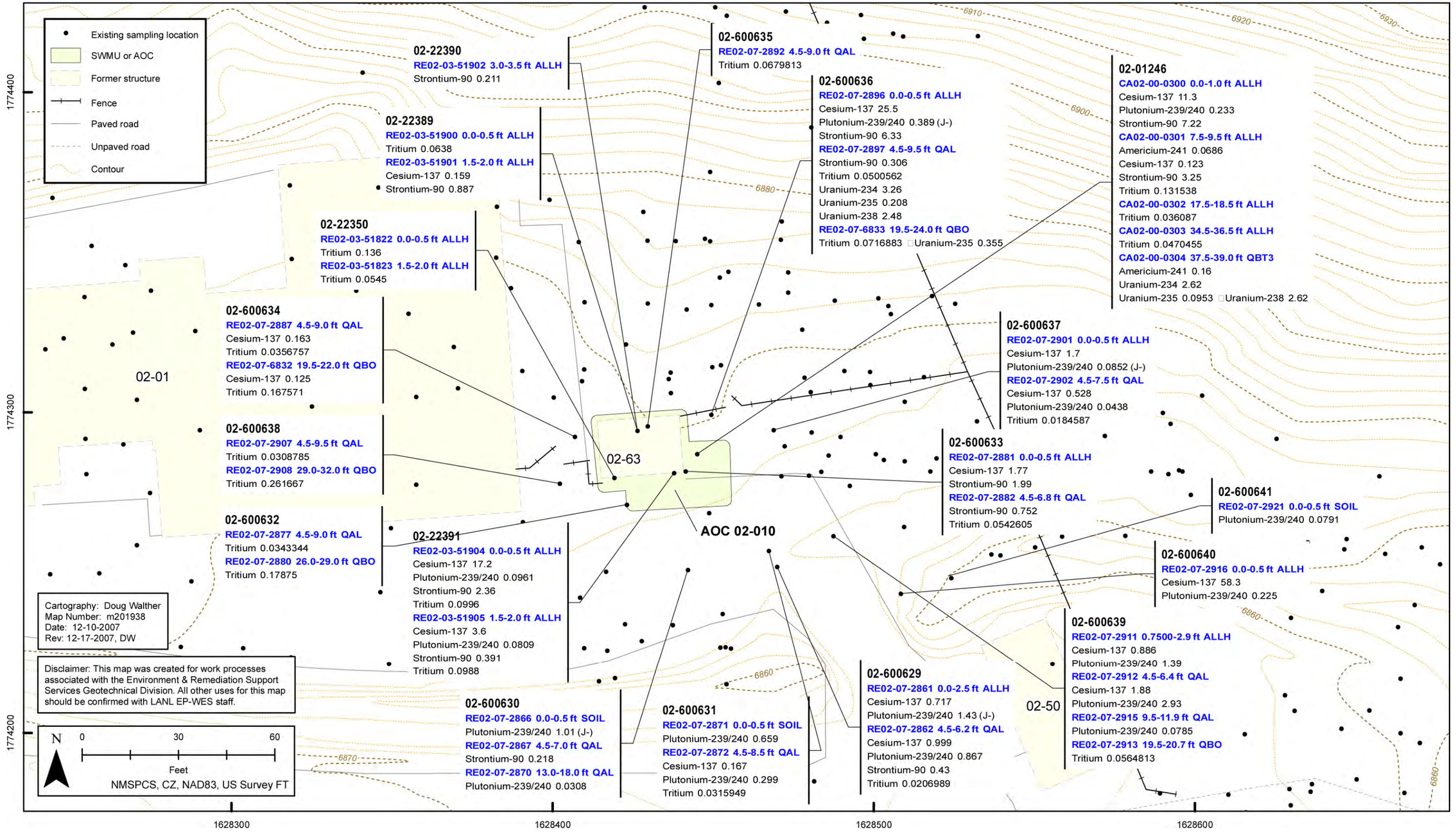
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.22-2 Organic chemicals detected at AOC 02-010 (1 of 2)



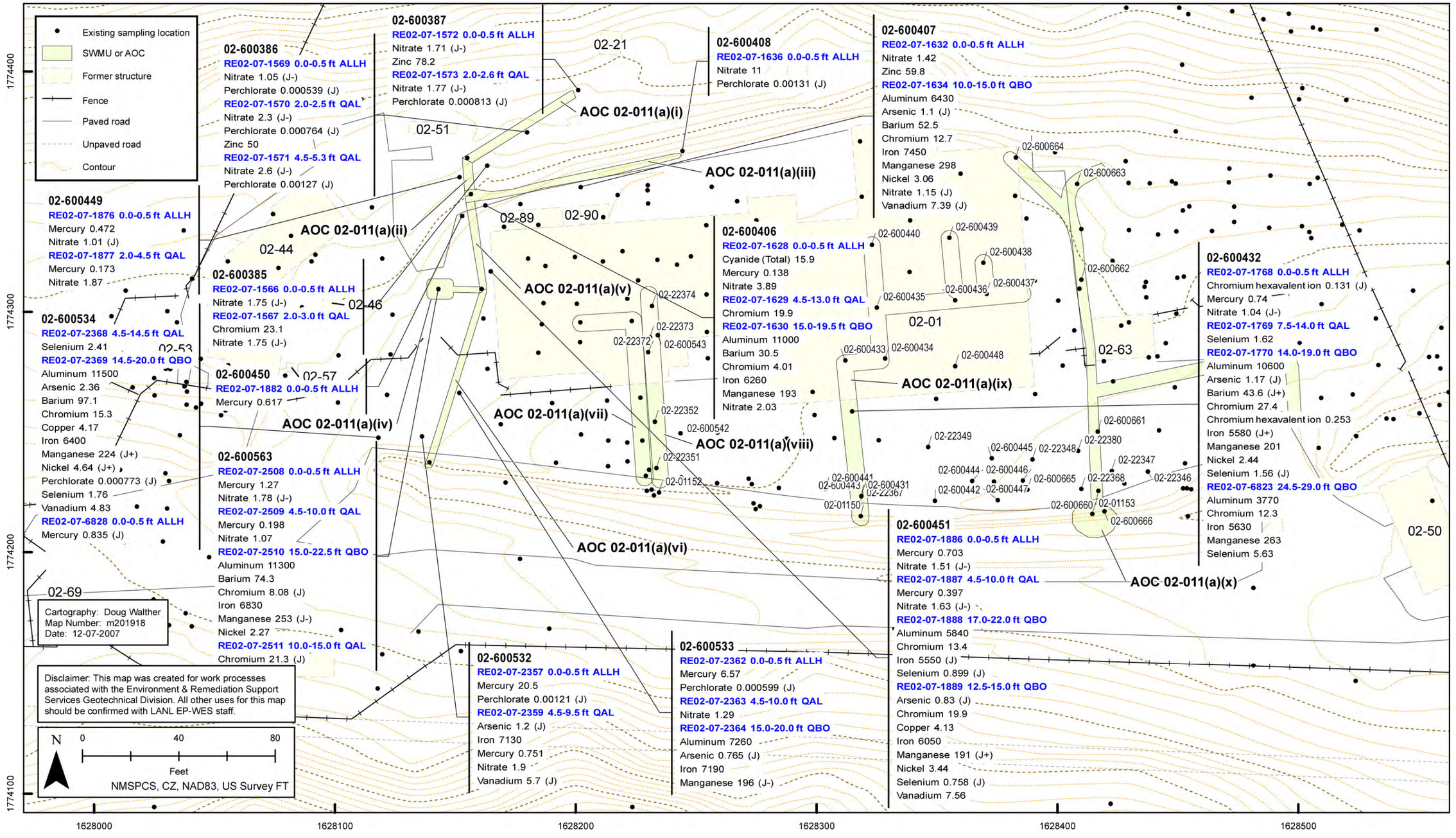
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.22-2 Organic chemicals detected at AOC 02-010 (2 of 2)



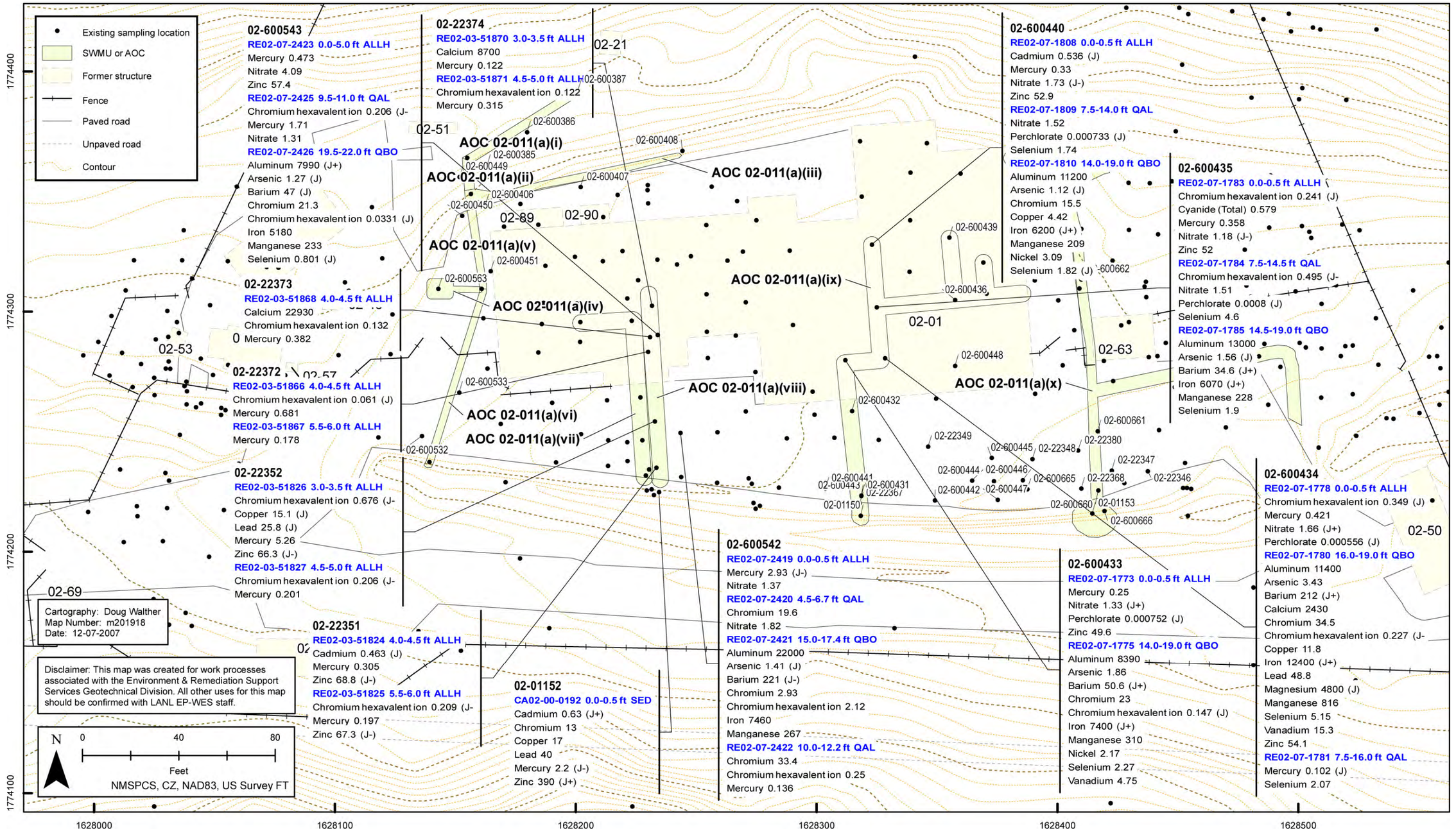
NOTES: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.22-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-010



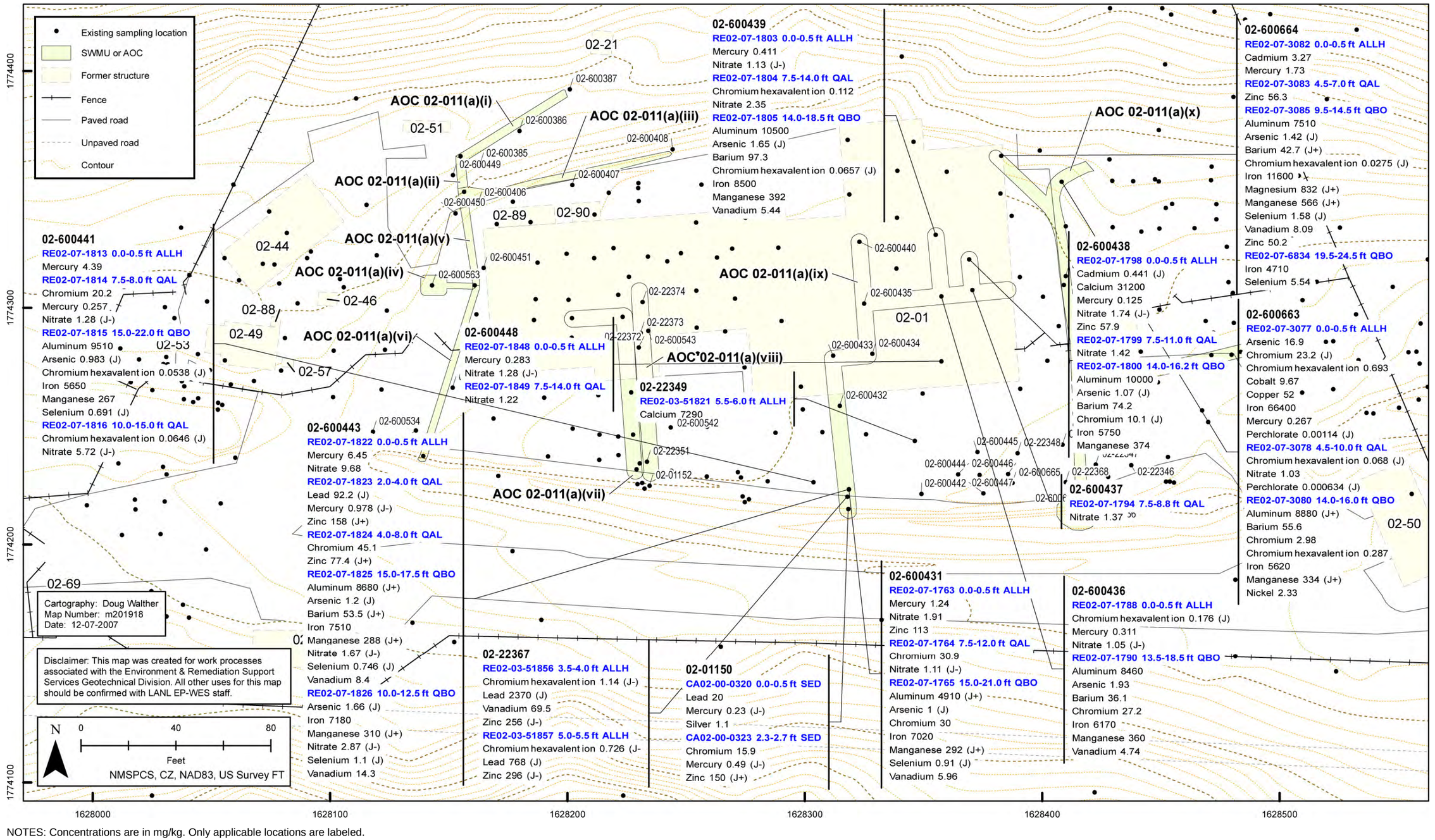
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-1 Inorganic COPCs detected or detected above BVs at AOC 02-011(a) (1 of 4)



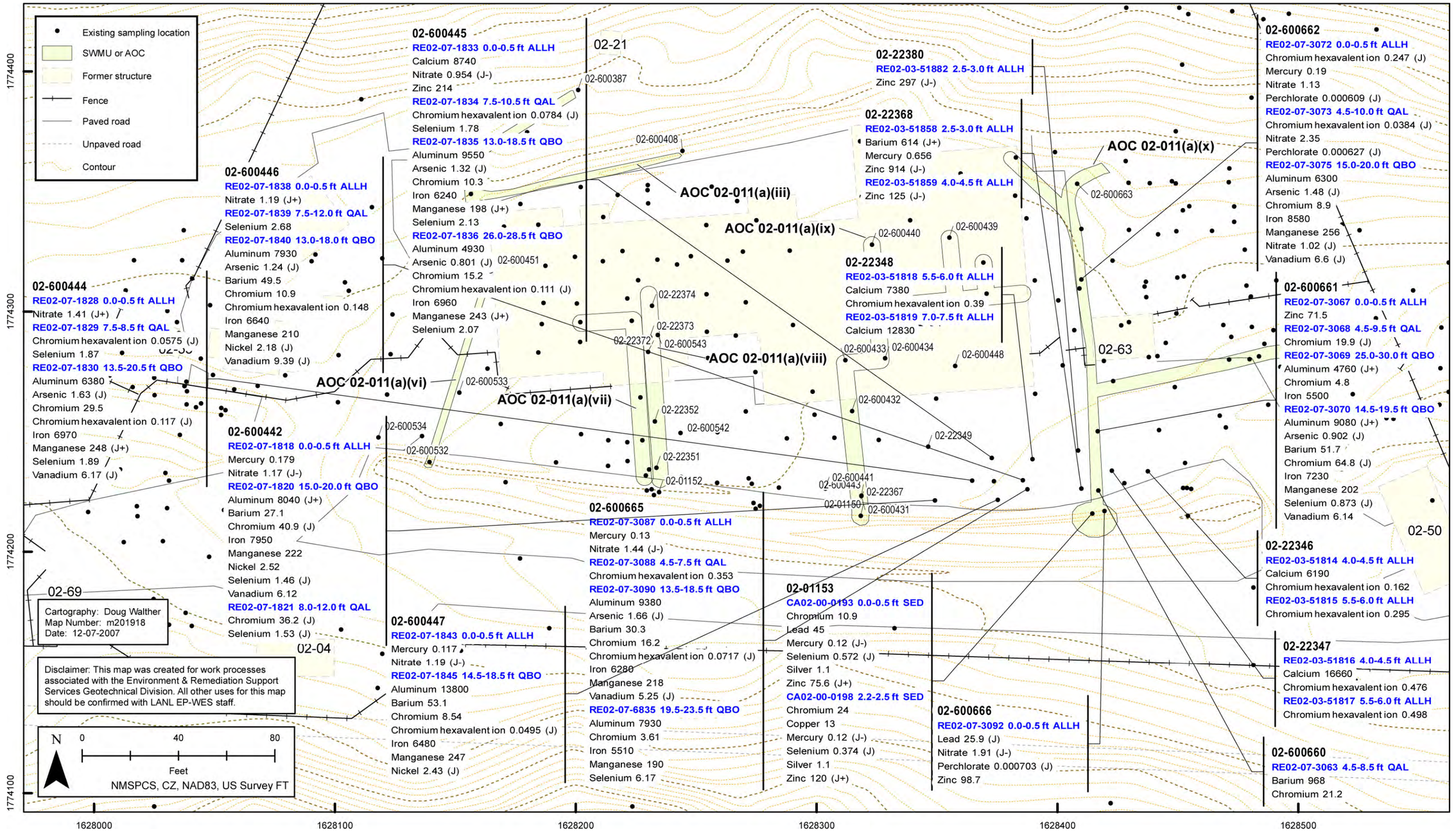
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-1 Inorganic COPCs detected or detected above BVs at AOC 02-011(a) (2 of 4)



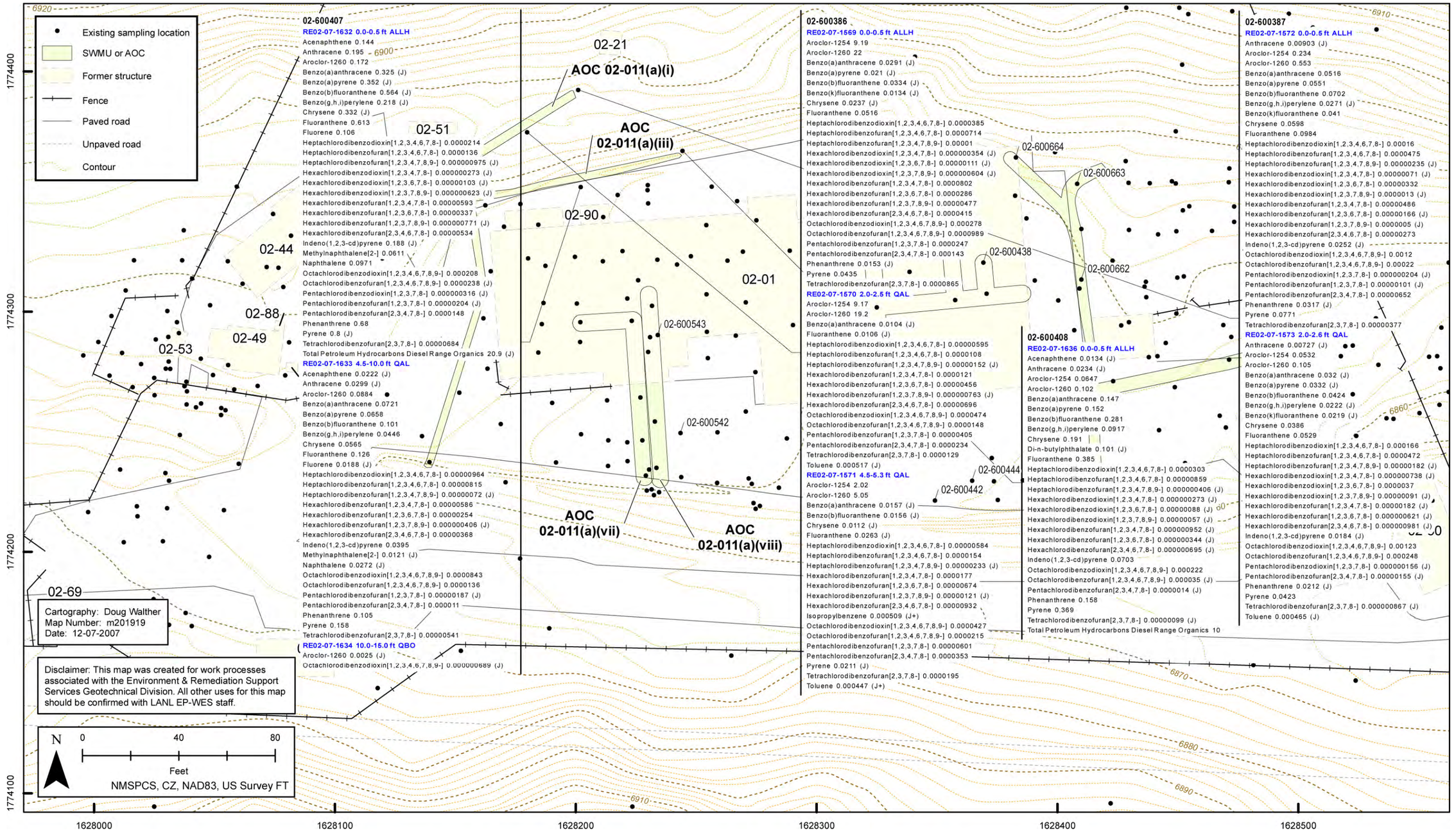
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-1 Inorganic COPCs detected or detected above BVs at AOC 02-011(a) (3 of 4)



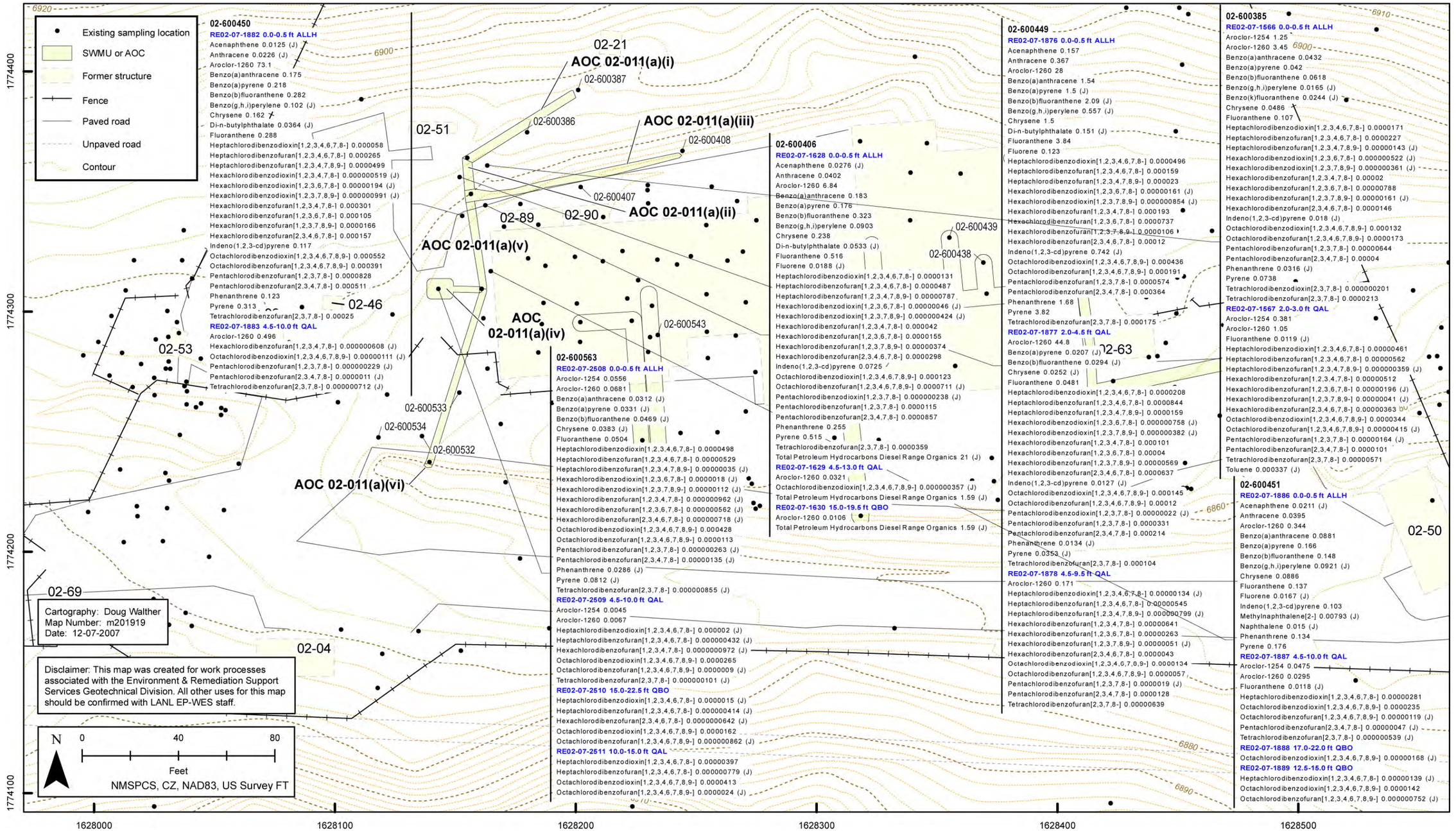
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-1 Inorganic COPCs detected or detected above BVs at AOC 02-011(a) (4 of 4)



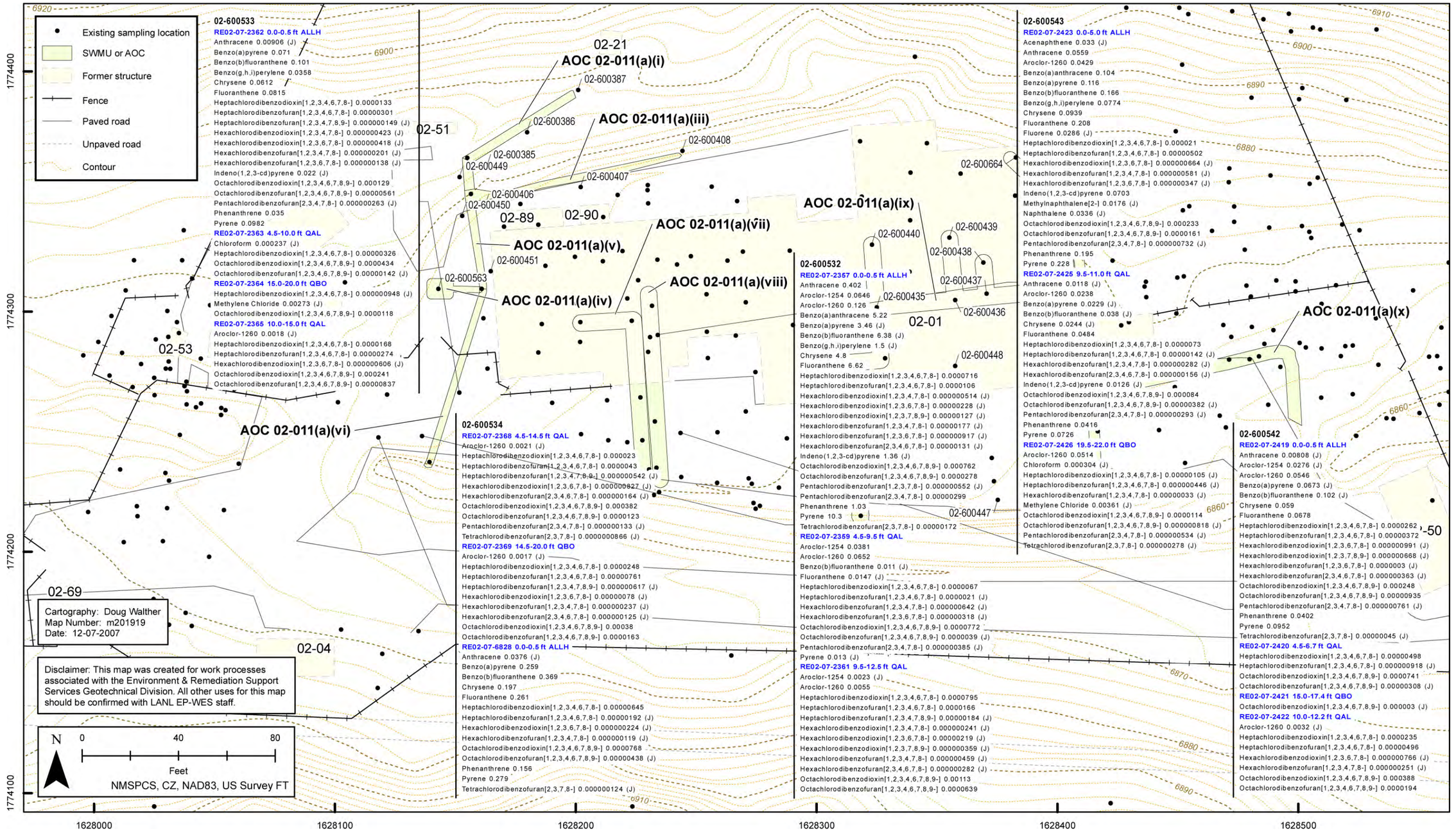
NOTES: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (1 of 6)



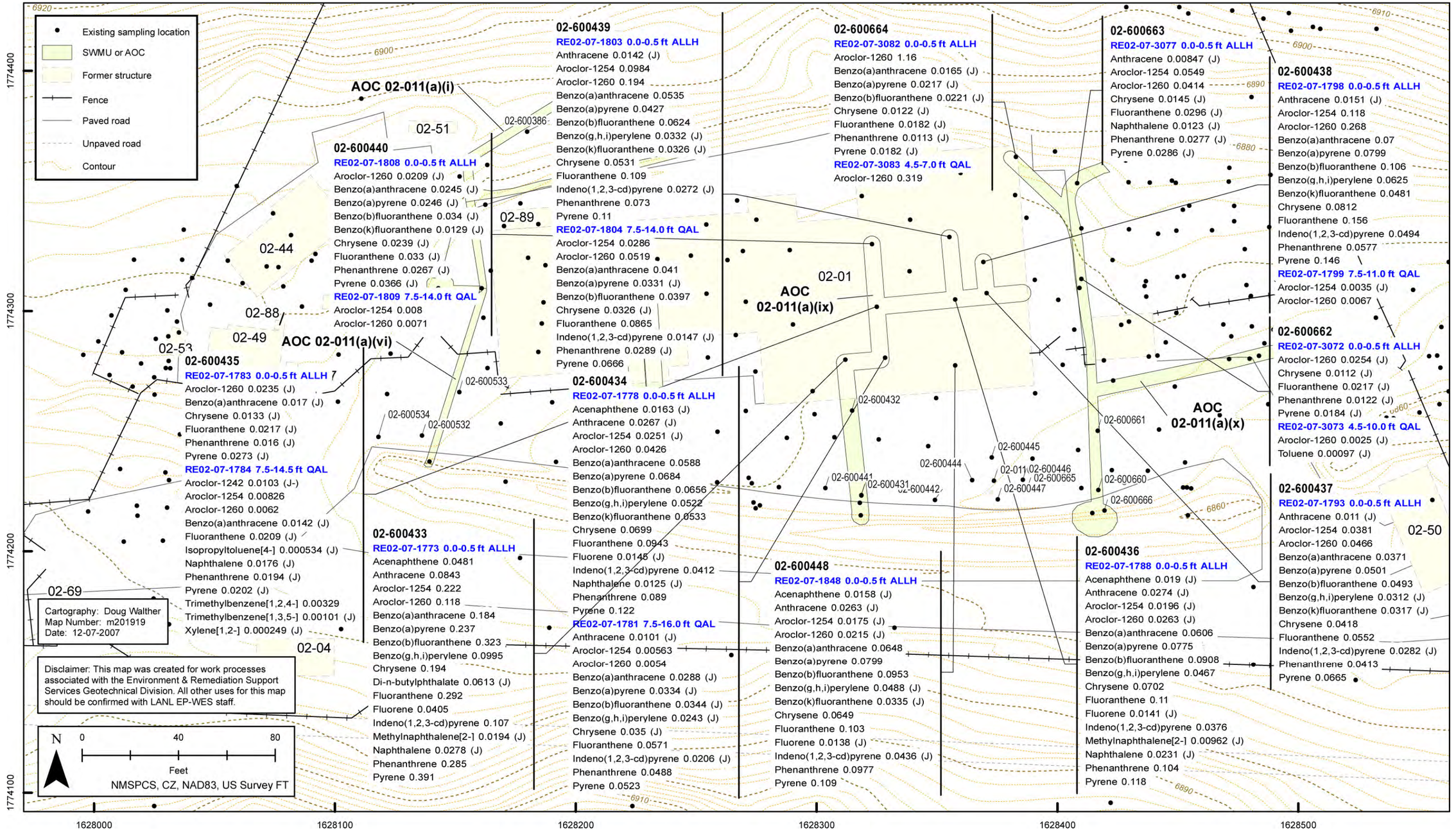
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (2 of 6)



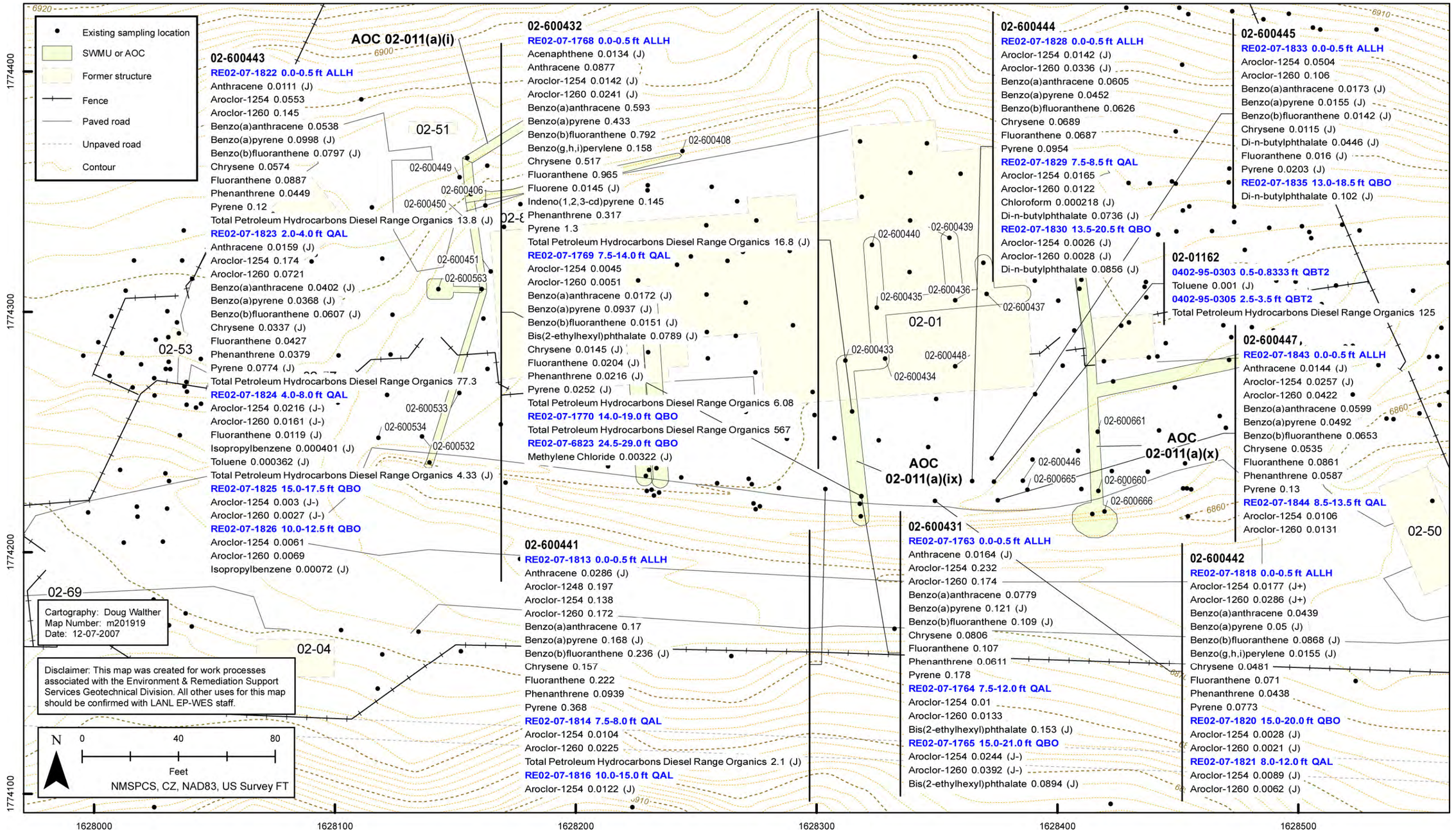
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (3 of 6)



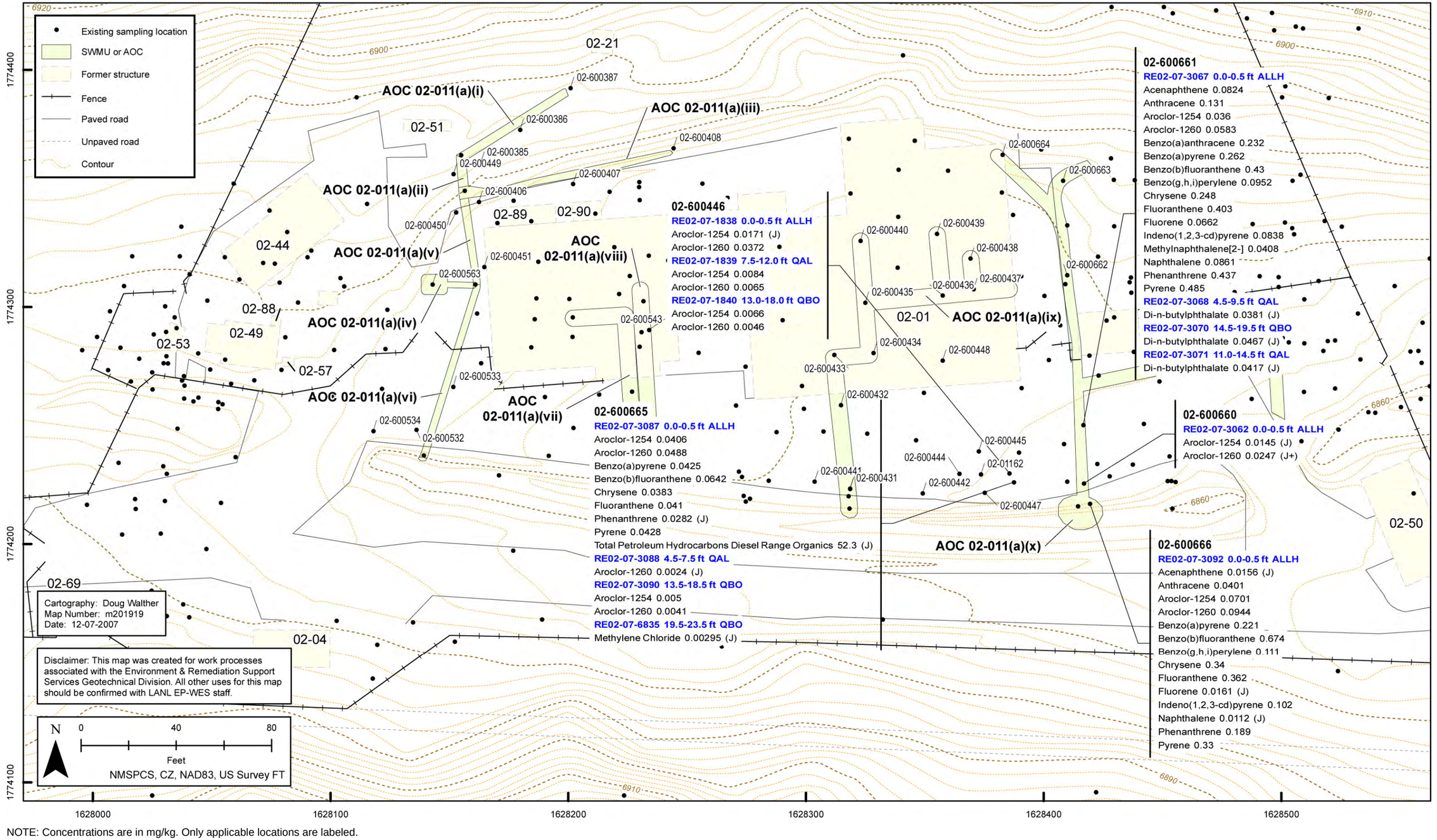
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (4 of 6)



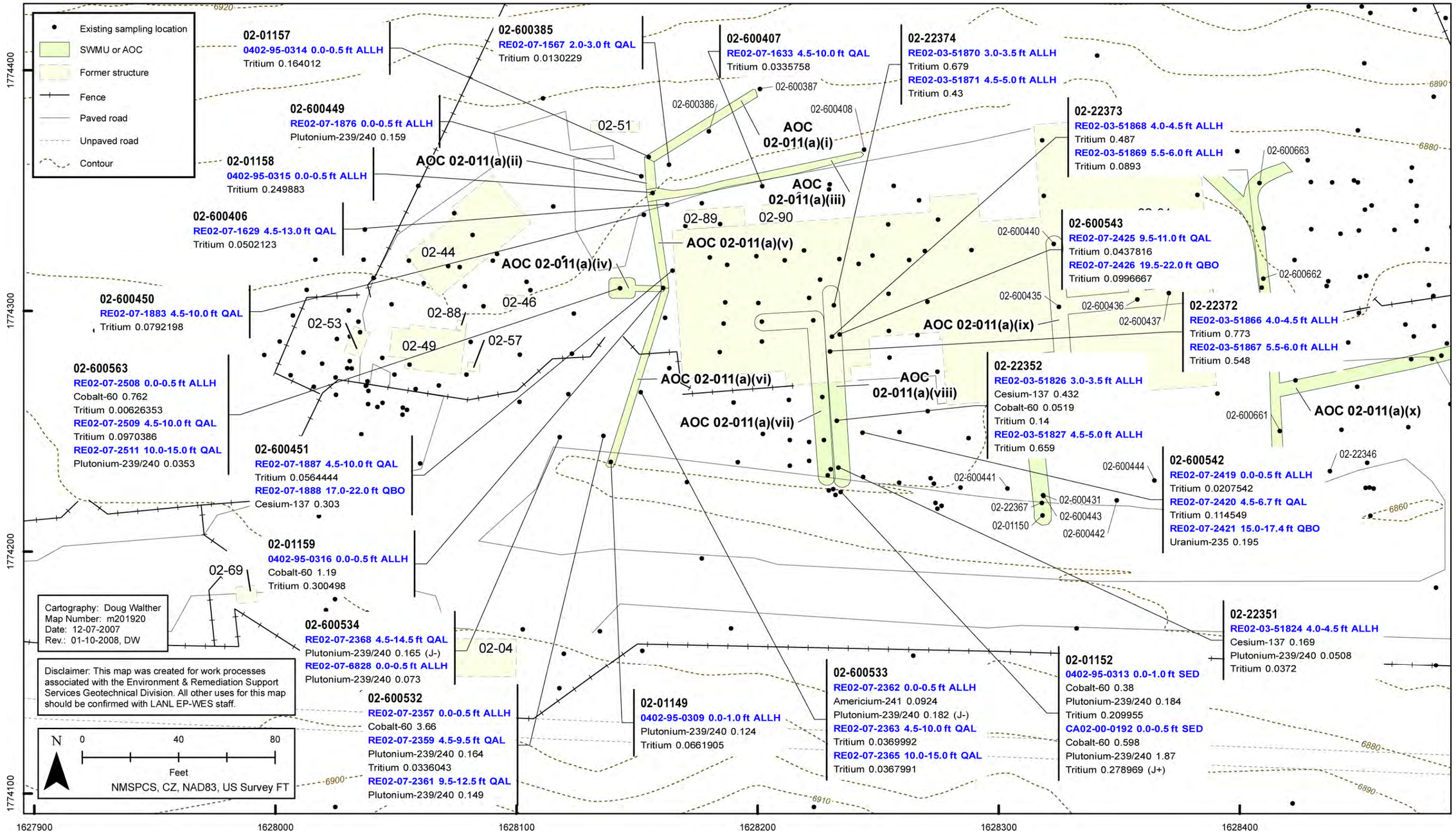
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (5 of 6)



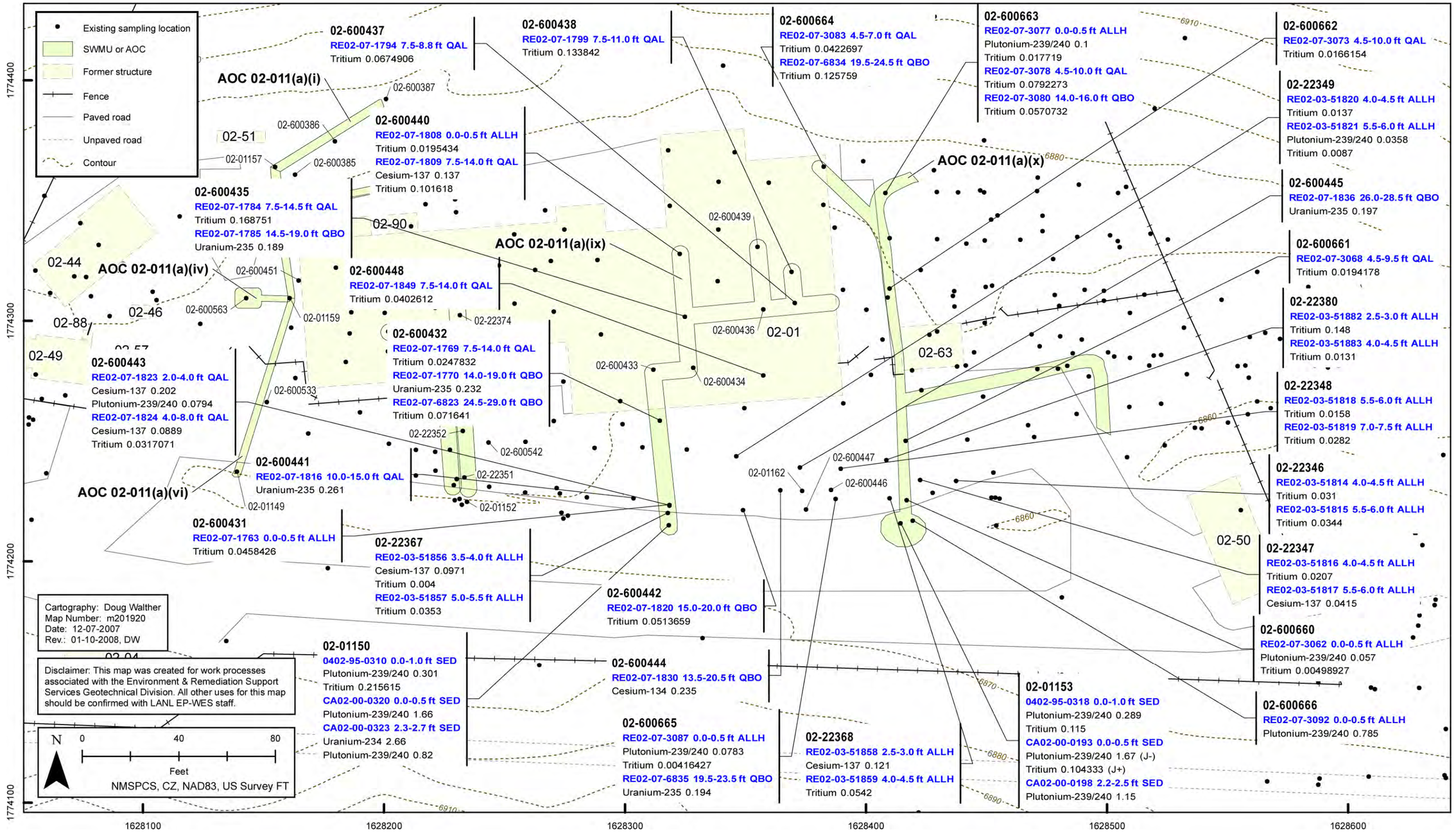
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.23-2 Organic chemicals detected at AOC 02-011(a) (6 of 6)



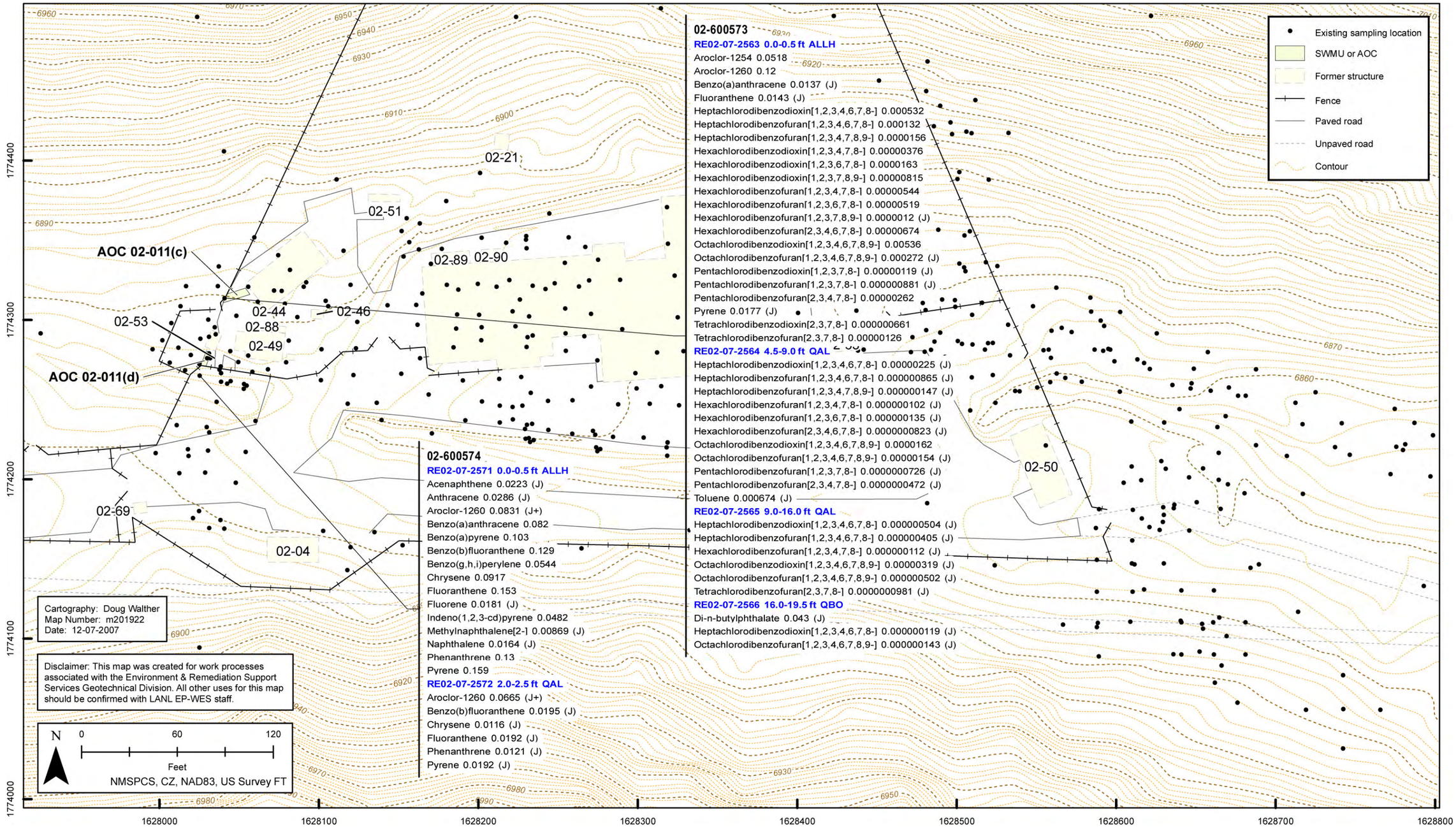
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.23-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-011(a) (1 of 2)



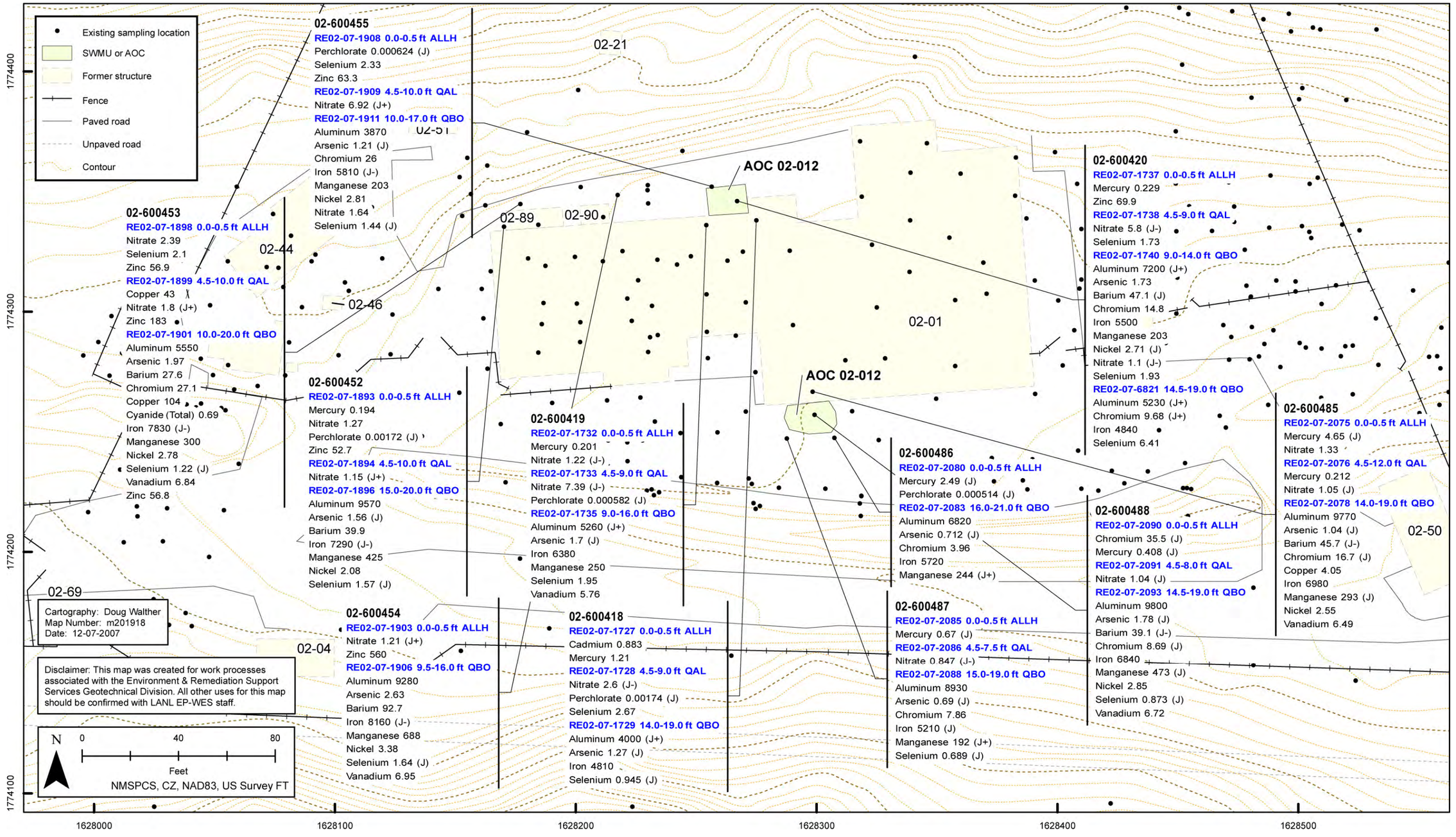
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-2.23-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 02-011(a) (2 of 2)



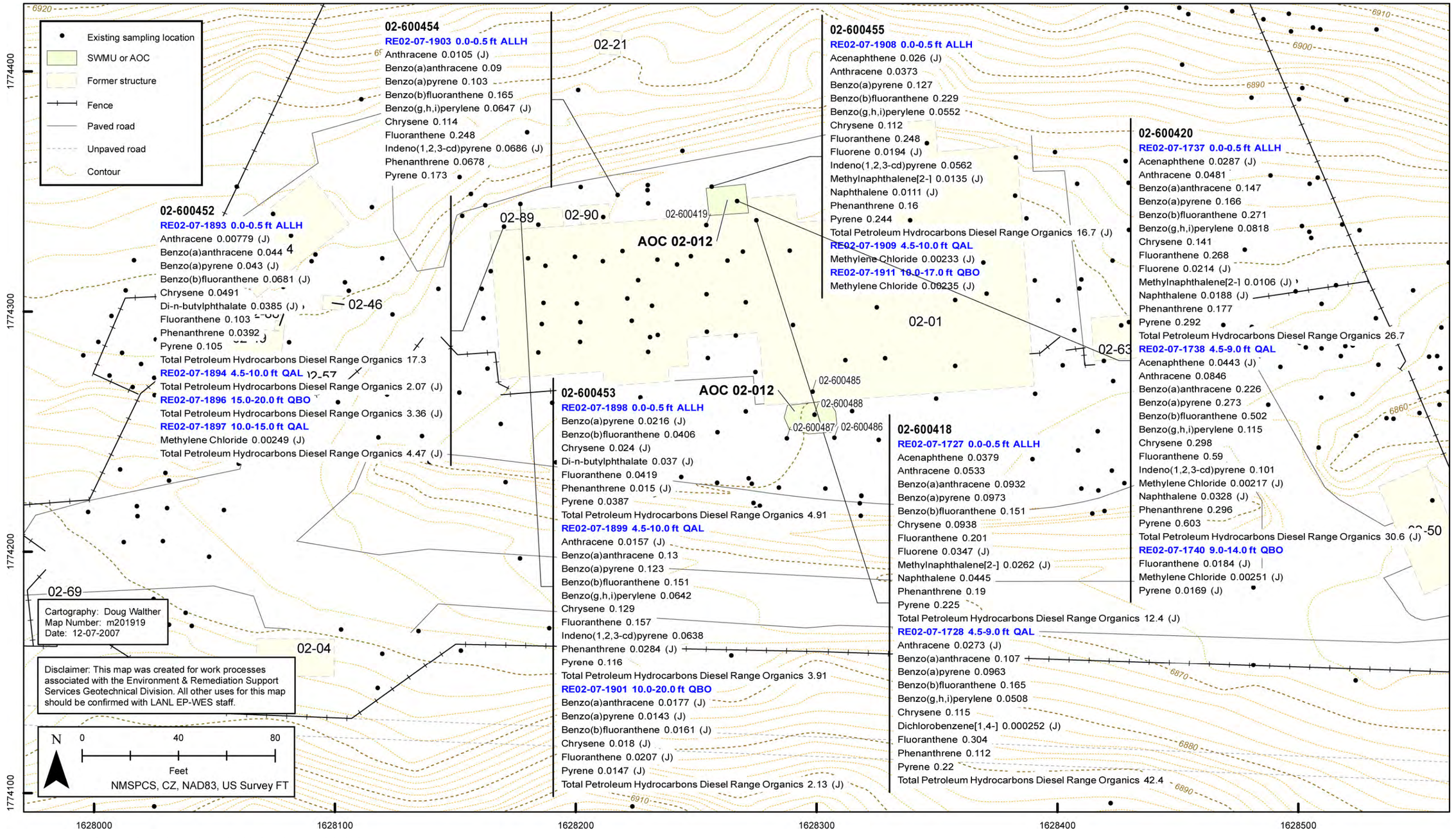
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.25-1 Organic chemicals detected at AOCs 02-011(c), 02-011(d)



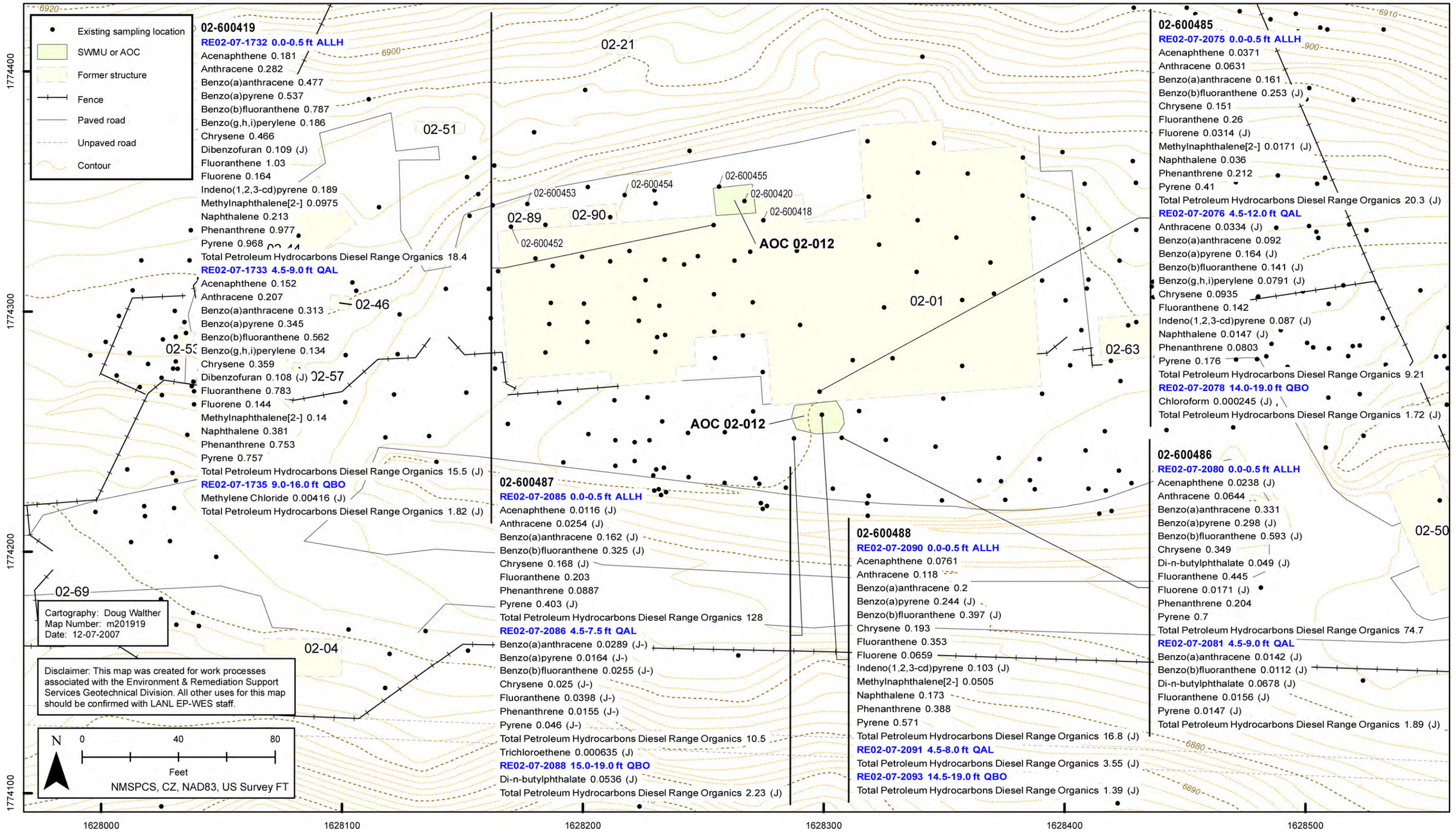
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.28-1 Inorganic COPCs detected or detected above BVs at AOC 02-012



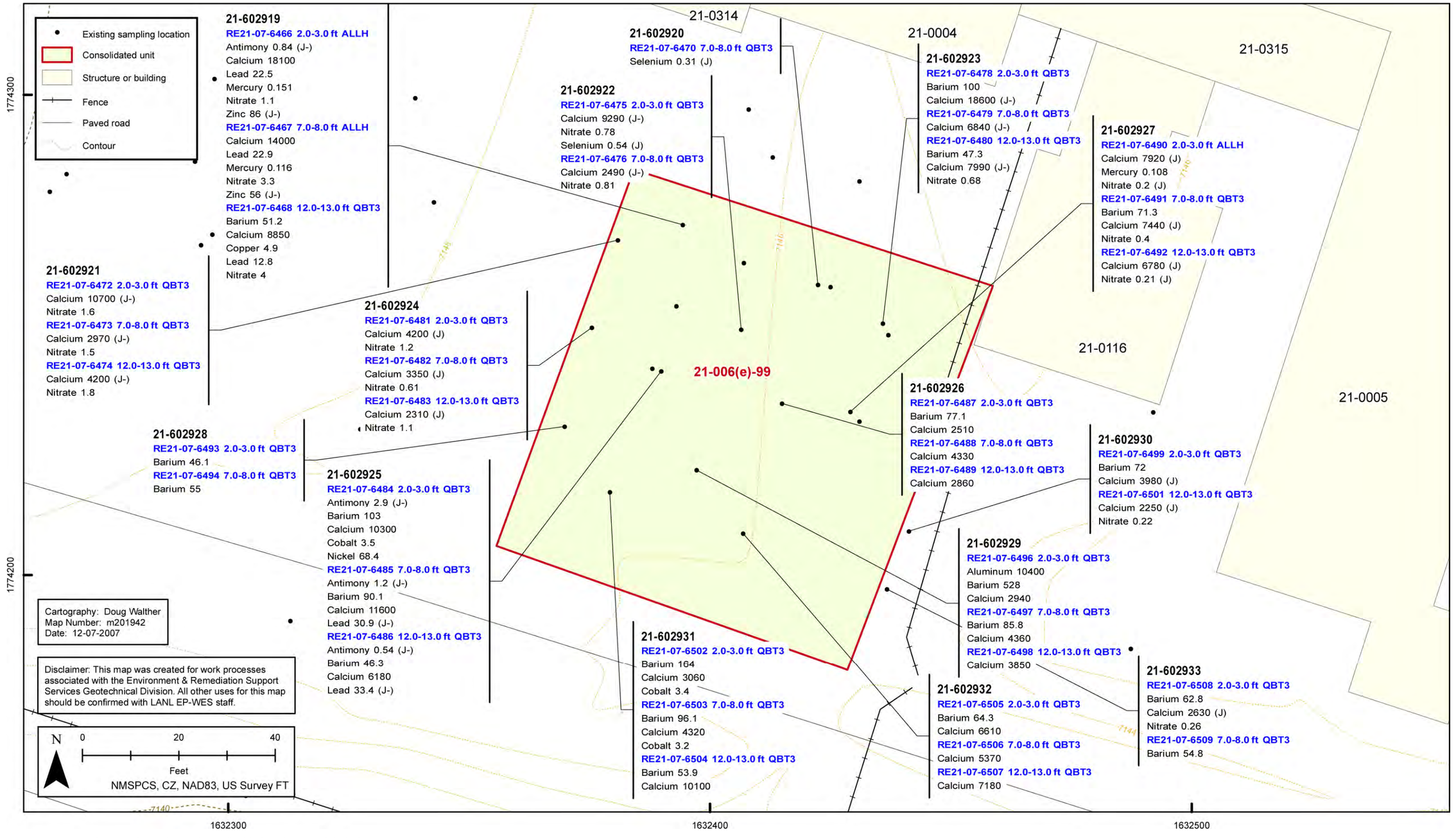
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.28-2 Organic chemicals detected at AOC 02-012 (1 of 2)



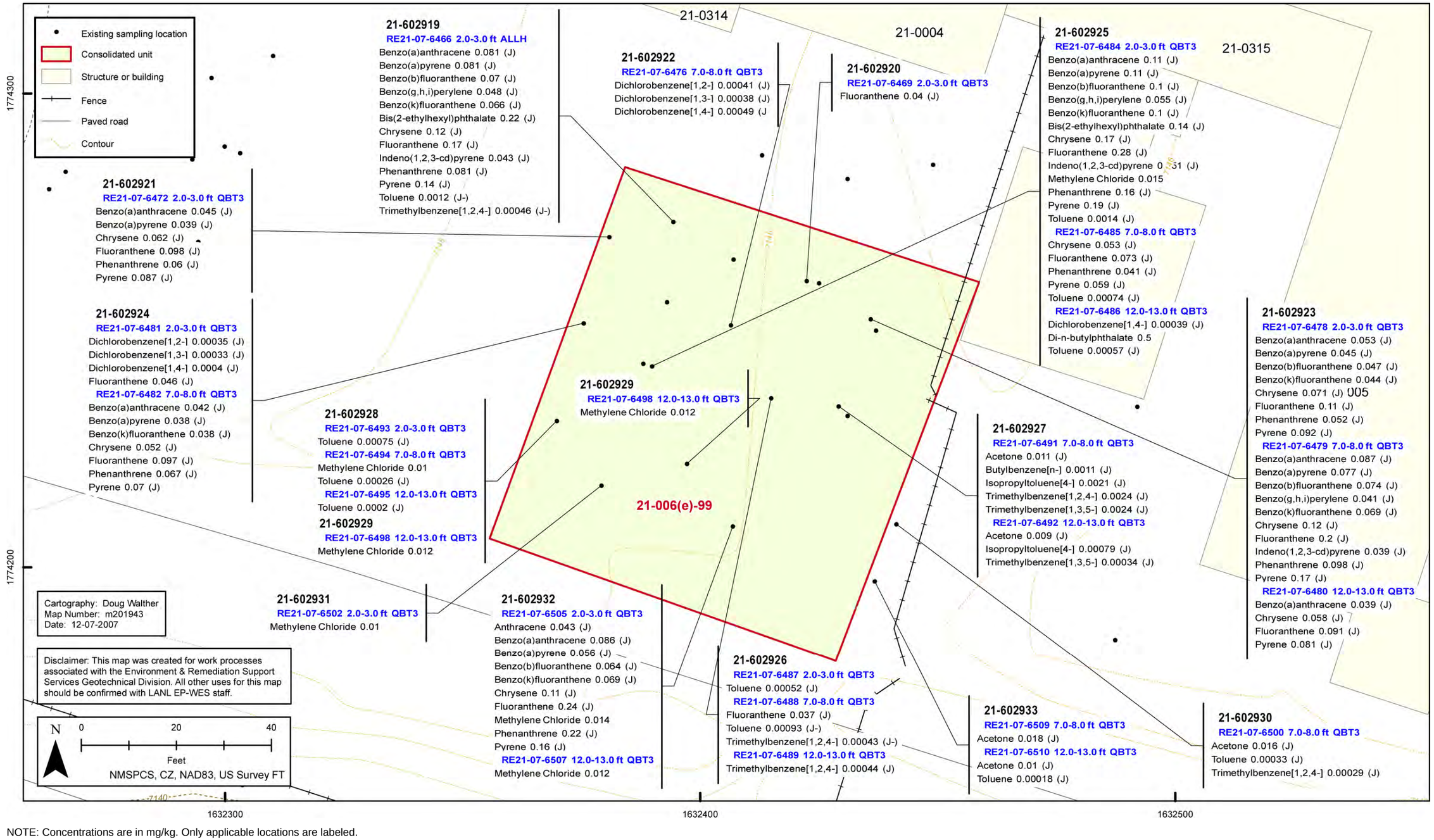
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-2.28-2 Organic chemicals detected at AOC 02-012 (2 of 2)



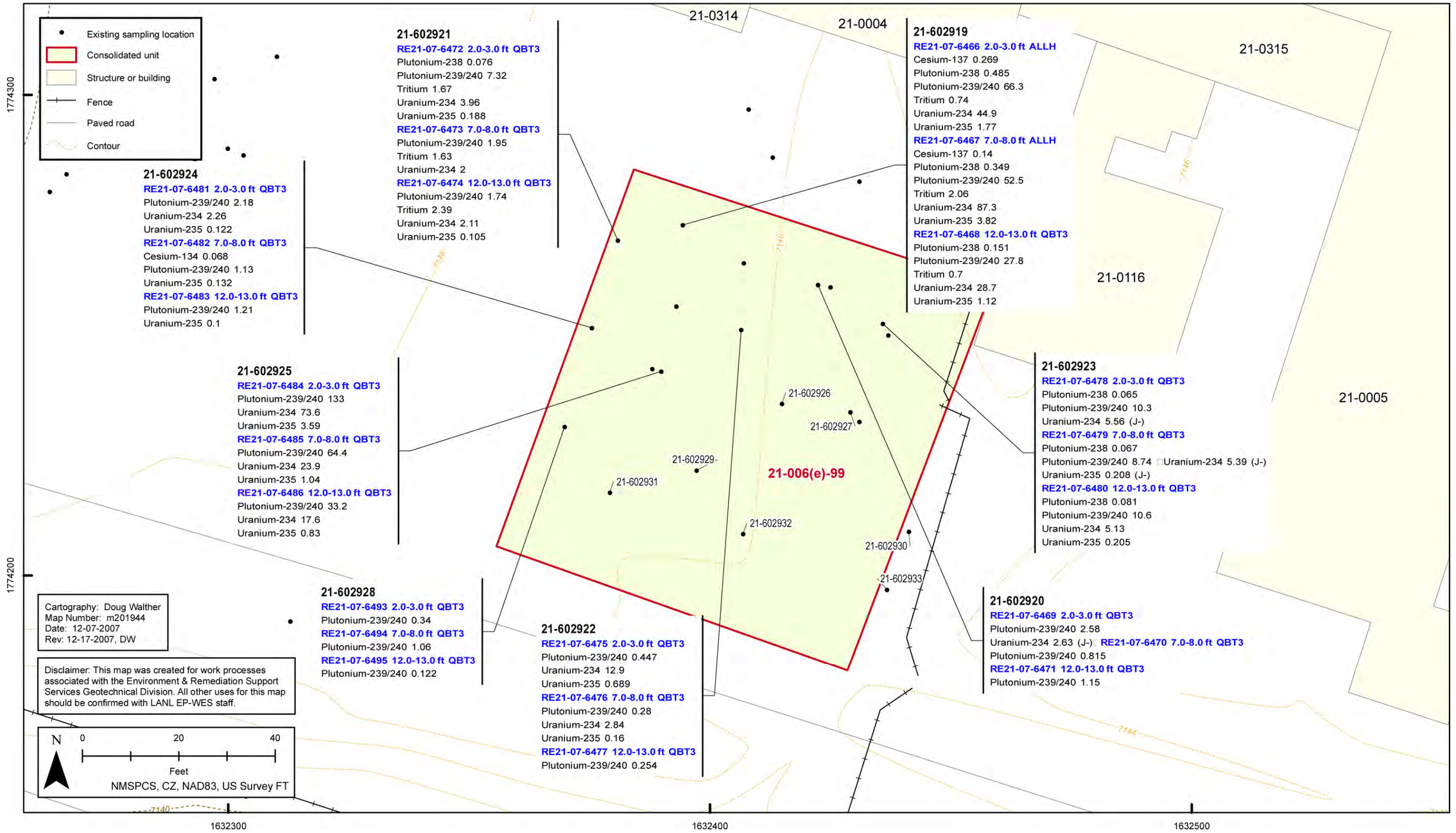
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.1-1 Inorganic COPCs detected or detected above BVs at SWMU 21-006(e)-99



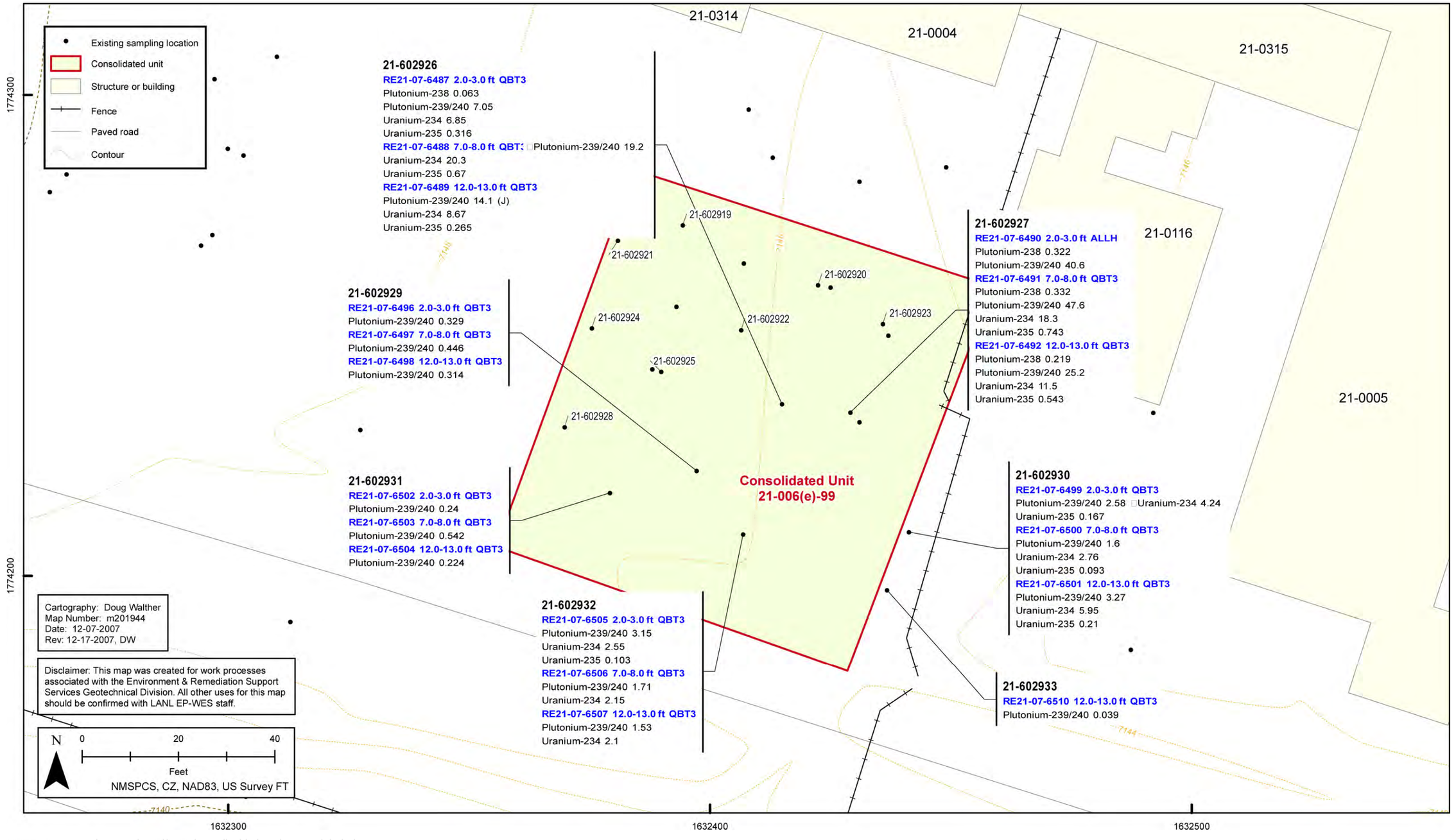
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.1-2 Organic chemicals detected at SWMU 21-006(e)-99



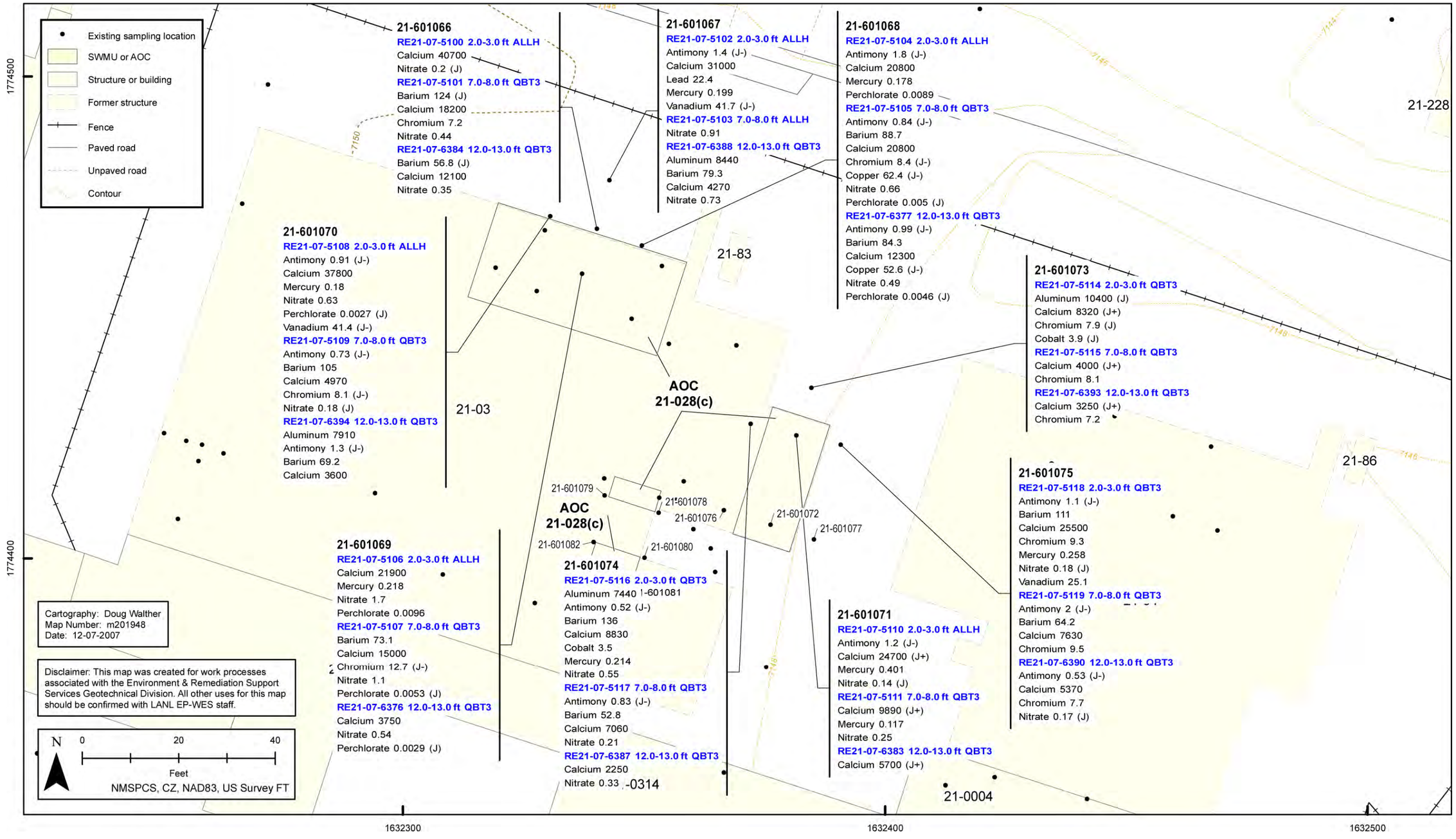
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-3.1-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 21-006(e)-99 (1 of 2)



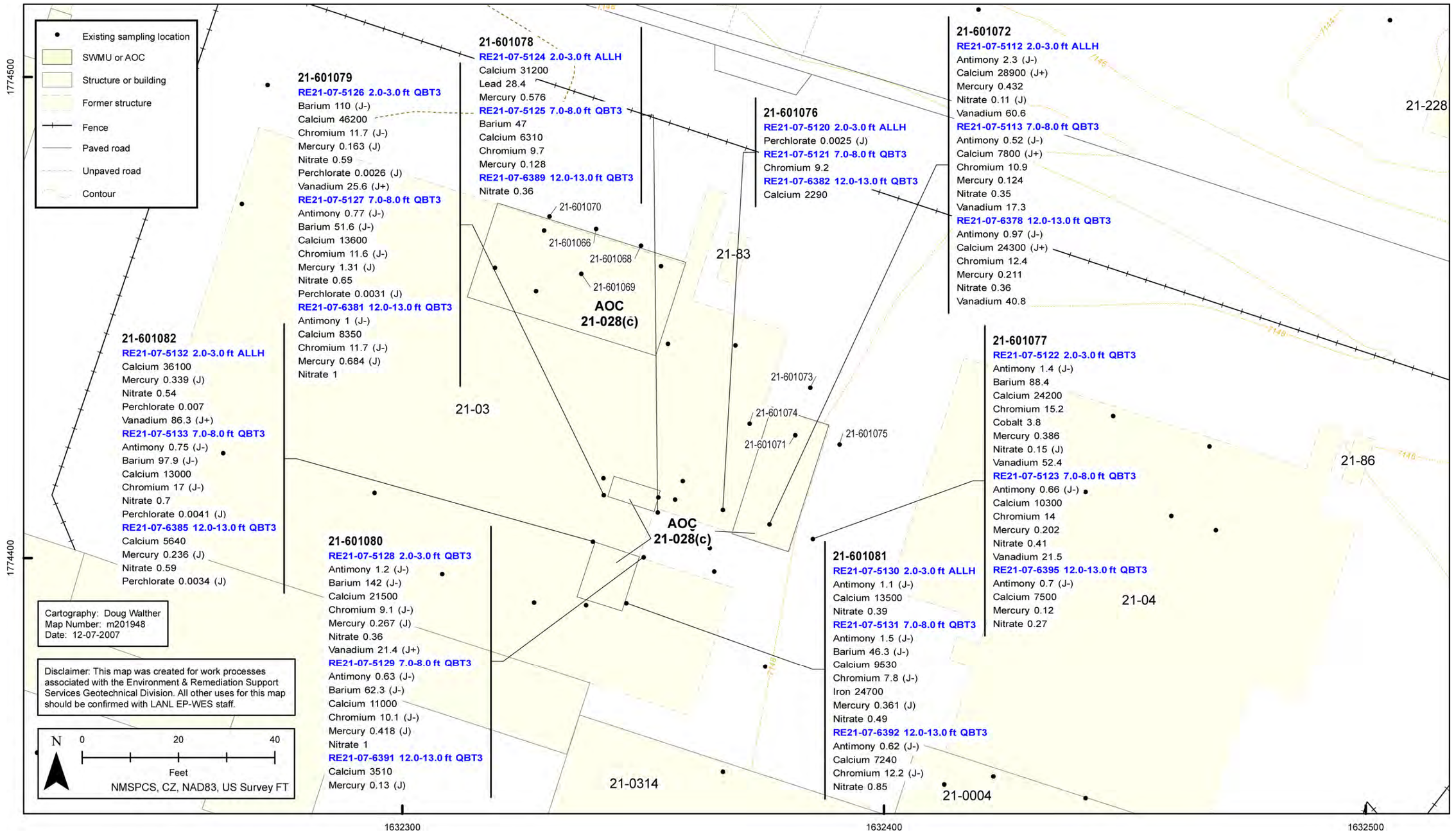
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-3.1-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 21-006(e)-99 (2 of 2)



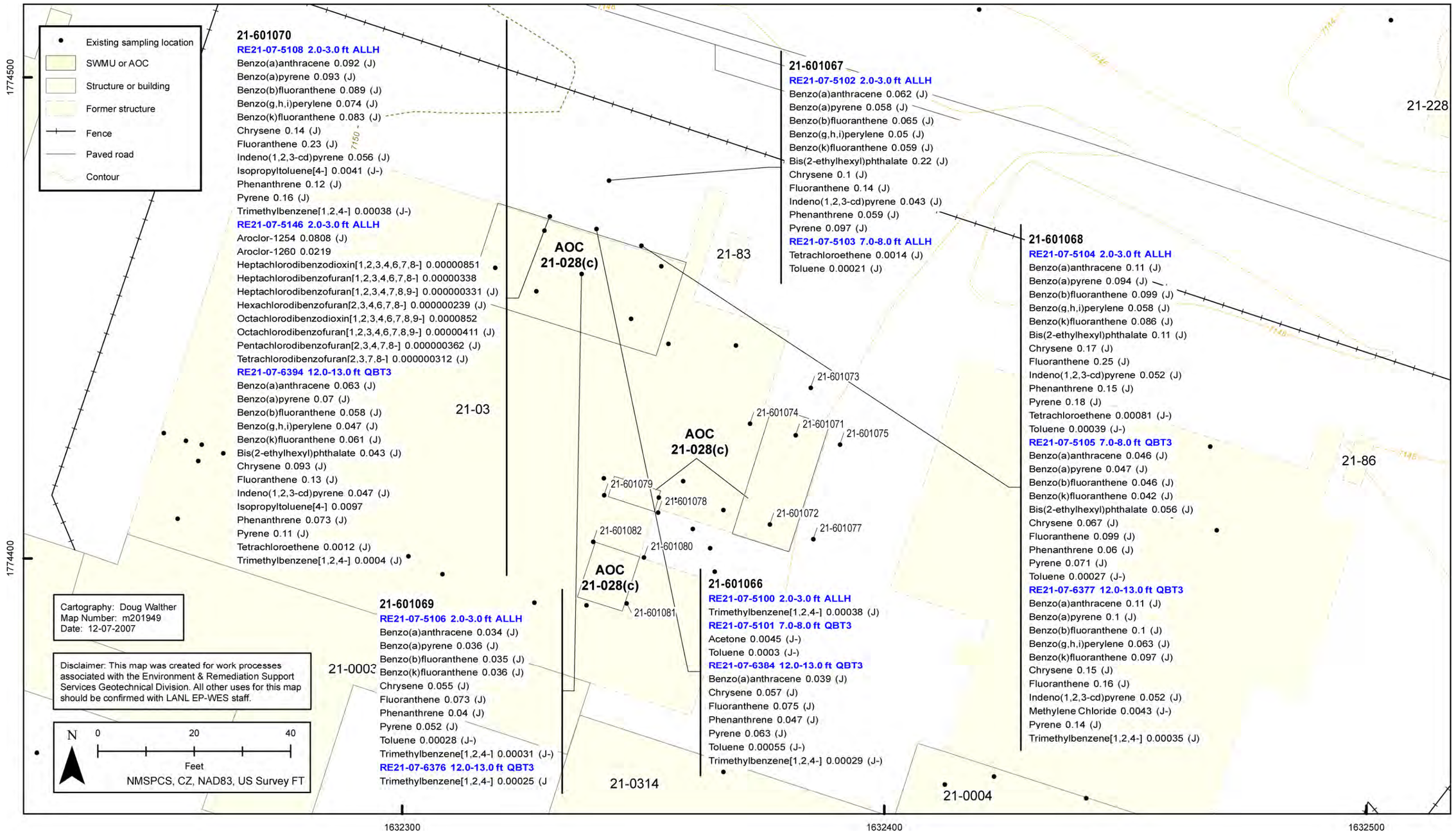
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.2-1 Inorganic COPCs detected or detected above BVs at AOC 21-028(c) (1 of 2)



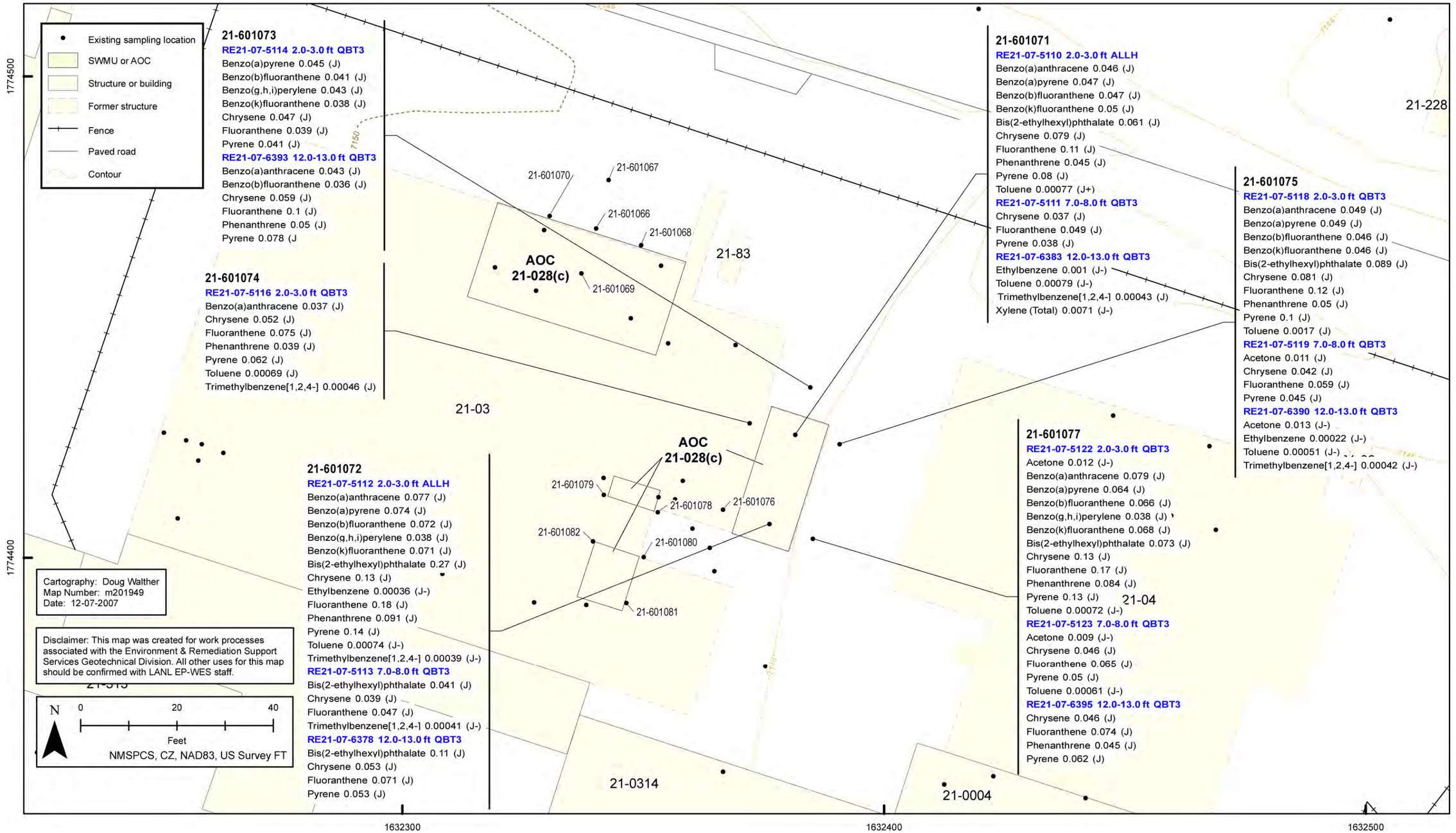
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.2-1 Inorganic COPCs detected or detected above BVs at AOC 21-028(c) (2 of 2)



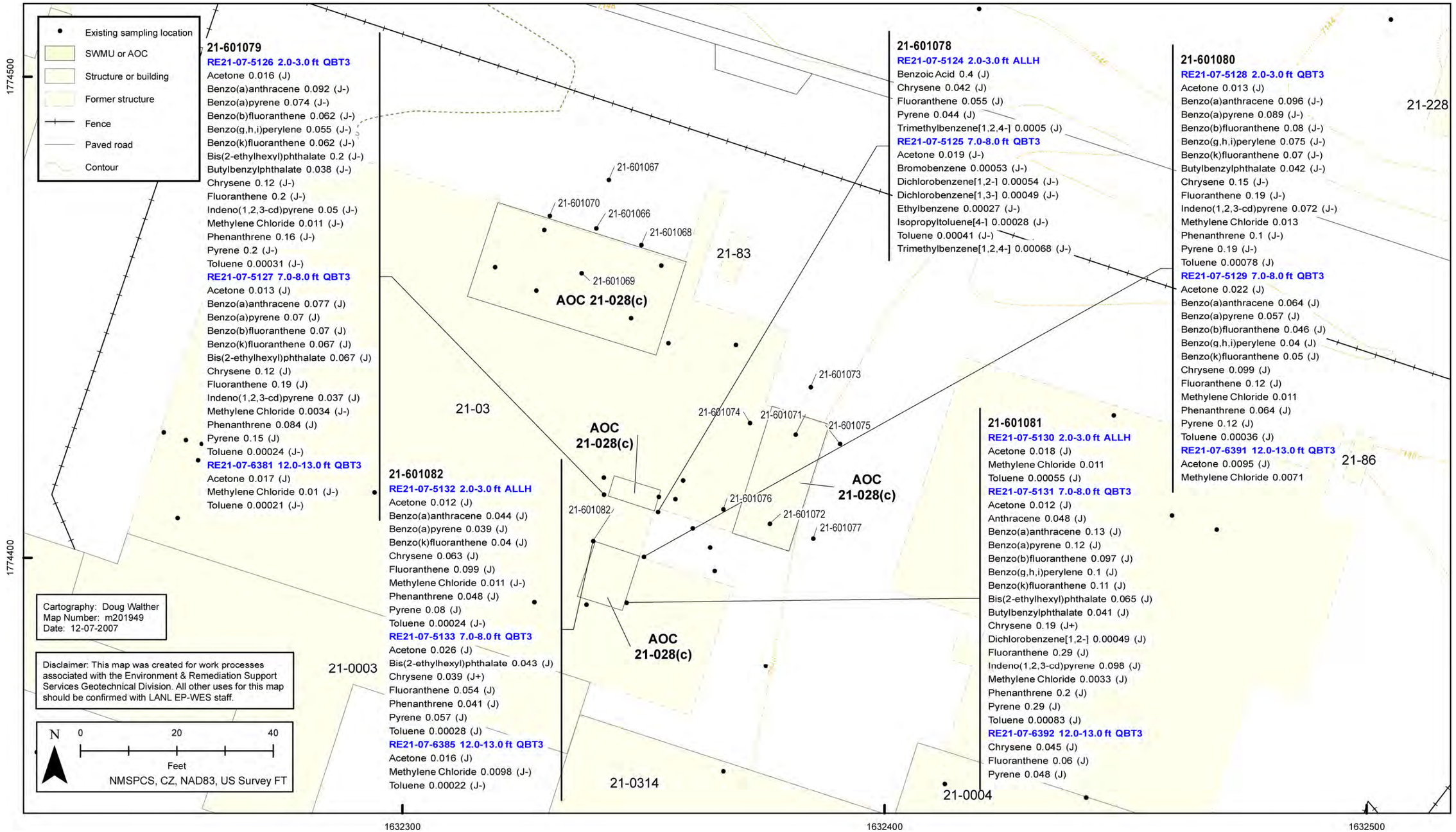
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.2-2 Organic chemicals detected at AOC 21-028(c) (1 of 3)



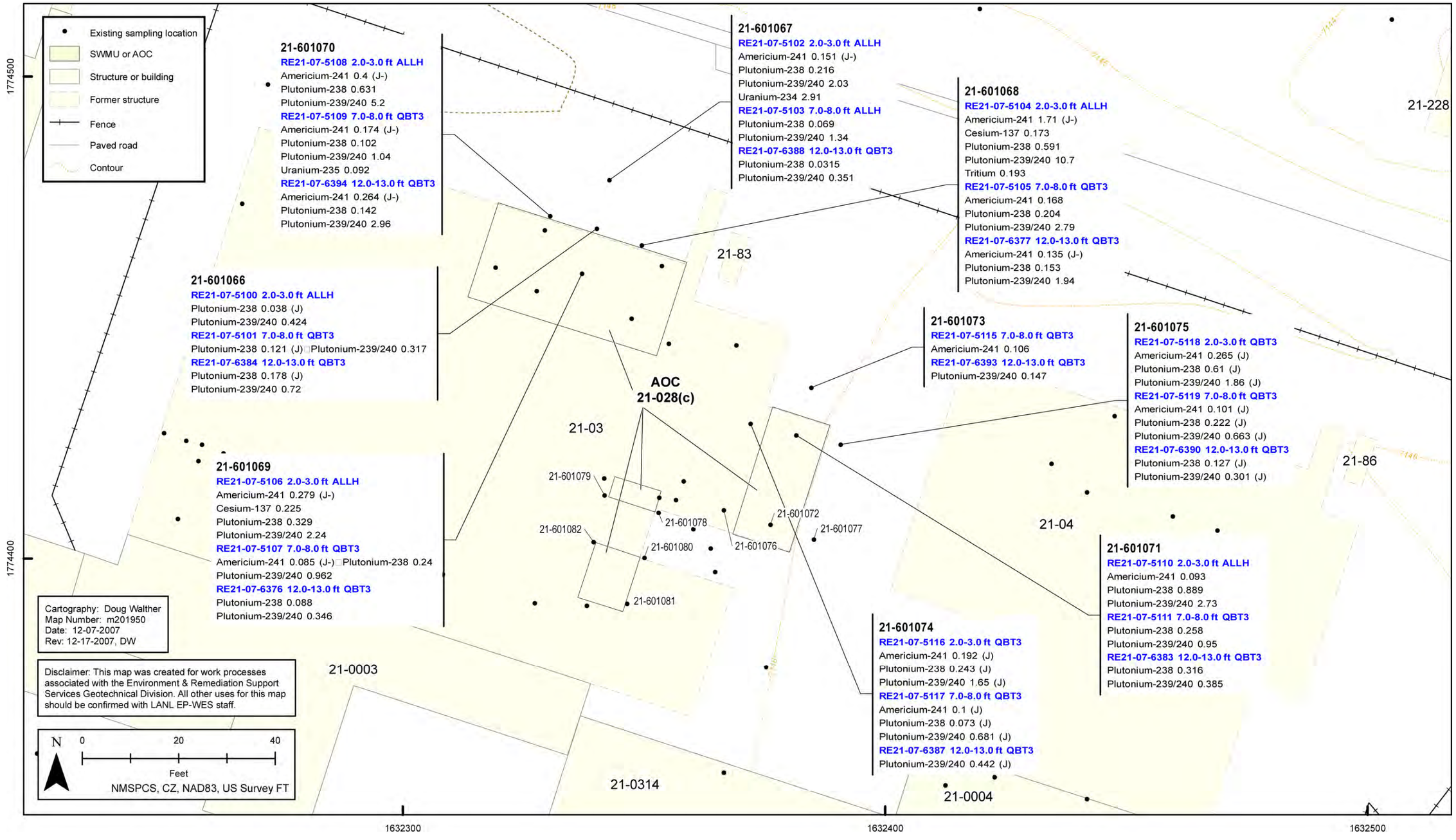
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.2-2 Organic chemicals detected at AOC 21-028(c) (2 of 3)



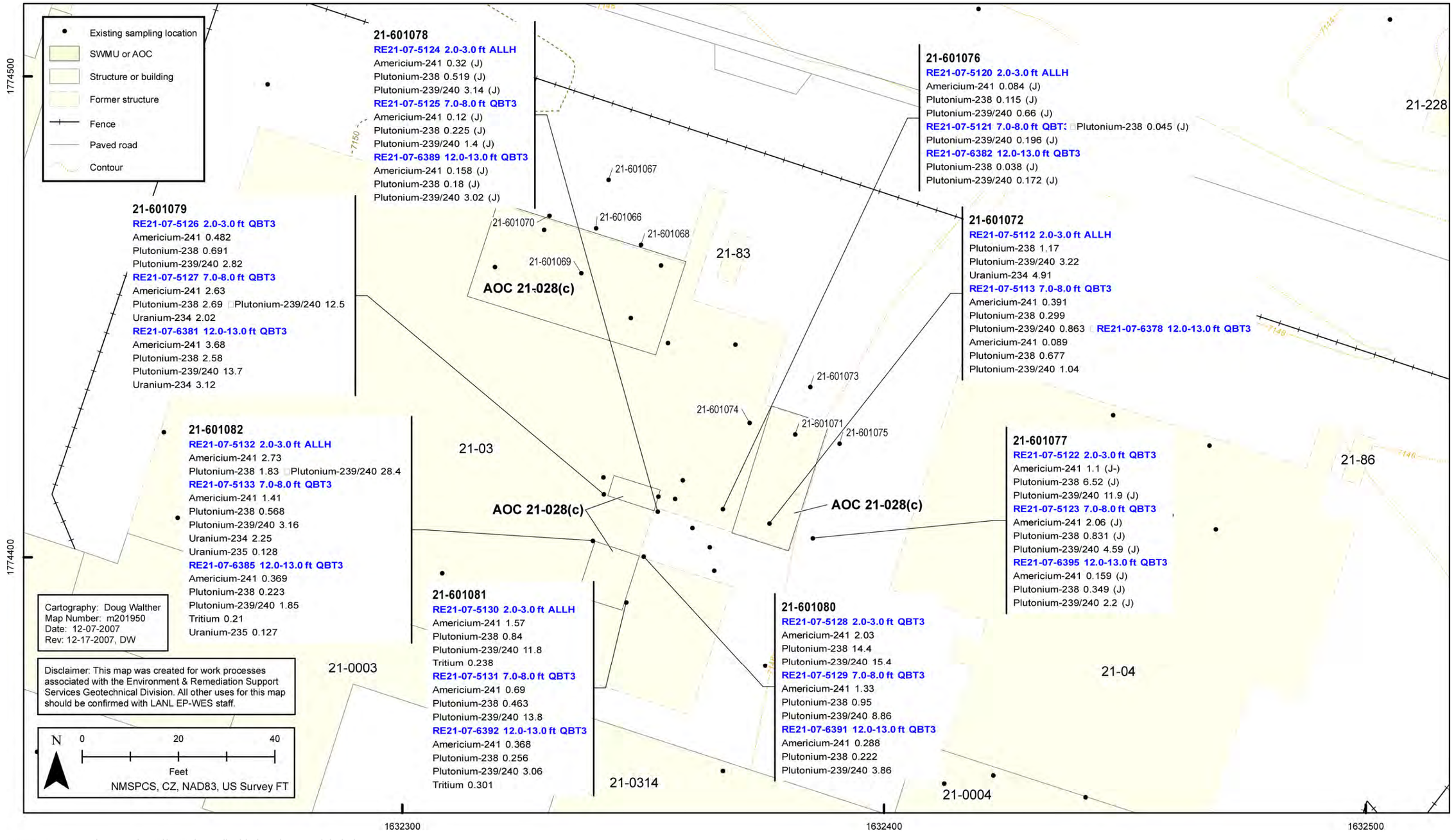
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-3.2-2 Organic chemicals detected at AOC 21-028(c) (3 of 3)



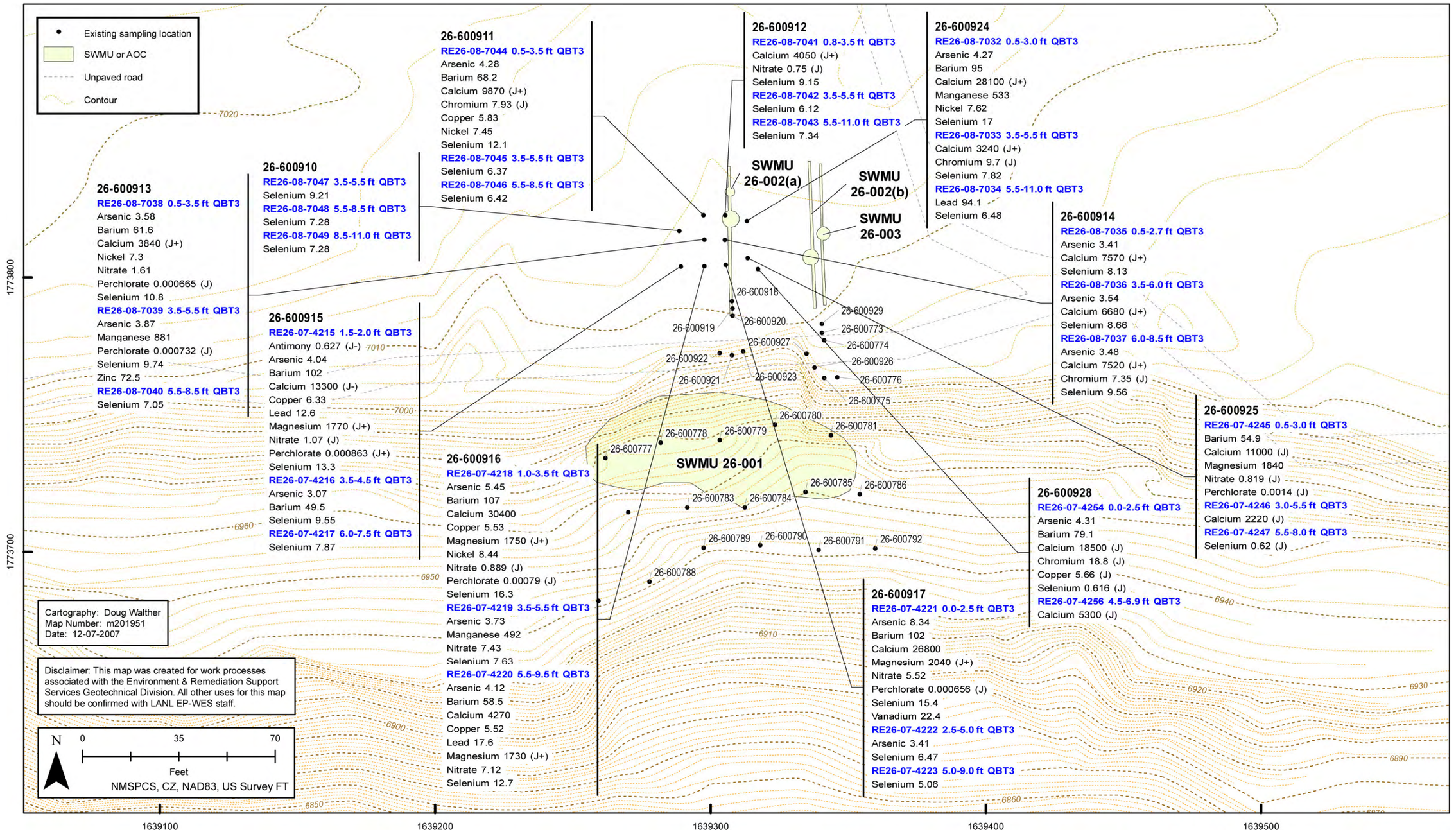
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-3.2-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 21-028(c) (1 of 2)



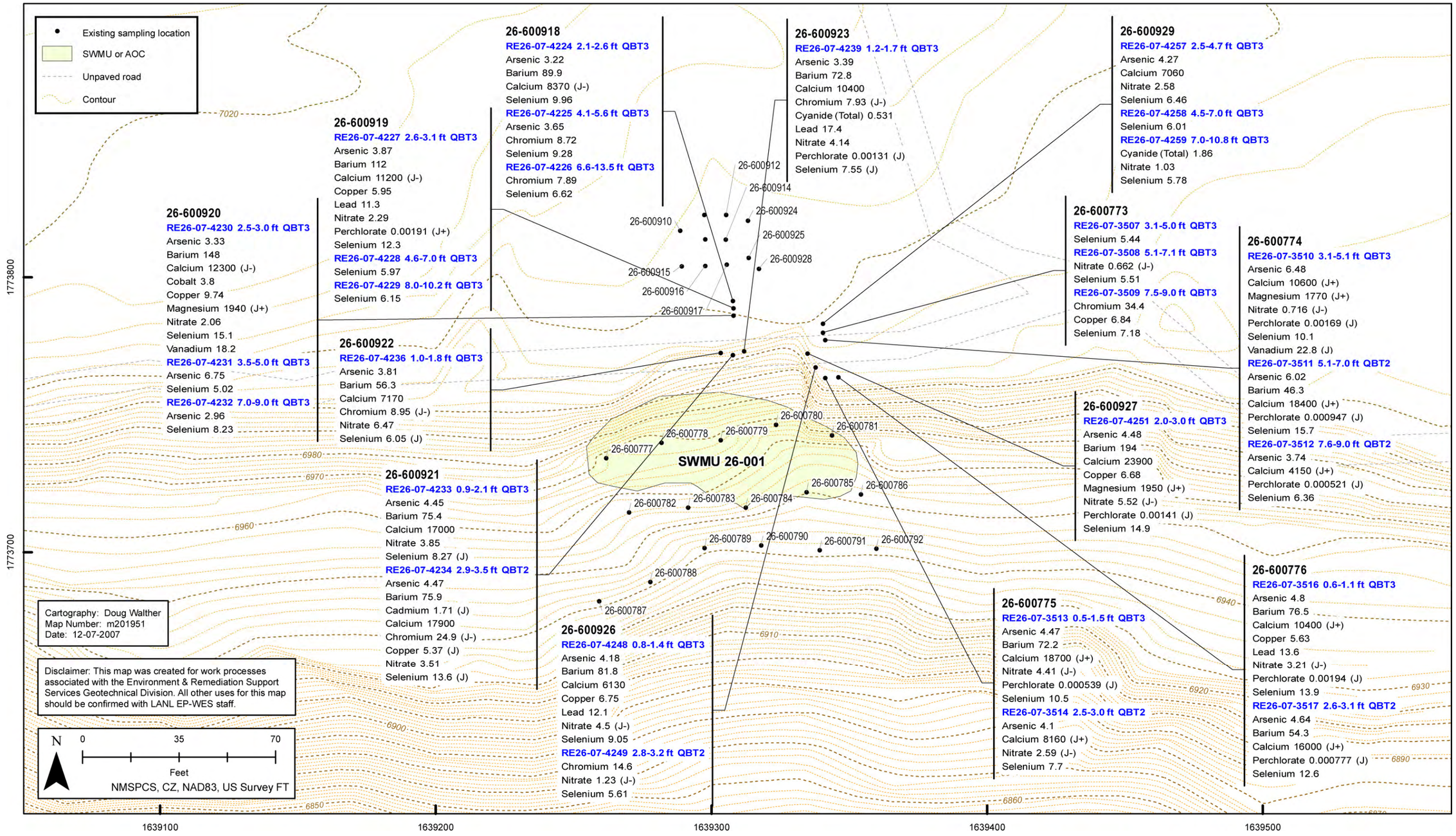
NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-3.2-3 Radionuclide COPCs detected or detected above BVs/FVs at AOC 21-028(c) (2 of 2)



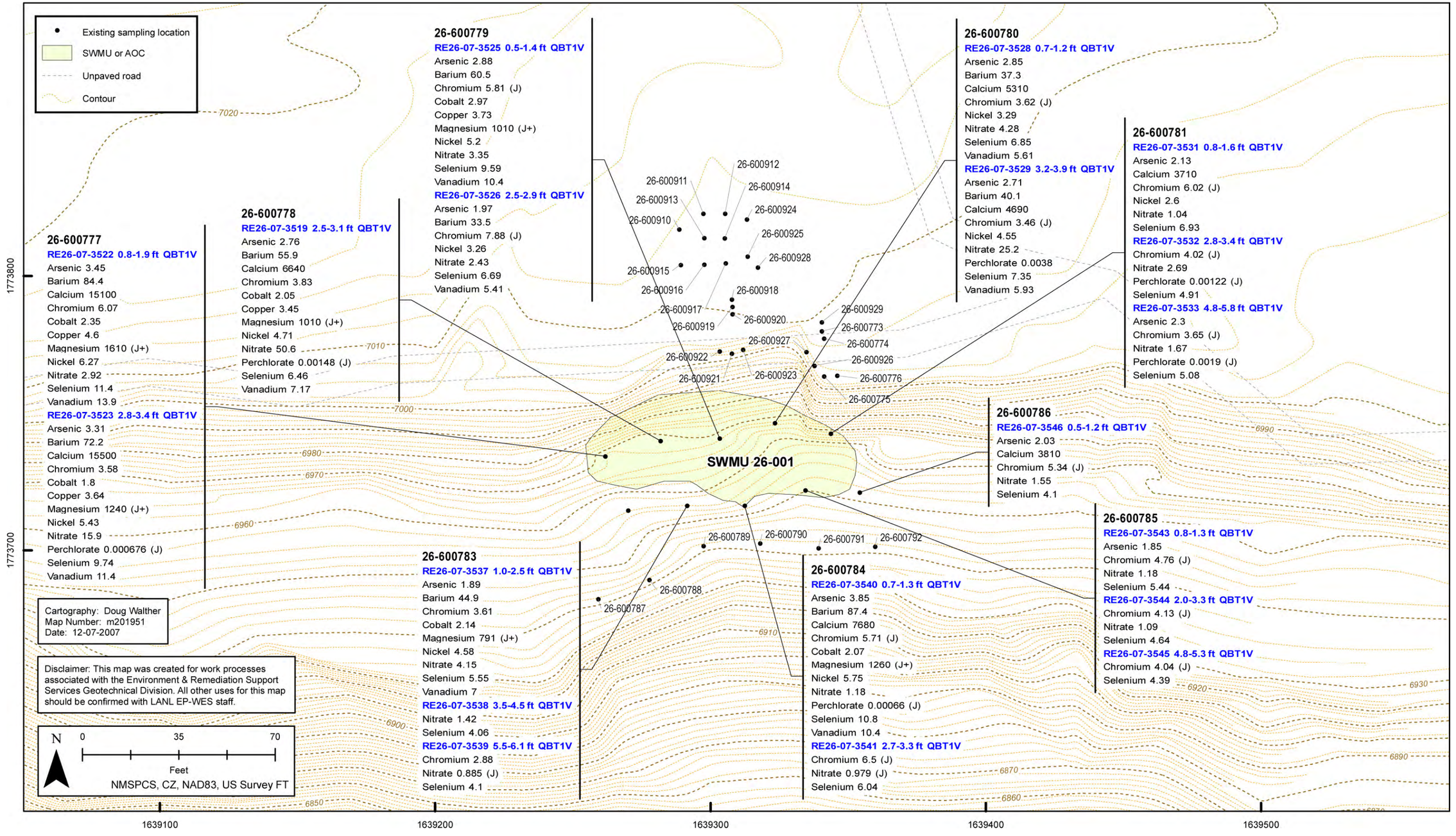
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-1 Inorganic COPCs detected or detected above BVs at SWMU 26-001 (1 of 4)



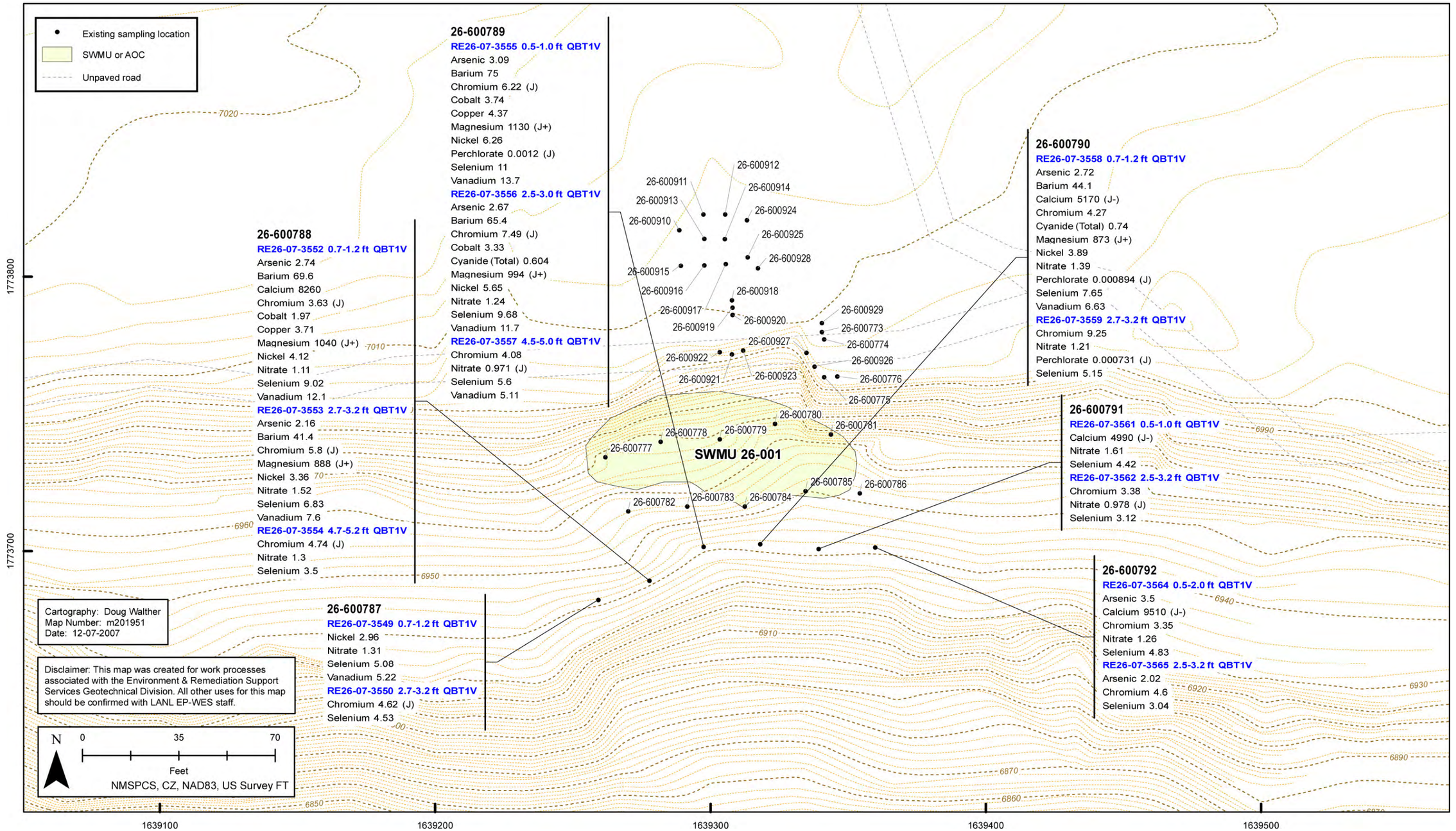
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-1 Inorganic COPCs detected or detected above BVs at SWMU 26-001 (2 of 4)



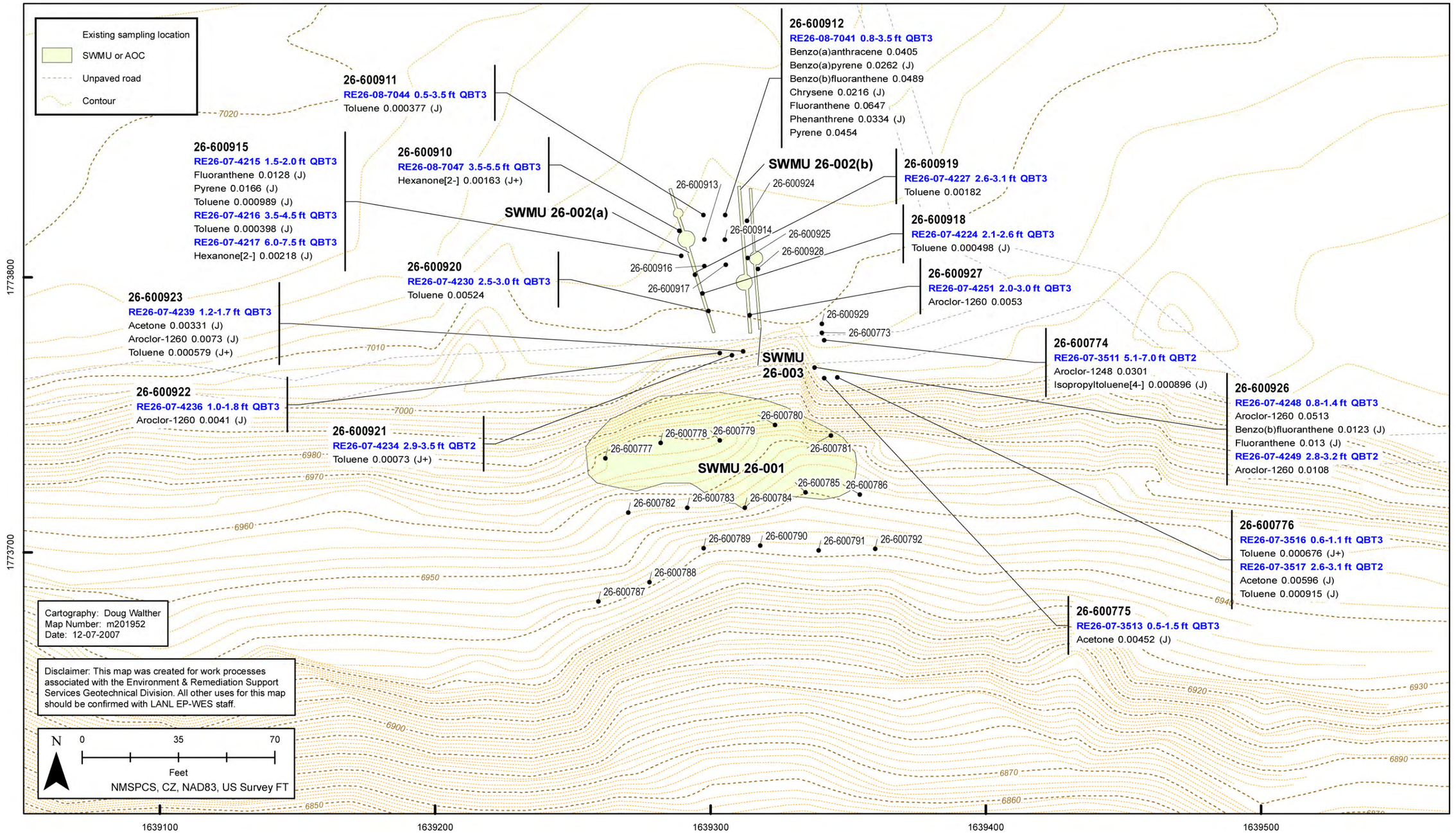
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-1 Inorganic COPCs detected or detected above BVs at SWMU 26-001 (3 of 4)



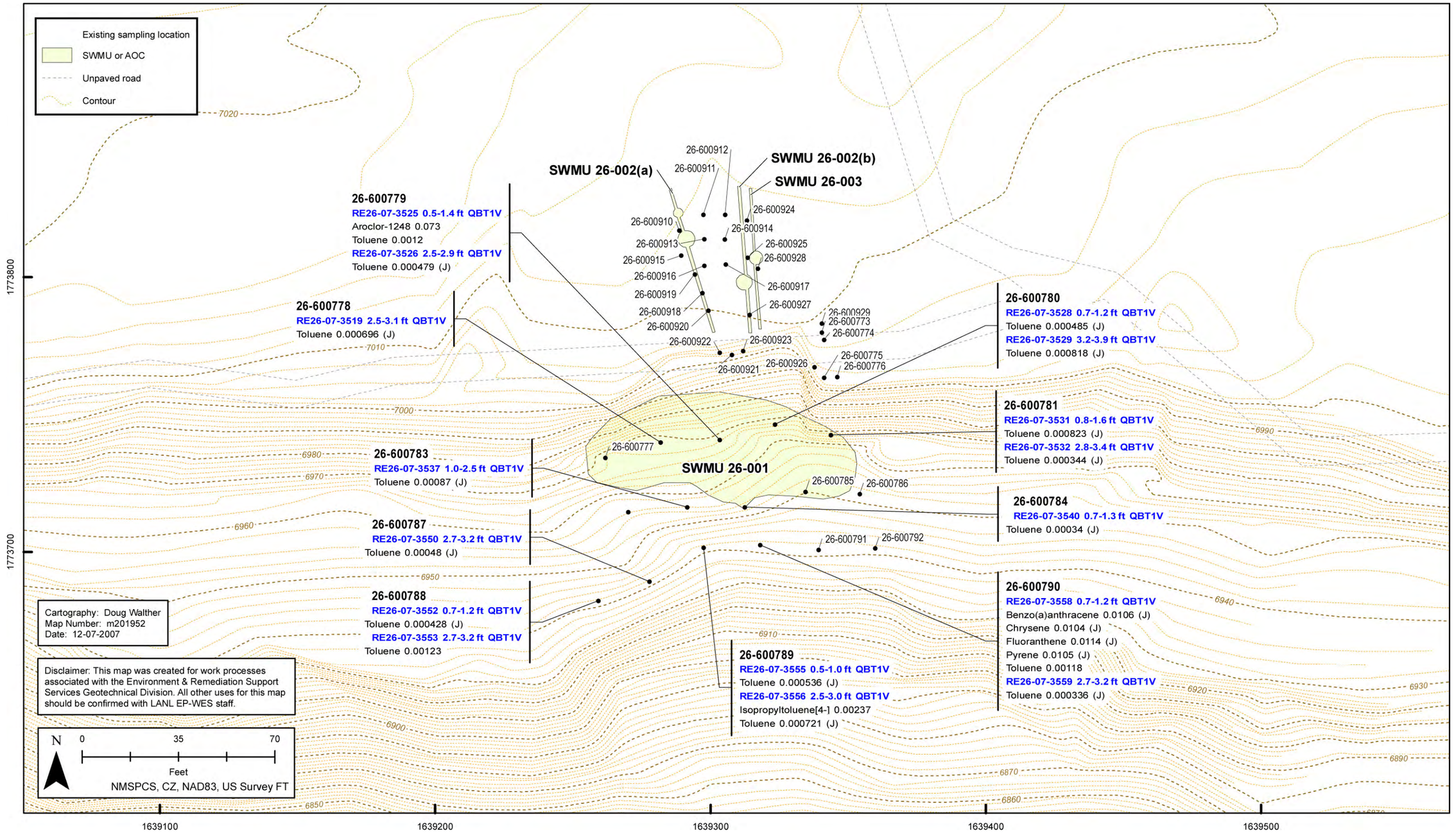
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-1 Inorganic COPCs detected or detected above BVs at SWMU 26-001 (4 of 4)



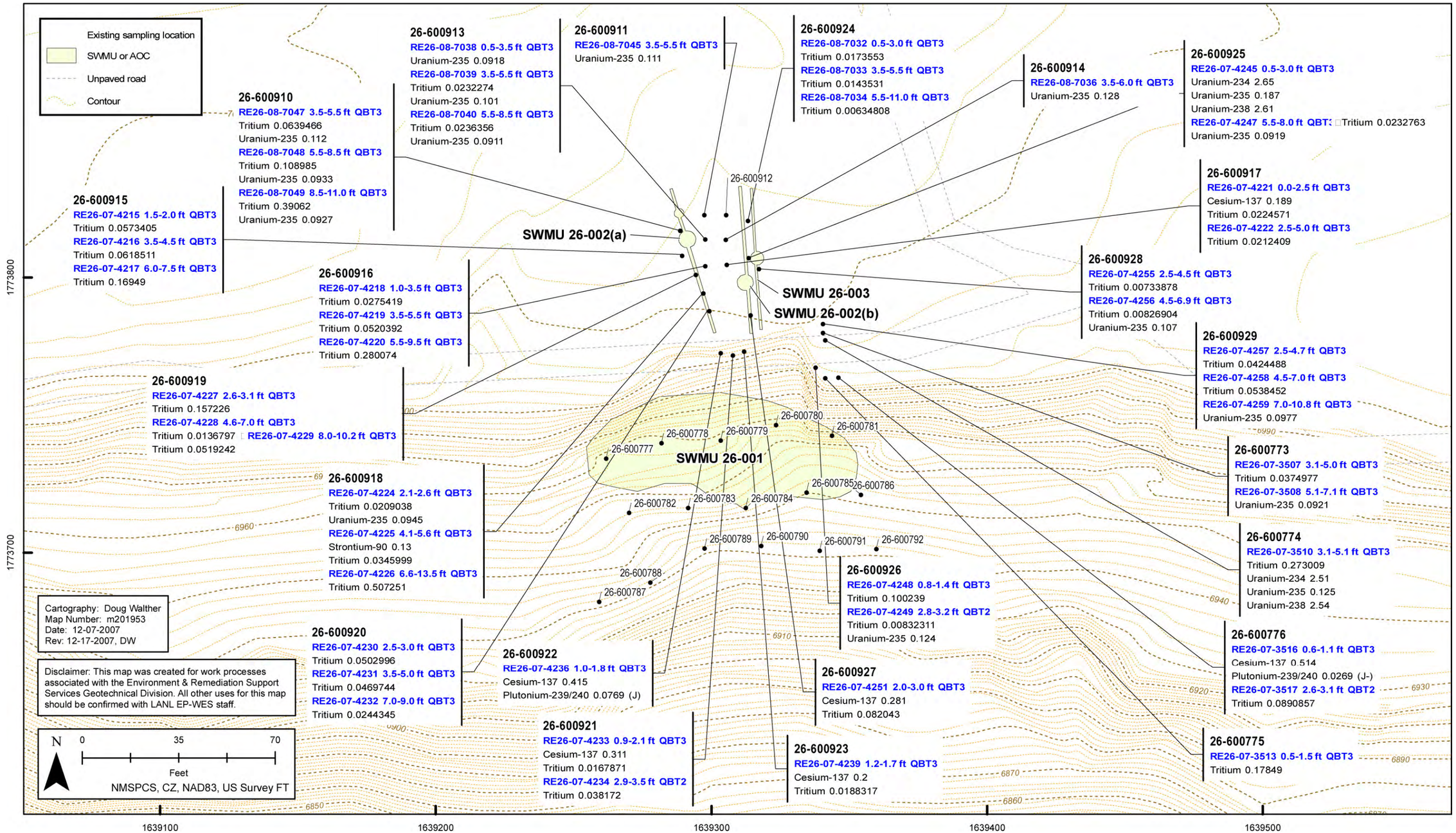
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-2 Organic chemicals detected at SWMU 26-001 (1 of 2)



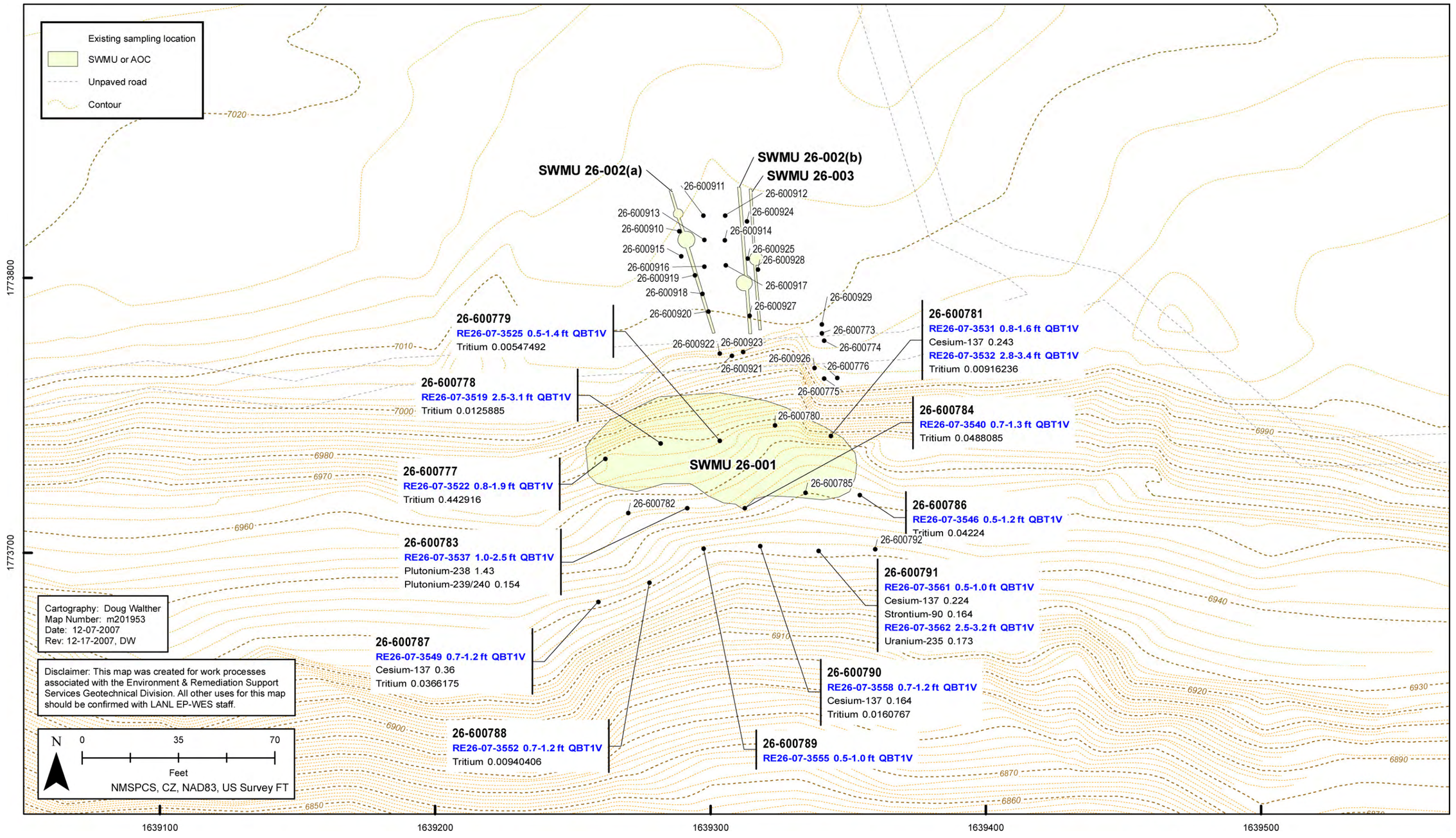
NOTE: Concentrations are in mg/kg. Only applicable locations are labeled.

Figure F-4.1-2 Organic chemicals detected at SWMU 26-001 (2 of 2)



NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-4.1-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 26-001 (1 of 2)



NOTE: Concentrations are in pCi/g. Only applicable locations are labeled.

Figure F-4.1-3 Radionuclide COPCs detected or detected above BVs/FVs at SWMU 26-001 (2 of 2)

Table F-1.2-1
Crosswalk of Sample Locations to Figure Numbers

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-003(a)	02-01042	—	—	F-2.1-3
02-003(a)	02-01241	F-2.1-1	—	F-2.1-3
02-003(a)	02-01242	F-2.1-1	—	F-2.1-3
02-003(a)	02-600118	F-2.1-1	F-2.1-2	—
02-003(a)	02-600119	F-2.1-1	F-2.1-2	F-2.1-3
02-003(a)	02-600120	F-2.1-1	F-2.1-2	F-2.1-3
02-003(a)	02-600121	F-2.1-1	F-2.1-2	F-2.1-3
02-003(a)	02-600122	F-2.1-1	F-2.1-2	F-2.1-3
02-003(a)	02-600123	F-2.1-1	F-2.1-2	F-2.1-3
02-003(a)	02-600124	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-01104	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-600125	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-600126	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-600127	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-600128	F-2.1-1	F-2.1-2	F-2.1-3
02-003(b)	02-600129	F-2.1-1	F-2.1-2	F-2.1-3
02-003(c)	02-01043	—	—	F-2.3-3
02-003(c)	02-01144	—	—	F-2.3-3
02-003(c)	02-01145	—	—	F-2.3-3
02-003(c)	02-01237	F-2.3-1	—	F-2.3-3
02-003(c)	02-01238	—	—	F-2.3-3
02-003(c)	02-600196	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600197	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600198	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600199	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600200	F-2.3-1	—	F-2.3-3
02-003(c)	02-600201	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600202	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600203	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600204	F-2.3-1	F-2.3-2	F-2.3-3
02-003(c)	02-600205	F-2.3-1	F-2.3-2	F-2.3-3
02-003(d)	02-01254	F-2.4-1	—	F-2.4-3
02-003(d)	02-01255	F-2.4-1	—	F-2.4-3
02-003(d)	02-01256	F-2.4-1	—	F-2.4-3
02-003(d)	02-600216	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600217	F-2.4-1	—	F-2.4-3

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-003(d)	02-600218	F-2.4-1	—	F-2.4-3
02-003(d)	02-600219	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600220	F-2.4-1	F-2.4-2	—
02-003(d)	02-600221	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600222	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600223	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600224	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600225	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600226	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600227	F-2.4-1	—	—
02-003(d)	02-600228	F-2.4-1	—	F-2.4-3
02-003(d)	02-600229	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600230	F-2.4-1	F-2.4-2	F-2.4-3
02-003(d)	02-600231	F-2.4-1	—	F-2.4-3
02-003(e)	02-01240	F-2.3-1	—	F-2.4-3
02-003(e)	02-600206	F-2.3-1	F-2.4-2	F-2.4-3
02-003(e)	02-600207	F-2.3-1	F-2.4-2	F-2.4-3
02-003(e)	02-600208	F-2.3-1	F-2.4-2	F-2.4-3
02-003(e)	02-600209	F-2.3-1	F-2.4-2	F-2.4-3
02-004(a)	02-22359	F-2.6-1 (2 of 3)	—	F-2.6-3
02-004(a)	02-22369	F-2.6-1 (2 of 3)	—	F-2.6-3
02-004(a)	02-22370	F-2.6-1 (2 of 3)	—	F-2.6-3
02-004(a)	02-22371	F-2.6-1 (2 of 3)	—	F-2.6-3
02-004(a)	02-600378	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600379	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600380	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600381	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600382	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600383	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600384	F-2.6-1 (3 of 3)	F-2.6-2 (5 of 5)	F-2.6-3
02-004(a)	02-600409	F-2.6-1 (2 of 3)	F-2.6-2 (2 of 5)	F-2.6-3
02-004(a)	02-600410	F-2.6-1 (2 of 3)	F-2.6-2 (2 of 5)	F-2.6-3
02-004(a)	02-600411	F-2.6-1 (2 of 3)	F-2.6-2 (2 of 5)	F-2.6-3
02-004(a)	02-600412	F-2.6-1 (2 of 3)	F-2.6-2 (2 of 5)	F-2.6-3
02-004(a)	02-600413	F-2.6-1 (2 of 3)	F-2.6-2 (3 of 5)	F-2.6-3
02-004(a)	02-600414	F-2.6-1 (2 of 3)	F-2.6-2 (3 of 5)	F-2.6-3
02-004(a)	02-600415	F-2.6-1 (2 of 3)	F-2.6-2 (3 of 5)	F-2.6-3
02-004(a)	02-600416	F-2.6-1 (2 of 3)	F-2.6-2 (4 of 5)	F-2.6-3

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-004(a)	02-600417	F-2.6-1 (1 of 3)	F-2.6-2 (4 of 5)	F-2.6-3
02-004(a)	02-600456	F-2.6-1 (1 of 3)	F-2.6-2 (3 of 5)	F-2.6-3
02-004(a)	02-600457	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600458	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	—
02-004(a)	02-600459	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600460	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600461	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600462	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600463	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	—
02-004(a)	02-600464	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	—
02-004(a)	02-600465	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	—
02-004(a)	02-600466	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	—
02-004(a)	02-600467	F-2.6-1 (1 of 3)	F-2.6-2 (1of 5)	F-2.6-3
02-004(a)	02-600468	F-2.6-1 (1 of 3)	—	—
02-004(a)	02-600580	F-2.6-1 (2 of 3)	F-2.6-2 (3 of 5)	—
02-004(a)	02-600581	F-2.6-1 (2 of 3)	F-2.6-2 (4 of 5)	F-2.6-3
02-004(a)	02-600582	F-2.6-1 (1 of 3)	F-2.6-2 (4 of 5)	F-2.6-3
02-004(a)	02-600583	F-2.6-1 (1 of 3)	F-2.6-2 (4 of 5)	F-2.6-3
02-004(a)	02-600584	F-2.6-1 (3 of 3)	—	F-2.6-3
02-004(b,c,d)	02-600508	F-2.7-1	F-2.7-2 (3 of 3)	F-2.7-3
02-004(b,c,d)	02-600509	F-2.7-1	F-2.7-2 (3 of 3)	F-2.7-3
02-004(b,c,d)	02-600510	F-2.7-1	F-2.7-2 (2 of 3)	F-2.7-3
02-004(b,c,d)	02-600511	F-2.7-1	F-2.7-2 (2 of 3)	F-2.7-3
02-004(b,c,d)	02-600526	F-2.7-1	F-2.7-2 (1 of 3)	F-2.7-3
02-004(b,c,d)	02-600527	F-2.7-1	F-2.7-2 (1 of 3)	F-2.7-3
02-004(b,c,d)	02-600528	F-2.7-1	F-2.7-2 (1 of 3)	F-2.7-3
02-004(b,c,d)	02-600545	F-2.7-1	F-2.7-2 (2 of 3)	F-2.7-3
02-004(b,c,d)	02-600546	F-2.7-1	F-2.7-2 (1 of 3)	F-2.7-3
02-004(e)	02-600537	F-2.8-1 (2 of 3)	F-2.8-2	F-2.7-3
02-004(e)	02-600538	F-2.8-1 (2 of 3)	F-2.8-2	F-2.7-3
02-004(e)	02-600539	F-2.8-1 (2 of 3)	F-2.8-2	F-2.7-3
02-004(f)	02-22376	F-2.8-1 (2 of 3)	—	F-2.9-2
02-004(f)	02-22377	F-2.8-1 (1 of 3)	—	F-2.9-2
02-004(f)	02-22378	F-2.8-1 (1 of 3)	—	F-2.9-2
02-004(f)	02-22379	F-2.8-1 (2 of 3)	—	F-2.9-2
02-004(f)	02-600469	F-2.8-1 (2 of 3)	F-2.9-1 (2 of 5)	F-2.9-2
02-004(f)	02-600470	F-2.8-1 (1 of 3)	F-2.9-1 (2 of 5)	F-2.9-2
02-004(f)	02-600471	F-2.8-1 (1 of 3)	F-2.9-1 (1 of 5)	F-2.9-2

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-004(f)	02-600472	F-2.8-1 (1 of 3)	F-2.9-1 (3 of 5)	F-2.9-2
02-004(f)	02-600473	F-2.8-1 (1 of 3)	F-2.9-1 (3 of 5)	F-2.9-2
02-004(f)	02-600474	F-2.8-1 (1 of 3)	F-2.9-1 (3 of 5)	F-2.9-2
02-004(f)	02-600475	F-2.8-1 (1 of 3)	F-2.9-1 (4 of 5)	F-2.9-2
02-004(f)	02-600476	F-2.8-1 (1 of 3)	F-2.9-1 (3 of 5)	F-2.9-2
02-004(f)	02-600477	F-2.8-1 (2 of 3)	F-2.9-1 (2 of 5)	F-2.9-2
02-004(f)	02-600478	F-2.8-1 (2 of 3)	F-2.9-1 (2 of 5)	F-2.9-2
02-004(f)	02-600479	F-2.8-1 (2 of 3)	F-2.9-1 (4 of 5)	F-2.9-2
02-004(f)	02-600480	F-2.8-1 (2 of 3)	F-2.9-1 (4 of 5)	F-2.9-2
02-004(f)	02-600564	F-2.8-1 (1 of 3)	F-2.9-1 (1 of 5)	F-2.9-2
02-004(f)	02-600565	F-2.8-1 (1 of 3)	F-2.9-1 (1 of 5)	F-2.9-2
02-004(f)	02-600566	F-2.8-1 (1 of 3)	F-2.9-1 (1 of 5)	F-2.9-2
02-004(f)	02-600567	F-2.8-1 (2 of 3)	F-2.9-1 (4 of 5)	F-2.9-2
02-004(f)	02-600568	F-2.8-1 (3 of 3)	F-2.9-1 (5 of 5)	F-2.9-2
02-004(f)	02-600569	F-2.8-1 (3 of 3)	F-2.9-1 (5 of 5)	F-2.9-2
02-004(f)	02-600570	F-2.8-1 (3 of 3)	F-2.9-1 (5 of 5)	F-2.9-2
02-004(f)	02-600571	F-2.8-1 (3 of 3)	F-2.9-1 (5 of 5)	F-2.9-2
02-004(f)	02-600572	F-2.8-1 (3 of 3)	F-2.9-1 (5 of 5)	F-2.9-2
02-004(g)	02-22383	F-2.10-1	—	F-2.10-3
02-004(g)	02-22384	F-2.10-1	—	F-2.10-3
02-004(g)	02-22385	F-2.10-1	—	F-2.10-3
02-004(g)	02-22386	F-2.10-1	—	F-2.10-3
02-004(g)	02-600489	F-2.10-1	F-2.10-2 (1 of 2)	F-2.10-3
02-004(g)	02-600490	F-2.10-1	F-2.10-2 (2 of 2)	F-2.10-3
02-004(g)	02-600491	F-2.10-1	F-2.10-2 (2 of 2)	F-2.10-3
02-004(g)	02-600492	F-2.10-1	F-2.10-2 (2 of 2)	F-2.10-3
02-004(g)	02-600493	F-2.10-1	F-2.10-2 (1 of 2)	F-2.10-3
02-004(g)	02-600494	F-2.10-1	F-2.10-2 (1 of 2)	—
02-004(g)	02-600495	F-2.10-1	F-2.10-2 (1 of 2)	F-2.10-3
02-004(g)	02-600496	F-2.10-1	F-2.10-2 (1 of 2)	F-2.10-3
02-004(g)	02-600497	F-2.10-1	F-2.10-2 (2 of 2)	—
02-005	02-600547	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600548	F-2.11-1	F-2.11-2	—
02-005	02-600549	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600550	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600551	F-2.11-1	—	—
02-005	02-600552	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600553	F-2.11-1	F-2.11-2	F-2.11-3

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-005	02-600554	F-2.11-1	—	F-2.11-3
02-005	02-600555	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600556	F-2.11-1	F-2.11-2	—
02-005	02-600557	F-2.11-1	F-2.11-2	—
02-005	02-600558	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600559	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600560	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600561	F-2.11-1	F-2.11-2	F-2.11-3
02-005	02-600562	F-2.11-1	F-2.11-2	—
02-006(a)	02-22052	—	—	F-2.12-3 (1 of 2)
02-006(a)	02-22053	F-2.12-1 (1 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-22054	F-2.12-1 (1 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-22055	F-2.12-1 (1 of 2)	—	F-2.12-3 (1 of 2)
02-006(a)	02-22056	F-2.12-1 (2 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-22057	F-2.12-1 (1 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-22058	F-2.12-1 (2 of 2)	—	F-2.12-3 (1 of 2)
02-006(a)	02-22059	F-2.12-1 (2 of 2)	—	F-2.12-3 (1 of 2)
02-006(a)	02-600247	F-2.12-1 (1 of 2)	—	F-2.12-3 (1 of 2)
02-006(a)	02-600248	F-2.12-1 (2 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-600249	F-2.12-1 (1 of 2)	F-2.12-2	F-2.12-3 (2 of 2)
02-006(a)	02-600250	F-2.12-1 (2 of 2)	F-2.12-2	F-2.12-3 (1 of 2)
02-006(a)	02-600251	F-2.12-1 (1 of 2)	F-2.12-2	F-2.12-3 (1 of 2)
02-006(a)	02-600252	F-2.12-1 (2 of 2)	F-2.12-2	F-2.12-3 (2 of 2)
02-006(a)	02-600253	F-2.12-1 (1 of 2)	—	F-2.12-3 (2 of 2)
02-006(a)	02-600254	F-2.12-1 (2 of 2)	F-2.12-2	F-2.12-3 (1 of 2)
02-006(a)	02-600255	F-2.12-1 (1 of 2)	F-2.12-2	F-2.12-3 (1 of 2)
02-006(a)	02-600256	F-2.12-1 (2 of 2)	F-2.12-2	F-2.12-3 (2 of 2)
02-006(a)	02-600257	F-2.12-1 (1 of 2)	F-2.12-2	F-2.12-3 (2 of 2)
02-006(a)	02-600258	F-2.12-1 (2 of 2)	F-2.12-2	F-2.12-3 (1 of 2)
02-006(b)	02-01094	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-01251	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-22345	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-600351	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-600352	F-2.13-1 (2 of 2)	F-2.13-2 (3 of 4)	F-2.13-3
02-006(b)	02-600353	F-2.13-1 (1 of 2)	F-2.13-2 (3 of 4)	F-2.13-3
02-006(b)	02-600354	F-2.13-1 (1 of 2)	F-2.13-2 (2 of 4)	F-2.13-3
02-006(b)	02-600355	F-2.13-1 (1 of 2)	F-2.13-2 (2 of 4)	F-2.13-3
02-006(b)	02-600356	F-2.13-1 (1 of 2)	F-2.13-2 (1 of 4)	F-2.13-3

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-006(b)	02-600357	F-2.13-1 (1 of 2)	F-2.13-2 (1 of 4)	F-2.13-3
02-006(b)	02-600358	F-2.13-1 (1 of 2)	F-2.13-2 (1 of 4)	F-2.13-3
02-006(b)	02-600359	F-2.13-1 (1 of 2)	F-2.13-2 (3 of 4)	F-2.13-3
02-006(b)	02-600360	F-2.13-1 (1 of 2)	F-2.13-2 (2 of 4)	F-2.13-3
02-006(b)	02-600361	F-2.13-1 (1 of 2)	F-2.13-2 (2 of 4)	F-2.13-3
02-006(b)	02-600362	F-2.13-1 (2 of 2)	F-2.13-2 (3 of 4)	F-2.13-3
02-006(b)	02-600363	F-2.13-1 (2 of 2)	F-2.13-2 (3 of 4)	F-2.13-3
02-006(b)	02-600364	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-600365	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(b)	02-600366	F-2.13-1 (1 of 2)	F-2.13-2 (1 of 4)	F-2.13-3
02-006(b)	02-600367	F-2.13-1 (2 of 2)	F-2.13-2 (4 of 4)	F-2.13-3
02-006(c)	02-600585	F-2.14-1	F-2.14-2	F-2.14-3
02-006(c)	02-600586	F-2.14-1	F-2.14-2	F-2.14-3
02-006(c)	02-600587	F-2.14-1	F-2.14-2	—
02-006(c)	02-600588	F-2.14-1	F-2.14-2	F-2.14-3
02-006(c)	02-600589	F-2.14-1	F-2.14-2	F-2.14-3
02-006(c)	02-600590	F-2.14-1	F-2.14-2	F-2.14-3
02-006(c)	02-600591	F-2.14-1	F-2.14-2	—
02-006(e)	02-01095	F-2.16-1 (1 of 2)	F-2.16-2 (2 of 2)	F-2.16-3
02-006(e)	02-01250	F-2.16-1 (1 of 2)	F-2.16-2 (2 of 2)	F-2.16-3
02-006(e)	02-22356	F-2.16-1 (1 of 2)	—	F-2.16-3
02-006(e)	02-22357	F-2.16-1 (1 of 2)	—	F-2.16-3
02-006(e)	02-22358	F-2.16-1 (2 of 2)	—	F-2.16-3
02-006(e)	02-600282	F-2.16-1 (1 of 2)	F-2.16-2 (2 of 2)	—
02-006(e)	02-600283	F-2.16-1 (2 of 2)	F-2.16-2 (2 of 2)	F-2.16-3
02-006(e)	02-600284	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600285	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600286	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600287	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600288	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600289	F-2.16-1 (2 of 2)	F-2.16-2 (1 of 2)	F-2.16-3
02-006(e)	02-600290	F-2.16-1 (1 of 2))	F-2.16-2 (2 of 2)	F-2.16-3
02-006(e)	02-600291	F-2.16-1 (1 of 2)	F-2.16-2 (2 of 2)	F-2.16-3
02-006(e)	02-600292	F-2.16-1 (1 of 2)	F-2.16-2 (2 of 2)	F-2.16-3
02-007-00	02-01140	—	—	F-2.17-3 (2 of 6)
02-007-00	02-01141	—	—	F-2.17-3 (2 of 6)
02-007-00	02-01142	—	—	F-2.17-3 (2 of 6)
02-007-00	02-01143	—	—	F-2.17-3 (2 of 6)

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-007-00	02-01146	—	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-01147	—	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)
02-007-00	02-01148	—	—	F-2.17-3 (4 of 6)
02-007-00	02-01225	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-01226	F-2.17-1 (3 of 5)	—	F-2.17-3 (5 of 6)
02-007-00	02-01227	—	—	F-2.17-3 (5 of 6)
02-007-00	02-01228	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-01229	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)
02-007-00	02-01230	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)
02-007-00	02-01231	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-01232	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-01233	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-01234	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-01243	F-2.17-1 (1 of 5)	—	F-2.17-3 (1 of 6)
02-007-00	02-01244	—	—	F-2.17-3 (1 of 6)
02-007-00	02-01259	F-2.17-1 (4 of 5)	—	F-2.17-3 (6 of 6)
02-007-00	02-01260	F-2.17-1 (4 of 5)	—	F-2.17-3 (6 of 6)
02-007-00	02-01263	F-2.17-1 (5 of 5)	—	F-2.17-3 (6 of 6)
02-007-00	02-01264	F-2.17-1 (5 of 5)	—	F-2.17-3 (6 of 6)
02-007-00	02-600259	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600260	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600261	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600262	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600263	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	—
02-007-00	02-600264	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600265	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	—
02-007-00	02-600266	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600267	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600268	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600269	—	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600270	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600271	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600272	F-2.17-1 (4 of 5)	—	F-2.17-3 (6 of 6)
02-007-00	02-600273	F-2.17-1 (4 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600274	—	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600275	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600276	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600277	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-007-00	02-600278	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600279	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600280	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600281	F-2.17-1 (5 of 5)	F-2.17-2 (1 of 6)	F-2.17-3 (6 of 6)
02-007-00	02-600592	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600593	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600594	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600595	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600596	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600597	F-2.17-1 (1 of 5)	F-2.17-2 (4 of 6)	—
02-007-00	02-600598	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600599	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600600	F-2.17-1 (4 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600601	F-2.17-1 (4 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600602	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600603	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600604	F-2.17-1 (2 of 5)	—	F-2.17-3 (3 of 6)
02-007-00	02-600605	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600606	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600607	F-2.17-1 (1 of 5)	F-2.17-2 (5 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600608	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600609	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600610	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600611	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600612	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600613	F-2.17-1 (1 of 5)	F-2.17-2 (6 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600643	F-2.17-1 (1 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600644	F-2.17-1 (1 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (1 of 6)
02-007-00	02-600645	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-600646	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-600647	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600648	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)
02-007-00	02-600649	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-600650	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-600651	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-600652	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-600698	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600699	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-007-00	02-600700	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-600701	F-2.17-1 (2 of 5)	F-2.17-2 (4 of 6)	F-2.17-3 (2 of 6)
02-007-00	02-600702	F-2.17-1 (2 of 5)	F-2.17-2 (3 of 6)	F-2.17-3 (3 of 6)
02-007-00	02-600703	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (4 of 6)
02-007-00	02-600704	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-600705	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-007-00	02-600706	F-2.17-1 (3 of 5)	F-2.17-2 (2 of 6)	F-2.17-3 (5 of 6)
02-008(a)	02-01249	F-2.18-1	—	F-2.18-3
02-008(a)	02-600481	F-2.18-1	F-2.18-2	F-2.18-3
02-008(a)	02-600482	F-2.18-1	F-2.18-2	F-2.18-3
02-008(a)	02-600483	F-2.18-1	F-2.18-2	F-2.18-3
02-008(a)	02-600484	F-2.18-1	F-2.18-2	F-2.18-3
02-008(c)	02-01154	—	—	F-2.19-3
02-008(c)	02-01252	—	—	F-2.19-3
02-008(c)	02-01253	F-2.19-1	F-2.19-2	F-2.19-3
02-008(c)	02-600210	F-2.19-1	F-2.19-2	F-2.19-3
02-008(c)	02-600625	F-2.19-1	F-2.19-2	F-2.19-3
02-008(c)	02-600626	F-2.19-1	F-2.19-2	F-2.19-3
02-008(c)	02-600627	F-2.19-1	F-2.19-2	F-2.19-3
02-009(d)	02-01245	F-2.20-1	—	F-2.20-3
02-009(d)	02-600614	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600615	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600616	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600617	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600618	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600619	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600620	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600621	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600622	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600623	F-2.20-1	F-2.20-2	F-2.20-3
02-009(d)	02-600624	F-2.20-1	F-2.20-2	F-2.20-3
02-010	02-01246	F-2.22-1 (1 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-22350	F-2.22-1 (1 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-22389	F-2.22-1 (1 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-22390	F-2.22-1 (1 of 2)	—	—
02-010	02-22391	F-2.22-1 (1 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600628	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600629	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-010	02-600630	F-2.22-1 (2 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600631	F-2.22-1 (2 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600632	F-2.22-1 (1 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600633	F-2.22-1 (2 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600634	F-2.22-1 (1 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600635	F-2.22-1 (1 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600636	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600637	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600638	F-2.22-1 (1 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600639	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—
02-010	02-600640	F-2.22-1 (2 of 2)	F-2.22-2 (2 of 2)	—
02-010	02-600641	F-2.22-1 (2 of 2)	F-2.22-2 (1 of 2)	—
02-011(a)	02-01149	—	—	F-2.23-3 (1 of 2)
02-011(a)	02-01150	F-2.23-1 (3 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-01152	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-01153	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-01157	—	—	F-2.23-3 (1 of 2)
02-011(a)	02-01158	—	—	F-2.23-3 (1 of 2)
02-011(a)	02-01159	—	—	F-2.23-3 (1 of 2)
02-011(a)	02-01162	—	F-2.23-2 (5 of 6)	—
02-011(a)	02-22346	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22347	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22348	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22349	F-2.23-1 (3 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22351	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-22352	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-22367	F-2.23-1 (3 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22368	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-22372	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-22373	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-22374	F-2.23-1 (2 of 4)	—	F-2.23-3 (1 of 2)
02-011(a)	02-22380	F-2.23-1 (4 of 4)	—	F-2.23-3 (2 of 2)
02-011(a)	02-600385	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600386	F-2.23-1 (1 of 4)	F-2.23-2 (1 of 6)	—
02-011(a)	02-600387	F-2.23-1 (1 of 4)	F-2.23-2 (1 of 6)	—
02-011(a)	02-600406	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600407	F-2.23-1 (1 of 4)	F-2.23-2 (1 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600408	F-2.23-1 (1 of 4)	F-2.23-2 (1 of 6)	—

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-011(a)	02-600431	F-2.23-1 (3 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600432	—	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600433	F-2.23-1 (2 of 4)	F-2.23-2 (4 of 6)	—
02-011(a)	02-600434	F-2.23-1 (2 of 4)	F-2.23-2 (4 of 6)	—
02-011(a)	02-600435	F-2.23-1 (2 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600436	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	—
02-011(a)	02-600437	—	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600438	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600439	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	—
02-011(a)	02-600440	F-2.23-1 (2 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600441	F-2.23-1 (3 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600442	F-2.23-1 (4 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600443	F-2.23-1 (3 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600444	F-2.23-1 (4 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600445	F-2.23-1 (4 of 4)	F-2.23-2 (5 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600446	F-2.23-1 (4 of 4)	F-2.23-2 (6 of 6)	—
02-011(a)	02-600447	F-2.23-1 (4 of 4)	F-2.23-2 (5 of 6)	—
02-011(a)	02-600448	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600449	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600450	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600451	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600532	F-2.23-1 (1 of 4)	F-2.23-2 (3 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600533	F-2.23-1 (1 of 4)	F-2.23-2 (3 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600534	F-2.23-1 (1 of 4)	F-2.23-2 (3 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600542	F-2.23-1 (2 of 4)	F-2.23-2 (3 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600543	F-2.23-1 (2 of 4)	F-2.23-2 (3 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600563	F-2.23-1 (1 of 4)	F-2.23-2 (2 of 6)	F-2.23-3 (1 of 2)
02-011(a)	02-600660	F-2.23-1 (4 of 4)	F-2.23-2 (6 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600661	F-2.23-1 (4 of 4)	F-2.23-2 (6 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600662	F-2.23-1 (4 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600663	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600664	F-2.23-1 (3 of 4)	F-2.23-2 (4 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600665	F-2.23-1 (4 of 4)	F-2.23-2 (6 of 6)	F-2.23-3 (2 of 2)
02-011(a)	02-600666	F-2.23-1 (4 of 4)	F-2.23-2 (6 of 6)	F-2.23-3 (2 of 2)
02-011(b)	02-01107	—	—	F-2.19-3
02-011(b)	02-01110	—	—	F-2.19-3
02-011(b)	02-01239	F-2.19-1	—	F-2.19-3
02-011(b)	02-600211	F-2.19-1	F-2.19-2	F-2.19-3

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
02-011(b)	02-600212	F-2.19-1	F-2.19-2	F-2.19-3
02-011(b)	02-600213	F-2.19-1	F-2.19-2	F-2.19-3
02-011(b)	02-600214	F-2.19-1	F-2.19-2	F-2.19-3
02-011(b)	02-600215	F-2.19-1	F-2.19-2	F-2.19-3
02-011(c)	02-600573	F-2.18-1	F-2.25-1	F-2.18-3
02-011(d)	02-01151	—	—	F-2.18-3
02-011(d)	02-01155	—	—	F-2.18-3
02-011(d)	02-01247	F-2.18-1	—	F-2.18-3
02-011(d)	02-01248	F-2.18-1	—	F-2.18-3
02-011(d)	02-600574	F-2.18-1	F-2.25-1	F-2.18-3
02-012	02-600418	F-2.28-1	F-2.28-2 (1of 2)	F-2.13-3
02-012	02-600419	F-2.28-1	F-2.28-2 (2 of 2)	F-2.13-3
02-012	02-600420	F-2.28-1	F-2.28-2 (1of 2)	F-2.13-3
02-012	02-600452	F-2.28-1	F-2.28-2 (1of 2)	F-2.13-3
02-012	02-600453	F-2.28-1	F-2.28-2 (1of 2)	F-2.13-3
02-012	02-600454	F-2.28-1	F-2.28-2 (1of 2)	F-2.13-3
02-012	02-600455	F-2.28-1	F-2.28-2 (1 of 2)	F-2.13-3
02-012	02-600485	F-2.28-1	F-2.28-2 (2 of 2)	F-2.13-3
02-012	02-600486	F-2.28-1	F-2.28-2 (2 of 2)	—
02-012	02-600487	F-2.28-1	F-2.28-2 (2 of 2)	—
02-012	02-600488	F-2.28-1	F-2.28-2 (2 of 2)	F-2.13-3
21-006(e)-99	21-602919	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602920	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602921	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602922	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602923	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602924	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602925	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602926	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602927	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602928	F-3.1-1	F-3.1-2	F-3.1-3 (1 of 2)
21-006(e)-99	21-602929	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602930	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602931	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602932	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-006(e)-99	21-602933	F-3.1-1	F-3.1-2	F-3.1-3 (2 of 2)
21-028(c)	21-601066	F-3.2-1 (1 of 2)	F-3.2-2 (1 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601067	F-3.2-1 (1 of 2)	F-3.2-2 (1 of 3)	F-3.2-3 (1 of 2)

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
21-028(c)	21-601068	F-3.2-1 (1 of 2)	F-3.2-2 (1 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601069	F-3.2-1 (1 of 2)	F-3.2-2 (1 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601070	F-3.2-1 (1 of 2)	F-3.2-2 (1 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601071	F-3.2-1 (1 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601072	F-3.2-1 (2 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601073	F-3.2-1 (1 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601074	F-3.2-1 (1 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601075	F-3.2-1 (1 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (1 of 2)
21-028(c)	21-601076	F-3.2-1 (2 of 2)	—	F-3.2-3 (2 of 2)
21-028(c)	21-601077	F-3.2-1 (2 of 2)	F-3.2-2 (2 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601078	F-3.2-1 (2 of 2)	F-3.2-2 (3 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601079	F-3.2-1 (2 of 2)	F-3.2-2 (3 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601080	F-3.2-1 (2 of 2)	F-3.2-2 (3 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601081	F-3.2-1 (2 of 2)	F-3.2-2 (3 of 3)	F-3.2-3 (2 of 2)
21-028(c)	21-601082	F-3.2-1 (2 of 2)	F-3.2-2 (3 of 3)	F-3.2-3 (2 of 2)
26-001	26-600773	F-4.1-1 (2 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600774	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600775	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600776	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600777	F-4.1-1 (3 of 4)	—	F-4.1-3 (2 of 2)
26-001	26-600778	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600779	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600780	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	—
26-001	26-600781	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600783	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600784	F-4.1-1 (3 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600785	F-4.1-1 (3 of 4)	—	—
26-001	26-600786	F-4.1-1 (3 of 4)	—	F-4.1-3 (2 of 2)
26-001	26-600787	F-4.1-1 (4 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600788	F-4.1-1 (4 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600789	F-4.1-1 (4 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600790	F-4.1-1 (4 of 4)	F-4.1-2 (2 of 2)	F-4.1-3 (2 of 2)
26-001	26-600791	F-4.1-1 (4 of 4)	—	F-4.1-3 (2 of 2)
26-001	26-600792	F-4.1-1 (4 of 4)	—	—
26-001	26-600910	F-4.1-1 (1 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600911	F-4.1-1 (1 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600912	F-4.1-1 (1 of 4)	F-4.1-2 (1 of 2)	—
26-001	26-600913	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)

Table F-1.2-1 (continued)

SWMU/AOC Number	Location ID	Inorganic Chemical Figure Number	Organic Chemical Figure Number	Radionuclide Figure Number
26-001	26-600914	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600915	F-4.1-1 (1 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600916	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600917	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600918	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600919	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600920	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600921	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600922	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600923	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600924	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600925	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600926	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600927	F-4.1-1 (2 of 4)	F-4.1-2 (1 of 2)	F-4.1-3 (1 of 2)
26-001	26-600928	F-4.1-1 (1 of 4)	—	F-4.1-3 (1 of 2)
26-001	26-600929	F-4.1-1 (2 of 4)	—	F-4.1-3 (1 of 2)

Note: — = No COPCs detected or detected above background at this location.

Table F-2.1-1
Summary of Inorganic Chemicals above BV at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na[b]**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
CA02-00-0140	02-01241	3.0–4.0	FILL	—[e]	—	—	—	—	—	—	—	—	—	—	—	NA[f]	NA	—	—	170
CA02-00-0144	02-01242	0.0–1.0	ALLH	—	—	—	—	—	—	77	—	—	—	—	—	NA	NA	—	—	—
CA02-00-0145	02-01242	2.5–4.0	ALLH	—	—	—	—	0.84	—	—	—	—	—	—	—	NA	NA	—	—	50
CA02-00-0147	02-01242	10.5–14.5	ALLH	—	—	—	—	—	—	—	—	29	1000	—	—	NA	NA	—	—	110
RE02-07-670	02-600118	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.322	—	0.814 (J-)	0.000827 (J-)	—	—	50.4
RE02-07-673	02-600118	9.5–12.0	QBO	9980	—	2.74	55.8	0.59 (U)	9.65	4.06	5910	—	212	—	4.23	—	—	1.2 (J)	6.46	—
RE02-07-6820	02-600118	14.5–19.0	QBO	7110 (J+)	0.52 (U)	1.9 (U)	50.9	0.634 (U)	4.06 (J+)	—	5580	—	—	—	—	—	—	7.79	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	1.26 (J+)	—	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	—	—	0.651	—	—	—	—	—	—	—	2.72 (J+)	0.00269	1.61 (U)	—	—
RE02-07-676	02-600119	15.0–21.0	QBO	6590	—	0.659 (J)	—	0.612 (U)	94.2 (J)	—	6430	—	258	—	43.1	—	—	1.84 (U)	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	—	—	—	—	1.05	—	—	—	—	—	—	—	1.72 (J+)	0.00565	—	—	49.1
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	—	—	0.535 (U)	123	—	—	—	—	—	22.4 (U)	—	—	—	—	—
RE02-07-680	02-600120	14.5–17.8	QBO	6240	—	1.21 (J)	32.6	0.541 (U)	30.7 (U)	—	6270	—	276	—	8.34 (U)	—	—	0.68 (U)	5.75	—
RE02-07-682	02-600121	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	1.18	—	1.18 (J-)	—	—	—	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	—	—	—	20.8	—	—	—	—	—	—	—	—	—	—	—
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	—	—	20	—	—	—	—	—	—	—	—	—	—	—
RE02-07-684	02-600121	15.0–21.0	QBO	7110	—	0.797 (J)	—	0.56 (U)	17.8 (U)	—	5400 (J+)	—	231	—	4.04 (U)	—	0.000628 (J)	1.68 (U)	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.146	—	—	—	—	—	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	1.3 (J-)	—	—	—	53.7 (J+)
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	1.39 (J-)	0.000596 (J)	—	—	—
RE02-07-689	02-600123	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.408	—	2.13 (J-)	—	1.54 (U)	—	—
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	—	—	2.23	—	—	—	—	—	0.545	—	—	—	—	—	49
RE02-07-691	02-600123	4.5–6.7	QAL	—	—	—	—	0.453 (J)	—	—	—	—	—	—	—	—	0.000608 (J)	—	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.355	—	—	—	—	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	0.548 (U)	—	—	—	—	—	0.226	—	—	—	—	—	—
RE02-07-694	02-600124	4.5–5.7	QAL	—	—	—	—	0.531 (U)	—	—	—	—	—	—	—	—	—	1.59 (U)	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.1-2
Summary of Organic Chemicals Detected at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-670	02-600118	0.0–0.5	ALLH	—[c]	0.0104 (J)	—	0.74	—	0.0298 (J)	0.0327 (J)	0.0121 (J)	—	—
RE02-07-6820	02-600118	14.5–19.0	QBO	—	—	—	0.0886	—	—	—	—	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	0.0136 (J)	0.0214 (J)	0.171	0.262	0.0683	0.0974	—	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	0.513	0.185	—	—	—	—	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	—	—	0.0094	0.0109	0.0285 (J)	—	—	—	—	—
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	0.0624	0.0045	—	—	—	—	—	—
RE02-07-682	02-600121	0.0–0.5	ALLH	—	0.007 (J)	0.0116 (J)	—	0.0267 (J)	0.099	0.0436	—	—	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	0.0587	0.0574	0.0122 (J)	—	—	—	—	—
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	0.0066	—	—	—	—	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	—	—	0.0183 (J)	0.0191 (J)	—	—	—	—	—	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	—	0.653	1.25	0.0328 (J)	0.0278 (J)	0.0327 (J)	0.0203 (J)	0.0182 (J)	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	0.0776	0.0226	—	—	—	—	—	0.153 (J)
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	—	0.0018 (J)	0.0125 (J)	—	—	—	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	—	—	—	—	—	—

Table F-2.1-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dichlorobenzene[1,4-]	Fluoranthene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**2310**	**103**	**24400**	**23.4**	**490**	**300**	**20500**	**30900**	**252**
RE02-07-670	02-600118	0.0–0.5	ALLH	0.021 (J)	—	0.0345 (J)	—	NA[d]	0.0111 (J)	0.0344 (J)	0.0356 (J)	NA
RE02-07-6820	02-600118	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-674	02-600119	0.0–0.5	ALLH	0.0649	—	0.173	—	NA	—	0.0942	0.158	NA
RE02-07-675	02-600119	4.5–7.3	QAL	—	—	0.0102 (J)	—	—	—	—	—	—
RE02-07-678	02-600120	0.0–0.5	ALLH	0.0232 (J)	—	0.0538	—	NA	—	0.0253 (J)	0.0557	NA
RE02-07-679	02-600120	4.5–7.6	QAL	—	—	0.0163 (J)	—	—	—	0.0145 (J)	0.0137 (J)	0.000362 (J)
RE02-07-682	02-600121	0.0–0.5	ALLH	0.028 (J)	—	0.0514	0.0554	NA	—	0.0372	0.0462	NA
RE02-07-683	02-600121	4.5–6.3	QAL	—	—	0.0114 (J)	—	0.00452 (J)	—	—	—	0.00037 (J)
RE02-07-685	02-600121	10.0–12.3	QAL	—	—	—	—	—	—	—	—	—
RE02-07-686	02-600122	0.0–0.5	ALLH	0.0152 (J)	—	0.0182 (J)	—	NA	—	0.0111 (J)	0.0327 (J)	NA
RE02-07-687	02-600122	2.0–4.5	QAL	0.0287 (J)	0.000563 (J)	0.0568	0.0165 (J)	—	—	0.0279 (J)	0.048	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-690	02-600123	2.0–2.5	QAL	—	—	0.0141 (J)	—	0.00355 (J)	—	0.0107 (J)	0.0114 (J)	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	0.0145 (J)	—	NA	—	—	0.0253 (J)	NA
RE02-07-693	02-600124	2.0–3.7	QAL	—	—	—	—	—	—	—	0.0151 (J)	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

Table F-2.1-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**
Industrial Screening Action Levels[d]				**180**	**9.7**	**210**	**1900**	**440000**
0402-95-0294	02-01042	0.0–1.0	QBT2	—[e]	—	—	—	0.0209342
0402-95-0295	02-01042	3.5–4.5	QBT2	—	—	—	—	0.0375419
0402-95-0296	02-01042	7.5–8.5	QBT2	—	—	—	—	0.0887023
0402-95-0297	02-01042	10.0–15.0	QBT2	—	—	—	—	0.0678363
CA02-00-0140	02-01241	3.0–4.0	FILL	—	33.3	3.34	7.66 (J-)	0.0319462
CA02-00-0141	02-01241	7.5–8.5	FILL	—	1.6	—	43 (J-)	0.107304
CA02-00-0142	02-01241	11.5–12.5	ALLH	—	0.165	—	—	—
CA02-00-0143	02-01241	15.0–16.5	ALLH	0.0649	0.0471	—	—	0.0356339
CA02-00-0144	02-01242	0.0–1.0	ALLH	—	0.139	—	—	—
CA02-00-0145	02-01242	2.5–4.0	ALLH	—	0.264	0.177	0.374 (J-)	—
CA02-00-0148	02-01242	15.0–16.0	ALLH	—	0.232	—	—	—
RE02-07-675	02-600119	4.5–7.3	QAL	—	6.5	0.119	2.07	0.0361173
RE02-07-678	02-600120	0.0–0.5	ALLH	—	5.7	0.252	—	0.011825
RE02-07-679	02-600120	4.5–7.6	QAL	—	8.96	0.0393	4.69	—
RE02-07-683	02-600121	4.5–6.3	QAL	—	2.22	1.49	0.745	—
RE02-07-687	02-600122	2.0–4.5	QAL	—	3.65	0.115	0.367	—
RE02-07-688	02-600122	4.5–7.5	QAL	—	48.4	0.247	8.85	0.0423011
RE02-07-691	02-600123	4.5–6.7	QAL	—	0.215	0.706	—	—
RE02-07-692	02-600124	0.0–0.5	ALLH	—	—	0.084	—	—
RE02-07-693	02-600124	2.0–3.7	QAL	—	0.245	0.0886	—	0.0345
RE02-07-694	02-600124	4.5–5.7	QAL	—	0.144	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.2-1
Summary of Inorganic Chemicals above BV at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Selenium	Vanadium
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na[b]**	**1.52**	**39.6**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**0.3**	**4.59**
SED Background Value[a]				**15400**	**3.98**	**127**	**0.4**	**10.5**	**11.2**	**13800**	**543**	**0.1**	**9.38**	**na**	**0.3**	**19.7**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**48400**	**340[d]**	**22700**	**100000**	**5680**	**1140**
RE02-07-696	02-600125	0.0–0.5	ALLH	—[e]	—	—	0.512 (U)	—	—	—	—	—	—	1.62 (J)	—	—
RE02-07-697	02-600125	4.5–9.0	QAL	—	—	—	0.547 (U)	—	—	—	—	—	—	2.74	1.64 (U)	—
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	0.515 (U)	—	—	—	—	—	—	—	1.54 (U)	—
RE02-07-699	02-600125	14.5–16.7	QBO	8130	0.99 (J)	—	0.592 (U)	58.7 (U)	—	5760	199	—	3.42 (U)	—	1.78 (U)	—
RE02-07-701	02-600126	0.0–0.5	ALLH	—	—	—	0.49 (U)	—	—	—	—	—	—	—	—	—
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	0.544 (U)	—	—	—	—	—	—	1.45 (J)	1.63 (U)	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	—	0.552 (U)	—	—	—	—	—	—	—	1.65 (U)	—
RE02-07-704	02-600126	14.5–16.7	QBO	9950	1.15 (J)	61.7	0.575 (U)	8.77 (U)	—	6440	199	—	3.26 (U)	—	1.73 (U)	—
RE02-07-706	02-600127	0.0–0.5	ALLH	—	—	—	0.505 (U)	—	—	—	—	—	—	7.94 (J)	—	—
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	—	0.534 (U)	—	—	—	—	—	—	1.22	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	7190	1.49 (J)	48	0.562 (U)	15	4.47	8300	235	—	3.12	1.92	1.69 (U)	10.4 (J)
RE02-07-711	02-600128	0.0–0.5	SED	—	—	—	0.521 (U)	—	—	—	—	—	—	3.55 (J)	1.56 (U)	—
RE02-07-716	02-600129	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	0.443	—	3.09 (J)	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.2-2
Summary of Organic Chemicals Detected at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial Soil Screening Levels[b]				**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
0402-95-0279	02-01104	9.0–10.0	QBT2	—[c]	NA[d]	NA	NA	—	—	—	—	—
0402-95-0280	02-01104	13.0–14.0	QBT2	—	NA	NA	NA	—	—	—	—	—
RE02-07-696	02-600125	0.0–0.5	ALLH	—	—	0.844	0.369	—	—	—	—	—
RE02-07-697	02-600125	4.5–9.0	QAL	—	—	0.103 (J-)	0.0423 (J-)	—	—	—	—	—
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	0.0016 (J)	—	—	—	—	—
RE02-07-701	02-600126	0.0–0.5	ALLH	0.00862 (J)	—	0.0242	0.0131	—	—	0.0105 (J)	—	—
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	0.0035 (J)	0.0022 (J)	—	—	—	—	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	0.0076	—	0.0022 (J)	—	—	—	—	—
RE02-07-706	02-600127	0.0–0.5	ALLH	—	—	0.0559	0.025	—	—	—	—	—
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	0.0067	0.0058	—	—	—	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	—	—	—	0.0015 (J)	—	—	—	—	—
RE02-07-711	02-600128	0.0–0.5	SED	0.0158 (J)	—	0.0644	0.0896	0.0831	0.114	0.164	0.0467 (J)	0.0654
RE02-07-716	02-600129	0.0–0.5	ALLH	0.0351	—	0.0079	0.0093	0.0609	0.0709	0.0814	—	0.039

Table F-2.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzene[n-]	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Pyrene	Trimethylbenzene[1,2,4-]
Industrial Soil Screening Levels[b]				**62.1**	**2310**	**68400**	**24400**	**26500**	**389**[e]	**300**[f]	**30900**	**213**
0402-95-0279	02-01104	9.0–10.0	QBT2	NA	—	0.2 (J)	—	—	NA	—	—	NA
0402-95-0280	02-01104	13.0–14.0	QBT2	NA	—	0.067 (J)	—	—	NA	—	—	NA
RE02-07-696	02-600125	0.0–0.5	ALLH	NA	—	—	0.0138 (J)	—	NA	—	0.0111 (J)	NA
RE02-07-697	02-600125	4.5–9.0	QAL	0.000661 (J)	—	—	—	—	0.000403 (J)	—	—	0.000229 (J)
RE02-07-698	02-600125	9.0–11.3	QAL	—	—	—	—	—	—	—	—	—
RE02-07-701	02-600126	0.0–0.5	ALLH	NA	—	—	0.0125 (J)	—	NA	—	—	NA
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—
RE02-07-706	02-600127	0.0–0.5	ALLH	NA	—	—	—	—	NA	—	—	NA
RE02-07-707	02-600127	4.5–6.4	QAL	—	—	—	0.0124 (J)	—	—	—	—	—
RE02-07-708	02-600127	9.5–11.9	QBO	—	—	—	—	—	—	—	—	—
RE02-07-711	02-600128	0.0–0.5	SED	NA	0.107	—	0.228	—	NA	—	0.175	NA
RE02-07-716	02-600129	0.0–0.5	ALLH	NA	0.0538	—	0.134	0.0223 (J)	NA	0.0137 (J)	0.103	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table F-2.2-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(b)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**
SED Background/Fallout Value[b]				**0.9**	**0.006**	**1.04**	**0.093**
Industrial Screening Action Levels[d]				**9.7**	**210**	**1900**	**440000**
0402-95-0279	02-01104	9.0–10.0	QBT2	—[e]	—	0.96	0.191079
0402-95-0280	02-01104	13.0–14.0	QBT2	—	—	—	0.304311
RE02-07-697	02-600125	4.5–9.0	QAL	4.46	0.542	0.96	0.0262783
RE02-07-702	02-600126	4.5–5.2	QAL	—	—	—	0.032082
RE02-07-703	02-600126	9.5–12.7	QAL	—	—	0.173	0.0295674
RE02-07-704	02-600126	14.5–16.7	QBO	—	—	—	0.0408605
RE02-07-707	02-600127	4.5–6.4	QAL	0.171	0.267 (J-)	—	—
RE02-07-711	02-600128	0.0–0.5	SED	—	0.631	—	—
RE02-07-716	02-600129	0.0–0.5	ALLH	—	0.768	—	0.0110688

Note: All values in pCi/g.
[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.
[b] Background/fallout values are from LANL 1998, 059730.
[c] na = Not available.
[d] All values from LANL (LANL 2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.3-1
Summary of Inorganic Chemicals above BV at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**0.73**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1.22**	**4.59**	**40**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**11.2**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**0.73**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**45400**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
CA02-00-0125	02-01237	8.0–8.75	ALLH	—[e]	—	—	—	—	—	—	—	—	—	—	0.11	—	NA[f]	NA	—	—	—	—
RE02-07-6177	02-600196	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.255	—	1.36	0.000591 (J)	1.61 (U)	—	—	54.1
RE02-07-806	02-600196	0.0–4.5	ALLH	—	—	—	—	0.505 (U)	—	—	—	—	—	—	0.292 (J)	—	—	0.000745 (J-)	—	—	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	—	—	—	0.525 (U)	—	23.2	—	—	—	—	0.174 (J)	—	—	—	—	—	—	—
RE02-07-808	02-600196	19.0–22.0	QBO	8750	0.513 (UJ)	1.16 (J)	—	0.66 (U)	—	13.4	—	7030	—	309	—	4.46	—	—	1.98 (U)	—	—	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	—	—	380 (J+)	—	—	—	33.6	—	—	—	0.457	—	2.53	—	—	—	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	—	—	2230	0.524 (U)	7440	21.3	18.7	—	36.9	—	—	—	1.74	—	11	—	—	—
RE02-07-813	02-600197	9.5–12.0	QAL	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—	—	—	—	7.29	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	13600	0.55 (UJ)	1.52 (J)	83.6	0.683 (U)	—	3.69	—	5160	—	198 (J+)	—	—	—	—	9.11	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	—	—	—	0.519 (U)	—	—	43.9	—	—	—	0.229	—	—	—	14.6	—	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	0.521 (U)	—	—	—	—	—	—	—	—	—	—	7.71	—	—	—
RE02-07-817	02-600198	14.5–19.5	QAL	—	—	—	—	0.567 (U)	—	—	—	—	—	—	—	—	—	0.000712 (J)	6.82	—	—	—
RE02-07-816	02-600198	19.5–24.5	QBO	8420	0.551 (UJ)	0.727 (J)	—	0.678 (U)	—	8.2	—	5450	—	258	—	2.01	—	—	7.56	—	—	—
RE02-07-818	02-600199	0.0–0.5	ALLH	—	—	—	—	0.547 (U)	—	—	—	—	—	—	0.144	—	1.22	—	6.68	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	—	0.514 (U)	—	—	—	—	—	—	—	—	—	0.00113 (J)	7.83	8.21	—	—
RE02-07-822	02-600200	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.243 (J-)	—	1.86 (J)	—	—	—	—	—
RE02-07-823	02-600200	4.5–7.0	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—	—	2.95	—	1.57 (U)	—	—	—
RE02-07-825	02-600200	9.5–14.5	QBO	—	—	1.69 (J)	—	0.567 (U)	—	6.41 (J)	—	7360 (J)	—	205 (J)	—	—	—	—	0.61 (J)	—	7.63 (J)	—
RE02-07-824	02-600200	14.5–19.5	QBO	11600	—	0.793 (J)	42.3 (J+)	0.597 (U)	—	6.84 (J)	—	6430 (J)	—	235 (J)	—	2.63	—	—	1.79 (U)	—	—	—
RE02-07-826	02-600201	0.0–0.5	ALLH	—	—	—	—	—	—	—	80	—	—	—	—	—	0.858 (J)	—	1.54 (U)	—	—	61.6
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	—	0.553 (U)	—	—	—	—	—	—	—	—	1.62	—	8.56	—	—	—
RE02-07-829	02-600201	9.5–11.5	QAL	—	—	—	—	0.571 (U)	—	—	—	—	—	—	—	—	—	—	6.19	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	5270	—	1.14 (J)	—	0.58 (U)	—	8.15	—	5300	—	—	—	—	—	—	6.73	—	4.87	—
RE02-07-830	02-600202	0.0–0.5	ALLH	—	—	—	—	0.506 (U)	—	—	—	—	—	—	0.683	—	1.87	—	—	—	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	—	—	—	—	0.507 (U)	—	—	—	—	—	—	2.43	—	1.59	—	—	—	—	—
RE02-07-834	02-600203	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.52	—	—	—	—	—	—	—
RE02-07-835	02-600203	4.5–6.5	QAL	—	—	—	1550	0.522 (U)	—	—	—	—	62	—	0.797	—	1.62	—	7.18	—	—	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	—	—	—	0.544 (U)	—	—	—	—	—	—	—	—	—	—	9.4	—	—	—
RE02-07-836	02-600203	14.0–16.5	QBO	3790 (J+)	—	2	31.6	0.586 (U)	—	6.32	—	6740	—	289	—	4.69	—	—	8.25	—	6.62	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	1.11	—	1.41 (J-)	—	1.56 (U)	—	—	—

Table F-2.3-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**0.73**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1.22**	**4.59**	**40**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**11.2**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**0.73**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**45400**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
RE02-07-839	02-600204	4.5–9.5	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—	—	—	—	1.57 (U)	—	—	—
RE02-07-841	02-600204	9.5–14.0	QAL	—	—	—	—	0.543 (U)	—	—	—	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-840	02-600204	19.0–24.0	QBO	8610	—	2.76	55.8	0.58 (U)	—	6.99	—	8750	—	251	—	3.78	—	—	1.74 (U)	—	10.2	—
RE02-07-842	02-600205	0.0–0.5	SED	—	—	—	—	0.59 (U)	—	—	—	—	—	—	—	—	—	—	1.18 (J)	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.3-2
Summary of Organic Chemicals Detected at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
RE02-07-6177	02-600196	0.0–0.5	A LLH	—[c]	NA[d]	0.00767 (J)	0.0065	0.0077 (J)	0.0294 (J)	—	0.0586	—	—
RE02-07-806	02-600196	0.0–4.5	ALLH	—	NA	0.0132 (J)	—	0.0019 (J)	—	—	0.0584	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.0101	—	—	0.0047	—	—	0.0192 (J)	—	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	NA	0.0125 (J)	NA	NA	0.0702	0.0858 (J)	0.132 (J)	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	—	—	NA	NA	0.0232 (J)	0.0197 (J)	0.0214 (J)	—	—
RE02-07-813	02-600197	9.5–12.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	—	—	—	NA	NA	—	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	NA	—	NA	NA	—	—	—	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-829	02-600201	9.5–11.5	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	—	—	—	NA	NA	—	—	—	—	—
RE02-07-830	02-600202	0.0–0.5	ALLH	—	NA	—	NA	NA	—	0.0231 (J)	0.0213 (J)	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	NA	—	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-834	02-600203	0.0–0.5	ALLH	—	NA	—	NA	NA	—	0.0258 (J)	0.0257 (J)	—	—
RE02-07-835	02-600203	4.5–6.5	QAL	0.0167 (J)	—	0.0185 (J)	NA	NA	0.0609	0.108	0.0802	0.0434	0.0393
RE02-07-837	02-600203	9.0–11.0	QAL	—	—	—	NA	NA	—	—	—	—	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	NA	—	NA	NA	0.0334 (J)	0.0403	0.0552	0.0137 (J)	—
RE02-07-842	02-600205	0.0–0.5	SED	—	NA	0.00967 (J-)	NA	NA	0.0628 (J-)	—	0.0841 (J-)	—	—

Table F-2.3-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chloroform	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**9.59**	**2310**	**24400**	**23.4**	**300[e]**	**300**	**20500**	**30900**	**252**
RE02-07-6177	02-600196	0.0–0.5	A LLH	NA	0.0383	0.0641	—	—	—	0.0342 (J)	0.0599	NA
RE02-07-806	02-600196	0.0–4.5	ALLH	NA	0.0322 (J)	0.0576	—	—	—	0.0494	0.0548	NA
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.0161 (J)	0.0252 (J)	—	—	—	0.0203 (J)	0.025 (J)	0.000892 (J)
RE02-07-810	02-600197	0.0–0.5	ALLH	NA	0.0891	0.103	—	—	—	0.0702	0.131	NA
RE02-07-811	02-600197	4.5–9.5	QAL	0.000265 (J)	0.0152 (J)	0.0239 (J)	—	—	—	0.0191 (J)	0.0245 (J)	0.000458 (J)
RE02-07-813	02-600197	9.5–12.0	QAL	0.000288 (J)	—	—	—	—	—	—	—	—
RE02-07-812	02-600197	14.5–18.5	QBO	0.000322 (J)	—	—	—	—	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	NA	—	0.0149 (J)	—	—	—	—	0.0141 (J)	NA
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000928 (J)
RE02-07-819	02-600199	4.5–7.3	QAL	—	—	—	—	—	—	—	—	0.00037 (J)
RE02-07-827	02-600201	4.5–6.7	QAL	0.000319 (J)	—	—	—	—	—	—	—	0.000665 (J)
RE02-07-829	02-600201	9.5–11.5	QAL	0.000257 (J)	—	—	—	—	—	—	—	—
RE02-07-828	02-600201	15.9–20.5	QBO	0.000266 (J)	—	—	—	—	—	—	—	—
RE02-07-830	02-600202	0.0–0.5	ALLH	NA	0.0144 (J)	0.0197 (J)	—	—	—	0.0141 (J)	0.0155 (J)	NA
RE02-07-831	02-600202	4.5–6.2	QAL	—	NA	NA	NA	NA	NA	NA	NA	0.000394 (J)
RE02-07-834	02-600203	0.0–0.5	ALLH	NA	0.0149 (J)	0.0218 (J)	—	—	—	0.0167 (J)	0.0155 (J)	NA
RE02-07-835	02-600203	4.5–6.5	QAL	—	0.072	0.116	0.158	0.00792 (J)	0.0161 (J)	0.0945	0.102	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	0.0228 (J)	0.0322 (J)	—	—	—	0.0327 (J)	0.0304 (J)	—
RE02-07-838	02-600204	0.0–0.5	ALLH	NA	0.0309 (J)	0.047	—	—	—	0.0303 (J)	0.0458	NA
RE02-07-842	02-600205	0.0–0.5	SED	NA	0.0671 (J-)	0.129 (J-)	—	—	—	0.0498 (J-)	0.115 (J-)	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

Table F-2.3-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(c)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na**	**0.054**	**1.31**	**na[c]**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**	**3.9**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**	**430**
0402-95-0291	02-01043	7.5–8.5	QBT2	—[e]	6.27	—	0.031	—	0.12318	—	—
0402-95-0292	02-01043	14.0–15.0	QBT2	—	—	—	—	—	0.0891487	—	—
0402-95-0029	02-01144	14.0–15.0	QBT2	NA[f]	NA	NA	—	0.3	0.206111	0.33	—
0402-95-0033	02-01145	9.0–10.0	QBT2	—	—	—	—	—	0.0762585	—	—
0402-95-0034	02-01145	12.5–13.5	QBT2	—	—	—	—	—	0.0730895	—	—
CA02-00-0125	02-01237	8.0–8.75	ALLH	0.0969	0.135	—	—	—	—	—	—
CA02-00-0128	02-01238	14.0–14.75	ALLH	0.066	0.434	—	—	—	0.030874	—	—
RE02-07-6177	02-600196	0.0–0.5	ALLH	—	1.76	—	0.129	—	0.138152	—	—
RE02-07-806	02-600196	0.0–4.5	ALLH	—	2.34	—	0.033	—	—	—	—
RE02-07-807	02-600196	4.5–9.0	QAL	—	0.214	—	0.0266	—	—	—	—
RE02-07-808	02-600196	19.0–22.0	QBO	—	—	—	—	—	0.111356	0.186	—
RE02-07-810	02-600197	0.0–0.5	ALLH	—	3.32	—	0.178	—	—	—	—
RE02-07-811	02-600197	4.5–9.5	QAL	—	0.337	—	0.0537	—	—	—	—
RE02-07-814	02-600198	0.0–0.5	ALLH	—	1.71	—	0.155	—	0.0110671	—	—
RE02-07-815	02-600198	0.5–5.0	QAL	—	—	—	—	—	0.0191741	—	—
RE02-07-818	02-600199	0.0–0.5	ALLH	—	—	—	0.0587	—	—	—	—
RE02-07-819	02-600199	4.5–7.3	QAL	—	0.496	—	—	—	0.0271396	—	—
RE02-07-822	02-600200	0.0–0.5	ALLH	—	—	—	0.121	—	—	—	—
RE02-07-823	02-600200	4.5–7.0	QAL	—	—	—	—	—	0.0594386	—	—
RE02-07-826	02-600201	0.0–0.5	ALLH	—	—	0.24	—	—	—	—	—
RE02-07-827	02-600201	4.5–6.7	QAL	—	—	—	—	—	0.159712	—	—
RE02-07-831	02-600202	4.5–6.2	QAL	—	0.162	—	—	—	—	—	—
RE02-07-834	02-600203	0.0–0.5	ALLH	—	—	—	0.327	—	—	—	2.54
RE02-07-835	02-600203	4.5–6.5	QAL	—	1.41	—	0.063	—	—	—	—
RE02-07-837	02-600203	9.0–11.0	QAL	—	0.624	—	—	—	—	—	—
RE02-07-836	02-600203	14.0–16.5	QBO	—	0.175	—	2.72	—	—	—	—
RE02-07-838	02-600204	0.0–0.5	ALLH	—	—	—	0.167	—	—	—	—

Table F-2.3-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na**	**0.054**	**1.31**	**na[c]**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**	**3.9**
QBT2 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**	**430**
RE02-07-839	02-600204	4.5–9.5	QAL	—	0.334	—	—	—	—	—	—
RE02-07-841	02-600204	9.5–14.0	QAL	—	0.29	—	0.0429	—	—	—	—
RE02-07-842	02-600205	0.0–0.5	SED	—	—	—	0.255	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

[f] NA = Not analyzed.

Table F-2.4-1
Summary of Inorganic Chemicals above BV at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium
ALLH/FILL/QAL Background Value[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**	**4610**
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**4.66**	**14500**	**11.2**	**1690**
QCT Background Value[a]				**3560**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**	**739**
Industrial Soil Screening Levels[b]				**100000**	**17.7**	**100000**	**2250**	**564**	**na[d]**	**5000[c]**	**45400**	**100000**	**800**	**na**
CA02-00-0281	02-01254	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	—	—	—
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	2.5 (J+)	—	—	—	—	—	—	—
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-933	02-600218	2.0–4.0	QCT	11300	1.55 (J)	58.5	4.15	—	3850 (J+)	6.96	5.4	8510	17.8	1660 (J+)
RE02-07-934	02-600218	4.0–5.25	QCT	11400	2.11	63.7	5.84	—	3030 (J+)	13.7	5.81	9040	16.6	2380 (J+)
RE02-07-935	02-600219	0.0–0.5	ALLH	—	—	—	—	0.52 (U)	—	—	—	—	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	—	0.511 (U)	—	—	—	—	—	—
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	—	0.509 (U)	—	—	—	—	—	—
RE02-07-938	02-600220	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-941	02-600221	0.0–1.2	ALLH	—	—	—	—	—	—	—	—	—	—	—
RE02-07-944	02-600222	0.0–0.5	ALLH	—	—	—	—	0.557 (U)	—	—	—	—	—	—
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	—	—	0.547 (U)	—	—	—	—	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	—	—	—	0.53 (U)	—	—	—	—	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	—	0.546 (U)	—	—	—	—	—	—
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	—	0.553 (U)	—	—	—	—	—	—
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	—	0.506 (U)	—	—	—	—	—	—
RE02-07-959	02-600227	0.0–0.5	ALLH	—	—	—	—	0.572 (U)	—	—	—	—	—	—
RE02-07-960	02-600227	2.0–2.8	QAL	—	—	—	—	0.53 (U)	—	—	—	—	—	—
RE02-07-961	02-600227	4.5–5.7	QAL	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-962	02-600228	0.0–0.5	ALLH	—	—	—	—	0.524 (U)	—	—	—	—	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	—	—	—	0.495 (U)	—	—	—	—	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	—	—	—	0.512 (U)	—	—	—	—	—	—
RE02-07-965	02-600229	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	—	—	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	0.514 (U)	—	—	—	—	—	—
RE02-07-967	02-600229	4.5–5.7	QCT	—	0.926 (J)	—	—	0.539 (U)	—	—	—	—	—	—
RE02-07-968	02-600230	0.0–0.5	ALLH	—	—	—	—	0.537 (U)	—	—	—	—	—	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.538 (U)	—	29.5	—	—	—	—
RE02-07-971	02-600231	0.0–1.0	ALLH	—	—	—	—	0.532 (U)	—	—	—	—	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	—	—	—	—	—	—	—	—	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	—	—	—	8.14	—	—	—	—

Table F-2.4-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Potassium	Selenium	Silver	Thallium	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**671**	**0.1**	**15.4**	**na**	**na**	**3460**	**1.52**	**1**	**0.73**	**1.82**	**39.6**	**48.8**
QBT3 Background Value[a]				**482**	**0.1**	**6.58**	**na**	**na**	**3500**	**0.3**	**1**	**1.1**	**2.4**	**17**	**63.5**
QCT Background Value[a]				**189**	**0.1**	**2**	**na**	**na**	**2390**	**0.3**	**1**	**1.22**	**0.72**	**4.59**	**40**
Industrial Soil Screening Levels[b]				**48400**	**340[c]**	**22700**	**100000**	**790[c]**	**na**	**5680**	**5680**	**74.9**	**200[f]**	**1140**	**100000**
CA02-00-0281	02-01254	0.0–0.5	ALLH	—	—	—	NA[g]	NA	—	—	1.3	—	3.63	—	62 (J+)
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	NA	NA	—	—	—	—	—	—	59 (J+)
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	NA	NA	—	—	—	—	—	—	53 (J+)
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	NA	NA	—	—	—	—	2.33	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	0.139	—	22.6 (J-)	0.00183 (J)	—	1.67 (U)	—	—	NA	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	—	—	9.94	0.00167 (J)	—	—	—	—	NA	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	—	—	1.67 (J-)	0.00065 (J)	—	—	—	—	NA	—	54.4
RE02-07-933	02-600218	2.0–4.0	QCT	314 (J+)	—	4.49	1.04 (J-)	0.000864 (J)	—	1.62 (U)	—	—	NA	11.7	71.3
RE02-07-934	02-600218	4.0–5.25	QCT	324 (J+)	—	7.69	1 (J-)	—	2420	0.874 (J)	—	—	NA	13.5	76.4
RE02-07-935	02-600219	0.0–0.5	ALLH	—	—	—	4.58 (J-)	0.000783 (J)	—	—	—	—	NA	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	1.01 (J-)	—	—	—	—	—	NA	—	—
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	1.44 (J-)	—	—	—	—	—	NA	—	51.6
RE02-07-938	02-600220	0.0–0.5	ALLH	—	—	—	7.19 (J-)	0.00125 (J)	—	1.73 (U)	—	—	NA	—	50.2
RE02-07-941	02-600221	0.0–1.2	ALLH	—	—	—	11.2 (J-)	0.000692 (J)	—	—	—	—	NA	—	49.8
RE02-07-944	02-600222	0.0–0.5	ALLH	—	0.11	—	7.36	0.00237	—	—	—	—	NA	—	57
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	—	7.34	0.00226 (J)	—	—	—	—	NA	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	—	—	6.45	0.00243	—	—	—	—	NA	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	2	0.000629 (J)	—	1.64 (U)	—	—	NA	—	71.2
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	13.9	0.00152 (J)	—	—	—	—	NA	—	54
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	6.67	0.000565 (J)	—	—	—	—	NA	—	—
RE02-07-959	02-600227	0.0–0.5	ALLH	—	—	—	1.2	—	—	—	—	—	NA	—	—
RE02-07-960	02-600227	2.0–2.8	QAL	—	—	—	0.888 (J)	—	—	1.59 (U)	—	—	NA	—	—
RE02-07-961	02-600227	4.5–5.7	QAL	—	—	—	—	0.00109 (J)	—	1.61 (U)	—	—	NA	—	—
RE02-07-962	02-600228	0.0–0.5	ALLH	—	—	—	2.39	—	—	1.57 (U)	—	—	NA	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	—	—	0.907 (J)	0.00164 (J)	—	—	—	—	NA	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	—	—	—	0.00271	—	—	—	—	NA	—	—
RE02-07-965	02-600229	0.0–0.5	ALLH	—	—	—	3.71	—	—	6.97	—	1.13 (U)	NA	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	—	—	5.18	—	—	NA	—	—
RE02-07-967	02-600229	4.5–5.7	QCT	—	—	—	—	—	—	4.6	—	—	NA	—	—
RE02-07-968	02-600230	0.0–0.5	ALLH	—	—	—	—	—	—	9.04	—	—	NA	—	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.000791 (J)	—	12	—	—	NA	—	—

Table F-2.4-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Potassium	Selenium	Silver	Thallium	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**671**	**0.1**	**15.4**	**na**	**na**	**3460**	**1.52**	**1**	**0.73**	**1.82**	**39.6**	**48.8**
QBT3 Background Value[a]				**482**	**0.1**	**6.58**	**na**	**na**	**3500**	**0.3**	**1**	**1.1**	**2.4**	**17**	**63.5**
QCT Background Value[a]				**189**	**0.1**	**2**	**na**	**na**	**2390**	**0.3**	**1**	**1.22**	**0.72**	**4.59**	**40**
Industrial Soil Screening Levels[b]				**48400**	**340[c]**	**22700**	**100000**	**790[c]**	**na**	**5680**	**5680**	**74.9**	**200[f]**	**1140**	**100000**
RE02-07-971	02-600231	0.0–1.0	ALLH	—	—	—	3.79	0.000627 (J)	—	5.14	—	—	NA	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	—	—	1.37	—	—	4.12	—	—	NA	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	1.26	—	—	4.37	—	—	NA	—	—

Note: All values in mg/kg.
[a] Background values are from LANL 1998, 059730.
[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.
[c] EPA Region 6 (EPA 2007, 095866).
[d] na = Not available.
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).
[g] NA = Not analyzed.

Table F-2.4-2
Summary of Organic Chemicals Detected at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[a]				**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**234**	**2310**	**24400**	**20500**	**30900**	**252**
RE02-07-6885	02-600216	0.0–0.5	ALLH	NA[b]	NA	—[c]	—	—	—	—	0.0119 (J)	—	—	NA
RE02-07-6894	02-600220	0.0–0.5	ALLH	NA	NA	0.0135 (J)	—	0.0251 (J)	0.013 (J)	0.0178 (J)	0.0204 (J)	—	0.0168 (J)	NA
RE02-07-6897	02-600221	0.0–0.5	ALLH	NA	NA	0.026 (J)	0.0299 (J)	0.0763	—	0.0498	0.0779	0.0342 (J)	0.0919	NA
RE02-07-6900	02-600222	0.0–0.5	ALLH	NA	NA	0.0151 (J)	—	0.0285 (J)	—	0.025 (J)	0.0249 (J)	0.0107 (J)	0.026 (J)	NA
RE02-07-6903	02-600223	0.0–0.5	ALLH	NA	NA	0.0137 (J)	—	0.0374 (J)	—	0.0236 (J)	0.039	0.0163 (J)	0.0474	NA
RE02-07-6906	02-600224	0.0–0.5	ALLH	NA	NA	0.0219 (J)	—	0.0439	—	0.0288 (J)	0.0585	0.0272 (J)	0.0579	NA
RE02-07-6909	02-600225	0.0–0.5	ALLH	NA	NA	0.019 (J)	—	0.0199 (J)	—	0.0139 (J)	0.022 (J)	—	0.0242 (J)	NA
RE02-07-6912	02-600226	0.0–0.5	ALLH	NA	NA	0.014 (J)	—	0.0174 (J)	—	0.0159 (J)	0.0252 (J)	0.0109 (J)	0.0243 (J)	NA
RE02-07-6913	02-600226	2.0–2.5	QAL	NA	NA	0.0233 (J)	0.0143 (J)	0.0279 (J)	0.0144 (J)	0.032 (J)	0.109	0.0631	0.0838	—
RE02-07-6921	02-600229	0.0–0.5	ALLH	0.0035 (J)	0.0027 (J)	—	—	—	—	—	—	—	—	NA
RE02-07-6925	02-600230	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	0.000375 (J+)
RE02-07-935	02-600219	0.0–0.5	ALLH	0.0066	0.0043	—	—	—	—	—	0.0154 (J)	—	0.0165 (J)	NA
RE02-07-936	02-600219	2.0–2.5	QAL	0.0015 (J)	—	—	—	—	—	—	—	—	—	0.000458 (J)
RE02-07-937	02-600219	2.7–3.4	QAL	—	—	—	—	—	—	—	—	—	—	0.000646 (J)

Note: All values in mg/kg.

[a] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[b] NA = Not analyzed.

[c] — = Analyte not detected.

Table F-2.4-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(d)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**na**	**2.59**	**0.2**	**2.29**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
QCT Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**440000**	**1500**	**87**	**430**
CA02-00-0281	02-01254	0.0–0.5	ALLH	0.0764 (J+)	—[e]	—	0.198	NA[f]	—	—	2.57
CA02-00-0282	02-01254	2.0–2.5	ALLH	—	—	—	—	0.0785106	—	—	—
CA02-00-0283	02-01255	0.0–0.5	ALLH	—	—	—	0.071	0.0581633	—	—	—
CA02-00-0284	02-01255	2.2–2.5	ALLH	—	0.122 (J+)	—	0.066	0.0426804	—	—	—
CA02-00-0285	02-01256	0.0–0.5	FILL	—	—	—	0.179	0.103226	—	—	—
CA02-00-0286	02-01256	2.0–2.75	FILL	—	0.0507 (J+)	—	0.101	—	—	—	—
RE02-07-926	02-600216	0.0–0.5	ALLH	—	—	—	0.076	—	—	—	—
RE02-07-929	02-600217	0.0–0.8	ALLH	—	0.389	—	0.0775	—	—	—	—
RE02-07-932	02-600218	0.0–1.3	ALLH	—	0.128	—	—	—	—	—	—
RE02-07-933	02-600218	2.0–4.0	QCT	—	—	—	—	0.0222609	—	—	—
RE02-07-934	02-600218	4.0–5.2	QCT	—	—	—	—	0.0285727	—	—	—
RE02-07-936	02-600219	2.0–2.5	QAL	—	—	—	0.0209	—	—	—	—
RE02-07-941	02-600221	0.0–1.2	ALLH	—	0.799	—	0.0493	—	—	—	—
RE02-07-944	02-600222	0.0–0.5	ALLH	—	—	—	0.0611	—	—	—	—
RE02-07-947	02-600223	0.0–0.5	ALLH	—	—	0.97	0.145	—	—	—	—
RE02-07-950	02-600224	0.0–1.3	ALLH	—	0.288	—	0.0495	—	—	—	—
RE02-07-953	02-600225	0.0–0.5	ALLH	—	—	—	0.0923	—	—	—	—
RE02-07-956	02-600226	0.0–0.5	ALLH	—	—	—	0.0614	—	—	—	—
RE02-07-957	02-600226	2.0–3.0	QAL	—	—	—	—	0.0119969	—	—	—
RE02-07-963	02-600228	2.0–2.5	QAL	—	0.721	—	—	—	—	—	—
RE02-07-964	02-600228	4.5–5.0	QAL	—	0.164	—	—	0.0123808	—	—	—
RE02-07-966	02-600229	2.0–3.1	QAL	—	—	—	—	—	2.89	—	2.86
RE02-07-967	02-600229	4.5–5.7	QCT	—	—	—	—	0.041431	—	0.185	—
RE02-07-969	02-600230	2.0–2.5	QAL	—	—	—	—	0.0247065	—	—	—
RE02-07-971	02-600231	0.0–1.0	ALLH	—	0.75	—	—	—	—	—	—
RE02-07-972	02-600231	2.0–2.5	QBT3	—	0.269	—	—	—	—	—	—
RE02-07-973	02-600231	4.5–5.5	QBT3	—	—	—	—	—	—	0.133	—

Note: All values in pCi/g.
[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.
[b] Background/fallout values are from LANL 1998, 059730.
[c] na = Not available.
[d] All values from LANL (LANL 2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.
[f] NA = Not analyzed.

Table F-2.5-1
Summary of Inorganic Chemicals above BV at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**14.7**	**21500**	**22.3**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**3.96**	**3700**	**13.5**
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**4.66**	**14500**	**11.2**
Industrial Soil Screening Levels[b]				**100000**	**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**45400**	**100000**	**800**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—[e]	—	—	—	—	—	—	—	—	—
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	2.3 (J-)	—	—	—	—	—	16	—	3400
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	—	—	—	—	—	—	—	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	—	—	—	—	—	—	—	—	1200
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	—	—	—	—	—	—	—	—	49
CA02-00-0138	02-01240	21.5–22.5	QBT3	7800 (J-)	—	—	—	—	—	—	—	—	76
RE02-07-858	02-600206	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-859	02-600206	4.5–7.5	QAL	—	—	—	—	—	12300 (J)	—	—	—	—
RE02-07-860	02-600206	9.5–12.1	QAL	—	—	—	—	0.53 (U)	—	—	—	—	—
RE02-07-861	02-600206	19.5–23.4	QBO	5260	—	1.46 (U)	—	0.486 (U)	—	7.45 (U)	—	4110	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	—	—	—	—	—	—	—	—	—	33.9
RE02-07-865	02-600207	9.5–11.4	QAL	—	—	—	—	0.538 (U)	—	34.7 (U)	—	—	—
RE02-07-866	02-600207	13.5–16.6	QBO	7940	—	1.96	32.7	0.579 (U)	—	19.7 (U)	—	7890	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	—	—	—	0.507 (U)	—	—	—	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	—	—	—	1.18	—	—	—	—	—
RE02-07-870	02-600208	9.5–11.6	QAL	—	—	—	—	0.547 (U)	—	—	—	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	13300	0.513 (UJ)	2.09	47.7	0.639 (U)	—	61.5	—	7070	—
RE02-07-873	02-600209	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-874	02-600209	4.5–6.5	QAL	—	—	—	—	0.531 (U)	—	—	—	—	—
RE02-07-875	02-600209	9.5–11.9	QAL	—	—	—	—	0.522 (U)	—	72.9 (J)	—	—	—
RE02-07-876	02-600209	14.5–17.1	QBO	9490	—	1.8 (U)	—	0.598 (U)	—	27.7 (J)	—	6000	22.3

Table F-2.5-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT3 Background Value[a]				**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
Industrial Soil Screening Levels[b]				**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**200**[f]	**1140**	**100000**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—	—	—	NA[g]	NA	—	—	—	—	51
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	—	—	NA	NA	—	—	1.97	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0138	02-01240	21.5–22.5	QBT3	—	—	—	NA	NA	0.32 (U)	—	—	—	—
RE02-07-858	02-600206	0.0–0.5	ALLH	—	—	—	—	—	1.53 (U)	—	NA	—	—
RE02-07-859	02-600206	4.5–7.5	QAL	—	—	—	1.65	0.0296	1.58 (U)	—	NA	—	49.2
RE02-07-860	02-600206	9.5–12.1	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-861	02-600206	19.5–23.4	QBO	—	—	2.11 (U)	—	—	1.46 (U)	—	NA	—	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	2.58	—	—	0.000527 (J-)	—	—	NA	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	—	0.156	—	—	—	—	—	NA	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	0.281	—	—	—	—	1.06	NA	—	—
RE02-07-866	02-600207	13.5–16.6	QBO	348	—	7.28 (U)	—	—	1.74 (U)	—	NA	8.5 (J)	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	0.384	—	1.11	—	—	—	NA	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	0.236	—	1.59	—	2.46	—	NA	—	543
RE02-07-870	02-600208	9.5–11.6	QAL	—	—	—	—	—	2.63	—	NA	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	205 (J+)	—	8.66 (U)	—	—	2.02	—	NA	4.66	45.2
RE02-07-873	02-600209	0.0–0.5	ALLH	—	—	—	2.13 (J+)	—	—	—	NA	—	59.1
RE02-07-874	02-600209	4.5–6.5	QAL	—	—	—	—	0.000869 (J-)	—	—	NA	—	—
RE02-07-875	02-600209	9.5–11.9	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-876	02-600209	14.5–17.1	QBO	293	—	7.23	—	—	0.663 (J)	—	NA	4.68 (J)	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

[g] NA = Not analyzed.

Table F-2.5-2
Summary of Organic Chemicals Detected at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**1370**	**2310**	**24400**	**23.4**	**20500**	**30900**	**252**
RE02-07-858	02-600206	0.0–0.5	ALLH	—[c]	—	—	0.023 (J)	0.0412 (J)	—	—	0.0224 (J)	0.0442	—	0.025 (J)	0.0462	NA[d]
RE02-07-859	02-600206	4.5–7.5	QAL	0.0974	0.138	—	0.0184 (J)	0.0187 (J)	—	—	0.0152 (J)	0.0271 (J)	—	0.0159 (J)	0.0244 (J)	0.00043 (J)
RE02-07-860	02-600206	9.5–12.1	QAL	0.0116	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-863	02-600207	0.0–0.5	ALLH	—	0.0216 (J)	0.0174 (J)	—	0.0153 (J)	—	0.0882 (J)	0.0109 (J)	0.0195 (J)	—	0.0123 (J)	0.0155 (J)	NA
RE02-07-864	02-600207	4.5–8.1	QAL	0.0166 (J)	0.0163 (J)	—	—	—	—	—	—	—	—	0.0106 (J)	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	0.004	—	—	—	—	—	—	—	—	—	—	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	0.0293	0.0239 (J)	0.0188 (J)	0.0269 (J)	—	—	0.0205 (J)	0.0276 (J)	—	0.0132 (J)	0.0315 (J)	NA
RE02-07-869	02-600208	4.5–6.7	QAL	0.0539	0.0249	0.021 (J)	0.0206 (J)	0.0285 (J)	—	—	0.0203 (J)	0.0442	—	0.0327 (J)	0.0288 (J)	—
RE02-07-873	02-600209	0.0–0.5	ALLH	—	0.611	—	0.101	0.0467	0.0458 (J)	—	0.0336 (J)	0.0679	0.0607	0.0328 (J)	0.0669	NA
RE02-07-874	02-600209	4.5–6.5	QAL	—	0.0032 (J)	—	—	—	—	0.11 (J)	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

Table F-2.5-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-003(e)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**4**	**3.9**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**1.93**
Industrial Screening Action Levels[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**430**
CA02-00-0132	02-01240	3.0–4.0	ALLH	—[e]	22.7	1.66	2.76	0.0357229	—	—
CA02-00-0133	02-01240	6.0–7.0	ALLH	—	2.75	—	3.38 (J-)	0.021324	—	—
CA02-00-0134	02-01240	8.5–10.0	ALLH	—	450	0.359	—	0.0778849	—	—
CA02-00-0135	02-01240	11.5–12.5	ALLH	—	1.69	—	4.58 (J-)	—	—	—
CA02-00-0136	02-01240	15.0–16.0	ALLH	—	42.4	0.169	10.2 (J-)	0.0465945	—	—
CA02-00-0137	02-01240	18.5–19.5	ALLH	—	5.1	—	0.987	0.076466	—	—
CA02-00-0138	02-01240	21.5–22.5	QBT3	0.15	—	—	—	0.0748537	2.55	2.48
RE02-07-859	02-600206	4.5–7.5	QAL	—	38.4	0.455	6.44	0.0182553	—	—
RE02-07-860	02-600206	9.5–12.1	QAL	—	2.86	—	1.2	—	—	—
RE02-07-864	02-600207	4.5–8.1	QAL	0.0376	51.6	2.9	10.4	—	—	—
RE02-07-865	02-600207	9.5–11.4	QAL	—	—	0.0598	—	0.0507753	—	—
RE02-07-868	02-600208	0.0–0.5	ALLH	—	—	—	—	0.0099606	—	—
RE02-07-869	02-600208	4.5–6.7	QAL	—	43.5	0.758	4.52	0.0170256	—	—
RE02-07-871	02-600208	14.5–16.5	QBO	—	0.82	—	—	—	—	—
RE02-07-874	02-600209	4.5–6.5	QAL	—	0.478	—	—	—	—	—

Note: All values in pCi/g.
[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.
[b] Background/fallout values are from LANL 1998, 059730.
[c] na = Not available.
[d] All values from LANL (LANL 2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.6-1
Summary of Inorganic Chemicals above BV at AOC 02-004(a

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—[e]	—	—	—	—	0.541 (U)	—	—	0.13	—	NA[f]
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	—	—	—	—	0.527 (U)	—	—	0.101 (J)	—	NA
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	—	0.545 (U)	—	—	0.0641 (J)	—	NA
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	—	—	—	0.569 (U)	—	—	0.129	—	NA
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	—	—	0.517 (U)	—	—	0.107	—	NA
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	—	0.539 (U)	—	—	—	—	NA
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	—	—	—	—	—	—	0.118	—	NA
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	—	0.515 (U)	—	—	0.084 (J)	—	NA
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	—	—	—	—	1.07	—	—	NA	—	0.576
RE02-07-1529	02-600378	9.5–12.0	QBO	4490	—	3.11	59.7	—	—	9410 (J+)	6.07	NA	—	—
RE02-07-1530	02-600378	12.0–15.0	QBO	3860	—	1.68 (J)	—	—	0.585 (U)	—	12.9	NA	4.19	—
RE02-07-1532	02-600379	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1533	02-600379	9.5–14.0	QBO	—	—	0.894 (U)	—	—	0.555 (U)	—	4.71	NA	—	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1537	02-600380	9.5–12.0	QBO	3660	—	1.14 (U)	34.4	—	5.63	—	9.4	NA	—	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	—	—	—	14.8	—	—	NA	—	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	0.574 (U)	—	—	NA	—	—
RE02-07-1542	02-600381	16.5–20.0	QBO	—	—	1.76 (U)	—	—	0.587 (U)	—	—	NA	—	—
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1545	02-600382	9.5–12.0	QBO	—	—	2.79 (U)	—	—	0.582 (U)	—	6.66	NA	—	—
RE02-07-1546	02-600382	12.5–16.0	QBO	10000	—	1.72 (U)	69.3	—	0.581 (U)	—	17.1	NA	4	—
RE02-07-1548	02-600383	0.0–0.5	ALLH	—	—	—	—	—	0.501 (U)	—	—	NA	—	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	—	—	—	—	—	7790	—	NA	—	—
RE02-07-1550	02-600383	13.0–18.5	QBO	11600	—	1.41 (U)	86	—	0.603 (U)	—	34.3	NA	5.88	—
RE02-07-1552	02-600384	0.0–0.5	ALLH	—	—	—	—	—	0.5 (U)	—	—	NA	—	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	—	—	—	—	0.561 (U)	—	—	NA	—	—
RE02-07-1554	02-600384	13.5–17.0	QBO	5110	—	0.686 (U)	—	—	0.62 (U)	—	—	NA	—	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	—	—	—	0.498 (U)	—	—	NA	—	—
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	—	0.541 (U)	—	—	NA	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	0.583 (U)	—	—	NA	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	7860	—	1.72 (U)	29	—	0.573 (U)	—	4.49	NA	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—

Table F-2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.561 (U)	—	—	NA	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	—	0.516 (U)	9010 (J)	—	NA	—	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	—	—	—	0.55 (U)	9170	—	NA	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	9820	—	1.01 (J)	36.9	—	0.561 (U)	—	3.16	NA	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	—	0.547 (U)	13200	—	NA	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	—	—	—	—	—	—	17600 (J)	—	NA	—	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	—	—	—	0.577 (U)	12300	—	NA	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	0.576 (U)	—	—	NA	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	7760	—	2.31	80.1	—	0.629 (U)	—	26.2	NA	5.31	—
RE02-07-1685	02-600414	0.0–0.5	ALLH	—	—	—	—	—	0.504 (U)	—	—	NA	—	—
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.552 (U)	—	—	NA	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	0.56 (U)	—	—	NA	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	7040	0.543 (UJ)	1.49 (J)	33.3	—	0.712 (U)	—	6.63	NA	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.559 (U)	—	19.9	NA	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	8020	—	1.01 (J)	—	—	0.605 (U)	—	3.4	NA	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	—	0.51 (U)	—	20.8	NA	—	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	0.54 (U)	—	—	NA	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	11900	—	0.908 (J)	38	—	0.611 (U)	—	8.18 (J)	NA	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	—	—	—	0.509 (U)	—	—	NA	—	0.543
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	5930	—	3.18	32.8	—	0.55 (U)	—	10.2 (J)	NA	6.68	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	—	0.536 (U)	—	—	NA	—	2.59
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	—	0.598 (U)	—	—	NA	—	—
RE02-07-1921	02-600456	14.0–19.0	QBO	6040	—	1.48 (J)	57.3 (J+)	—	0.593 (U)	—	14.4 (J)	NA	5.52	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	—	—	—	—	0.544 (U)	—	—	NA	—	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	—	—
RE02-07-1925	02-600457	14.0–19.0	QBO	15800	—	1.47 (J)	102 (J+)	1.48	0.62 (U)	—	13.1 (J)	NA	4.94	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	—	—	—	—	0.515 (U)	—	21.6	NA	—	—

Table F-2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	14500	—	1.87	30.2	—	0.603 (U)	—	4.92 (U)	NA	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	—	0.523 (U)	—	—	NA	—	1.11
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	14600	—	0.672 (J)	—	—	0.608 (U)	—	6.07 (U)	NA	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	—	0.513 (U)	—	—	NA	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	6110	—	1.8 (U)	—	—	0.6 (U)	—	4.83	NA	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	—	—	0.502 (U)	—	—	NA	—	—
RE02-07-1941	02-600461	9.5–14.0	QBO	4150	—	2.1	35.4	—	0.57 (U)	—	7.66 (J)	NA	4.05 (J)	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	—	—	—	0.517 (U)	—	24.3 (J)	NA	—	—
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	12300	—	2.23	92.8	—	0.619 (U)	—	10.4 (J)	NA	4.51 (J)	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	—	—	—	—	0.514 (U)	—	23.5	NA	—	—
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	—	0.524 (U)	—	44.9	NA	—	—
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	—	0.555 (U)	—	—	NA	—	—
RE02-07-1957	02-600465	9.5–17.0	QBO	—	0.527 (UJ)	1.24 (J)	—	—	0.662 (U)	—	14.2 (J)	NA	—	—
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	43.4 (J)	—
RE02-07-1961	02-600466	10.0–15.0	QBO	—	—	0.782 (J)	—	—	0.566 (U)	—	18.2 (J)	NA	4.93 (J)	—
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	—	—	—	0.512 (U)	—	—	NA	—	—
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	7430	—	0.966 (J)	39.5	—	0.587 (U)	—	5.34	NA	—	—
RE02-07-1967	02-600468	0.0–1.9	ALLH	—	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	—	—	—	—	—	0.521 (U)	6840 (J-)	—	NA	—	0.516
RE02-07-2586	02-600580	11.0–16.0	QBO	12800	0.512 (UJ)	2	88.3	—	0.635 (U)	—	10.1	NA	—	—
RE02-07-2589	02-600581	0.0–0.5	ALLH	—	—	—	—	—	0.531 (U)	—	—	NA	—	—
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-2591	02-600581	14.0–16.0	QBO	8790	—	1.81 (U)	—	—	0.603 (U)	—	49.3	NA	11.1	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	—	—	0.601 (U)	—	—	NA	—	0.567
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	—	0.504 (U)	—	—	NA	—	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	0.523 (U)	—	—	NA	—	—
RE02-07-2602	02-600583	15.5–20.0	QBO	5870	—	1.77 (U)	—	—	0.589 (U)	—	—	NA	—	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	—	—	0.566 (U)	—	—	NA	19.5	—
RE02-07-2606	02-600584	16.5–21.0	QBO	4410	—	2.02	—	—	0.572 (U)	—	8.62	NA	—	—

Table F-2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—	—	—	—	8.4	—	NA	NA	—	—	—
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	—	—	—	13	—	NA	NA	—	—	—
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	0.267	—	NA	NA	—	—	—
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	—	—	0.318	—	NA	NA	—	—	—
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	—	3.58	—	NA	NA	—	—	—
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	3.32	—	NA	NA	—	—	—
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	—	—	3.74	—	NA	NA	—	—	—
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	2.41	—	NA	NA	—	—	—
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	—	—	—	1.66	—	—	—	—	—	—
RE02-07-1529	02-600378	9.5–12.0	QBO	8580	15	—	505	0.28	3.76	0.996 (J)	—	0.852 (J)	10.2 (J)	—
RE02-07-1530	02-600378	12.0–15.0	QBO	7220	—	—	255	—	2.11	2.92	—	1.76 (U)	6.27 (J)	—
RE02-07-1532	02-600379	0.0–0.5	ALLH	—	—	—	—	8.2	—	—	0.000521 (J)	—	—	51.8
RE02-07-1533	02-600379	9.5–14.0	QBO	4710	—	—	244	0.448	2.04	—	—	1.67 (U)	—	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	23.8	—	—	0.135	—	2.57	—	—	—	73.1
RE02-07-1537	02-600380	9.5–12.0	QBO	4920	—	—	211	0.207	2.36	—	—	1.59 (U)	—	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	—	—	0.843	—	—	0.000674 (J)	—	—	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	—	1.02 (J)	0.000973 (J)	2.08 (U)	—	—
RE02-07-1542	02-600381	16.5–20.0	QBO	5170	—	—	207	—	—	—	—	1.42 (U)	—	—
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	1.45	—	—	—	—	—	50.4
RE02-07-1545	02-600382	9.5–12.0	QBO	8730	—	—	247	0.144	2.5	—	—	1.1 (J)	7.84	44
RE02-07-1546	02-600382	12.5–16.0	QBO	7080	—	—	276	—	—	—	—	0.64 (J)	5.53	—
RE02-07-1548	02-600383	0.0–0.5	ALLH	—	—	—	—	0.719	—	—	—	—	—	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	—	—	—	0.264	—	1.32	—	—	—	69.4
RE02-07-1550	02-600383	13.0–18.5	QBO	7080	—	—	231	—	3.09	—	—	0.888 (J)	6.71	—
RE02-07-1552	02-600384	0.0–0.5	ALLH	—	—	—	—	0.567	—	—	—	—	—	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	—	—	—	—	—	4.41	0.00254	1.68 (U)	—	—
RE02-07-1554	02-600384	13.5–17.0	QBO	4810	—	—	193	—	6.33	—	—	0.723 (J)	—	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	—	—	0.131	—	2.79	—	—	—	62.4 (J)
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	—	—	0.957 (J)	—	1.62 (U)	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	5030	—	—	199	—	—	—	—	1.72 (U)	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	0.384	—	1.52	—	1.54 (U)	—	60.6
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	1.38	—	2.17	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	0.653	—	1.78	0.000557 (J)	—	—	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	—	—	0.432	—	14.5	0.00227 (J+)	1.58 (J)	—	—

Table F-2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	3.02	—	1.88	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	5400	—	—	—	—	2.53	—	—	1.3 (J)	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	—	—	—	—	0.106	—	2.96	—	—	—	62
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	0.337 (J+)	—	3.42	—	—	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	0.131 (J+)	—	—	—	1.62 (U)	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	—	—	—	—	0.68	—	1.55	—	—	—	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	—	—	0.509	—	4.2	0.0016 (J)	1.73 (U)	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	—	—	—	1.73 (U)	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	8480	22.2	3710 (J+)	380	—	3.04	—	—	1.89 (U)	9.54	43.7
RE02-07-1685	02-600414	0.0–0.5	ALLH	—	—	—	—	0.551	—	6.1	—	—	—	51.1
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	—	3	—	1.66 (U)	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	0.927 (J)	—	1.68 (U)	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	7910	—	—	349	—	2.36	—	—	2.14 (U)	5.09	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	0.125	—	—	—	—	—	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	0.283	—	10.3	0.00119 (J)	1.73	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	1.92	—	—	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	0.164	—	—	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	5610	—	—	—	—	—	3.64	—	1.02 (J)	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	4	—	—	—	—	—	51.3
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	7330	—	—	207 (J+)	—	2.2 (J)	—	—	1.83 (U)	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	—	—	1.24	—	NA	0.000899 (J)	1.53 (U)	—	—
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	—	1.46 (J-)	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	11500	—	844 (J+)	281 (J+)	—	2.19 (J)	—	—	1.39 (J)	14.2	42.4
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	0.252	—	1.73 (J-)	0.00151 (J-)	—	—	—
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	7.22	—	1.12 (J-)	—	—	—	—
RE02-07-1921	02-600456	14.0–19.0	QBO	8070 (J)	—	—	389 (J)	0.276	3.2	—	—	1.78 (U)	8.74 (J)	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	—	—	—	7.78	—	1.15	0.000802 (J)	10	—	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	2.96	—	—	—	—	—	49.5 (J)
RE02-07-1925	02-600457	14.0–19.0	QBO	8720 (J)	—	—	198 (J)	—	6.21	—	—	1.86 (U)	6.42 (J)	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	—	—	—	0.839	—	2.6	—	9.52	—	—
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	—	—	—	—	5.72	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	6000	—	—	367	—	—	—	—	10.2	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	2.68	—	1.4	—	11.3	—	50.7
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	0.16	—	—	—	9.15	—	—

Table F-2.6-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-1933	02-600459	15.0–19.0	QBO	6530	—	—	243	—	3.27 (U)	—	—	11.4	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	1.48	—	—	—	—	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	5990 (J+)	—	—	233 (J-)	—	—	—	—	1.27 (J)	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	—	3.56	—	1.34	—	9.72	—	—
RE02-07-1941	02-600461	9.5–14.0	QBO	5620	—	—	208	0.256	2.03 (J)	—	—	7.18	5.83	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	—	—	0.407	—	—	—	10.7	—	—
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	—	—	0.311	—	—	—	9.01	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	8170	—	—	417	—	3.83 (J)	—	—	12.7	6.07	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	—	—	—	0.298	—	—	—	7.9	—	—
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	0.124	—	1.86	—	10.9	—	—
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	9.99	—	—
RE02-07-1957	02-600465	9.5–17.0	QBO	6670	—	—	211	—	3.86 (J)	1.23 (J)	—	8.33	4.84	—
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	—	—	—	0.348	—	1.16	—	9.1	—	55.3
RE02-07-1961	02-600466	10.0–15.0	QBO	5190	—	—	—	—	—	—	—	6.55	—	—
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	—	—	0.4	—	1.24	—	1.54 (U)	—	90.5
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	—	1.01 (J)	—	—	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	4540	—	—	—	—	—	—	—	1.24 (U)	—	—
RE02-07-1967	02-600468	0.0–1.9	ALLH	—	—	—	—	—	—	1.5	—	7.95	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	—	—	—	—	8.72	—	1.64	—	—	—	—
RE02-07-2586	02-600580	11.0–16.0	QBO	6700	—	—	321	0.11	—	—	—	1.9 (U)	5.02	—
RE02-07-2589	02-600581	0.0–0.5	ALLH	—	—	—	—	7.47	—	1.16	—	1.59 (U)	—	—
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	—	0.481	—	—	—	8.44	—	—
RE02-07-2591	02-600581	14.0–16.0	QBO	5850	—	—	—	—	3.78	—	—	9.19	—	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	—	0.506	—	1.29 (J-)	—	11.1	—	64.3
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	0.419	—	3.02	—	—	—	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	—	1.82	—	1.89 (U)	—	—
RE02-07-2602	02-600583	15.5–20.0	QBO	5190	—	—	—	—	—	—	—	1.3 (U)	—	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	—	43.7	—	—	0.158	—	1.43	—	10.4	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	—	—	—	—	—	9.26	—	—
RE02-07-2606	02-600584	16.5–21.0	QBO	6960	—	—	248	—	4.95 (J+)	—	—	9.12	7.39	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.6-2
Summary of Organic Chemicals Detected at AOC 02-004(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	Chloroform
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA[c]	NA	NA	—[d]	0.346	0.395	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	—	—	1.74	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	—	—	0.0052	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	—	0.105	0.0769	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	—	0.0143 (J)	0.0163 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	NA	—	—	0.659	0.439	—	—	—	—	—	—	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	—	—	2.42	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	—	—	0.003 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	—	0.0405	0.0876	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	—	—	0.0164 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	—	0.0094 (J)	0.0077 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0177 (J)	NA	0.028 (J)	—	—	2.11	0.0607	0.0693	0.102	0.0422	—	—	NA
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	0.0327	0.0577	—	—	—	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.0427	NA	0.0901	—	0.0231 (J)	0.0384	0.195	0.228	0.369	0.16	—	—	NA
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0381	NA	0.0764	—	0.093	0.213	0.181	0.206	0.351	0.156	—	—	NA
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	0.0125 (J)	—	0.0243 (J-)	0.0246 (J-)	0.0426	0.0413 (J)	0.0493 (J)	—	—	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0511	NA	0.0793	—	0.412	1.05	0.139	0.157	0.246	0.147	—	—	NA
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	0.0238 (J)	0.0296 (J-)	0.0335 (J-)	0.0314 (J-)	0.0512	0.0614 (J)	0.0644 (J)	0.0359 (J)	—	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.303	NA	0.483	—	0.358	0.839	0.807	0.899	1.37	0.43	—	—	NA
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	0.013 (J)	—	0.0247 (J-)	0.0281 (J-)	—	0.0164 (J)	0.0627 (J)	—	—	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	0.0186 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000268 (J)
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.0497	NA	0.119	—	0.255	0.514	0.327	0.379 (J)	0.648 (J)	0.224 (J)	—	—	NA
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.003 (J)	—	—	—	—	—	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	**Chloroform**
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.0269 (J)	NA	0.0599	—	—	0.0166 (J)	0.161	0.254	0.324	—	—	—	NA
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	0.0258 (J)	0.0475	—	—	0.037 (J)	—	—	—	0.000242 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	—	0.00865	—	—	—	0.0057	0.0143 (J)	0.0126 (J)	0.0127 (J)	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.0178 (J)	NA	0.027 (J)	—	0.35	0.142	0.167	0.151 (J)	0.303 (J)	—	—	—	NA
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	NA	—	—	—	0.0224 (J)	0.0683 (J)	—	—	—	—	—	NA
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	0.0867	—	0.0047	—	—	—	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	—	0.0398	—	—	—	—	—	—	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	NA	—	—	—	0.0106 (J-)	0.0278 (J)	—	0.0313 (J)	—	—	—	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	—	0.00366 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	—	NA	—	—	—	0.0731 (J)	—	0.000251 (J)	0.000318 (J)	0.00012 (J)	—	—	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	0.0219	0.0071	—	—	—	—	—	—	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	—	NA	—	—	0.248	0.229 (J)	—	—	—	—	0.0314 (J)	—	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	0.0251	0.0182 (J)	—	—	—	—	—	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	0.0152 (J)	NA	0.0187 (J)	—	0.0534	0.0743 (J)	0.119 (J)	0.178 (J)	0.191 (J)	0.0602 (J)	—	—	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.0255 (J)	—	—	—	—	—	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	NA	—	—	—	0.0088 (J-)	—	—	—	—	—	—	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	NA	0.00824 (J)	—	—	0.0078 (J)	0.064 (J)	—	—	—	—	—	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	—	—	—	—	—	0.0026 (J)	—	—	—	—	—	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	NA	0.00986 (J-)	—	0.0177	0.0193	0.0964 (J)	0.139 (J)	0.161 (J)	—	—	—	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	—	—	0.112	—	—	0.0073 (J)	0.803 (J)	0.523 (J)	0.859 (J)	0.156 (J)	—	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	—	—	0.00993 (J)	—	—	—	0.0584 (J)	—	—	—	—	—	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	—	NA	0.0115 (J)	—	0.0551 (J-)	0.0393 (J)	0.114	0.141 (J)	0.315 (J)	0.0752 (J)	—	—	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	NA	—	—	—	0.103 (J)	—	—	—	—	—	—	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	NA	—	—	—	0.0064	—	—	—	—	—	—	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	—	NA	—	—	—	0.0067 (J)	0.0439 (J)	—	0.0778 (J)	—	—	—	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Butylbenzylphthalate	**Chloroform**
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**240**	**9.59**
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	NA	—	—	0.002 (J)	0.003 (J)	—	—	0.0105 (J)	—	—	—	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	—	0.0053 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	2.47	NA	2.96	NA	NA	NA	10.7	10.3	16.7	4.77	—	0.237 (J)	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	—	NA	0.0334 (J)	NA	NA	NA	0.122	0.108	0.162	0.0618	—	—	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	0.0312 (J)	NA	0.0613	NA	NA	NA	0.422	0.361	0.609	0.182	—	—	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	—	NA	—	NA	NA	NA	0.0756	0.103	0.0771	—	0.0369 (J)	—	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	—	NA	0.023 (J)	NA	NA	NA	0.101	0.104	0.0772	—	0.038 (J)	—	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	NA	0.0104 (J)	NA	NA	NA	0.062	0.088	0.138	0.0266 (J)	—	—	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	NA	0.00735 (J)	NA	NA	NA	0.034 (J)	0.0806	0.0709	—	—	—	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	NA	NA	NA	—	—	—	—	—	—	0.000232 (J)
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	NA	NA	NA	—	—	—	—	—	—	—
RE02-07-6840	02-600378	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0291 (J)	0.0463	0.0322 (J)	0.0143 (J)	0.0217 (J)	—	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	—	NA	0.0134 (J)	NA	NA	NA	0.0295 (J)	0.0513	0.0412	—	—	—	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	0.0187 (J)	—	0.0269 (J)	NA	NA	NA	0.0583	0.0801	0.106	0.0333 (J)	—	—	—
RE02-07-6847	02-600379	10.5–11.5	QBO	—	—	0.00737 (J)	NA	NA	NA	0.0131 (J)	—	—	—	—	—	—
RE02-07-6848	02-600380	0.0–0.5	ALLH	0.0138 (J)	NA	0.0332 (J)	NA	NA	NA	0.141	0.14	0.269	0.0799 (J)	—	—	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	0.0121 (J)	—	—	—	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	0.0388	0.0809	0.0302 (J)	—	—	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	—	0.004 (J)	0.0106 (J)	NA	NA	NA	0.0483	0.0573	0.0775	0.027 (J)	—	—	—
RE02-07-6864	02-600384	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0288 (J)	0.0482	0.0673	—	—	—	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	—	—	—	NA	NA	NA	0.033 (J)	0.0443	0.035 (J)	0.0198 (J)	—	—	—

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**2310**	**1620**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	—	0.0161 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0747	—	0.101	0.0142 (J)	0.0000275	0.000018	0.00000205 (J)	—	—	—
RE02-07-1656	02-600409	4.5–9.5	QAL	—	—	—	—	0.000000805 (J)	0.00000056 (J)	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.189	—	0.373	0.0398	0.0000328	0.00000552	—	—	0.000000917 (J)	0.000000506 (J)
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.000000117 (J)	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.197	—	0.368	0.031 (J)	0.0000322	0.00000673	0.000000489 (J)	—	0.000000871 (J)	0.000000485 (J)
RE02-07-1668	02-600411	4.5–7.0	QAL	0.0423	—	0.0982	—	0.0000162	0.00000331	—	0.000000557 (J)	0.000000565 (J)	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	0.00000107 (J)	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.134	—	0.271	0.0462	0.000046	0.0000156	0.00000105 (J)	—	0.00000151 (J)	—
RE02-07-1674	02-600412	4.5–9.5	QAL	0.0624	—	0.121	0.0117 (J)	0.0000184	0.00000433	0.000000993 (J)	—	0.000000527 (J)	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	0.00000196 (J)	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.785	0.174 (J)	1.52	0.273	0.000116	0.0000424	0.00000181 (J)	—	0.00000224 (J)	—
RE02-07-1680	02-600413	4.5–9.5	QAL	0.0404	—	0.0711	—	0.0000164	0.00000358	0.000000288 (J)	0.000000226 (J)	0.000000602 (J)	0.000000465 (J)
RE02-07-1681	02-600413	9.5–14.5	QAL	0.0257 (J)	—	0.0544	—	0.000000476 (J)	0.000000178 (J)	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	0.000000754 (J)	0.000000189 (J)	—	—	—	—
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.336	—	0.583	0.046	0.000042	0.0000114	0.00000145 (J)	—	0.00000135 (J)	0.000000849 (J)

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**2310**	**1620**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	0.000000369 (J)	0.00000011 (J)	—	—	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	0.00000072 (J)	0.000000235 (J)	—	—	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.177	—	0.221	0.0264 (J)	0.0000203	0.00000591 (J)	0.00000018 (J)	—	0.000000518 (J)	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	0.0312 (J)	—	0.0000193	0.0000027 (J)	0.000000262 (J)	0.000000276 (J)	—	0.000000543 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	0.0118 (J)	—	0.023 (J)	—	0.0000124	0.00000194 (J)	—	—	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	0.00000878	0.00000142 (J)	—	—	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.148	—	0.261	0.0122 (J)	0.0000718	0.0000105	0.000000706 (J)	0.000000532 (J)	0.00000244 (J)	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	0.0000235	0.00000447	—	—	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	0.00000862	0.00000166 (J)	—	—	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	—	—	0.101	—	0.0000461	0.00000792	0.000000625 (J)	0.000000755 (J)	0.00000163 (J)	0.00000148 (J)
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	0.00000163 (J)	—	—	—	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	0.000118	0.0000256	0.0000027	0.00000376	0.00000362	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	0.0221 (J)	—	0.0399	—	NA	NA	NA	NA	NA	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1923	02-600457	0.0–0.5	ALLH	0.000201 (J)	—	0.000348 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1927	02-600458	0.0–0.5	ALLH	0.05	—	0.0917	—	NA	NA	NA	NA	NA	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1929	02-600458	15.5–19.5	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1931	02-600459	0.0–0.5	ALLH	0.145 (J)	—	0.174	—	NA	NA	NA	NA	NA	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1933	02-600459	15.0–19.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1939	02-600461	0.0–0.5	ALLH	0.0687 (J)	—	0.0723	—	NA	NA	NA	NA	NA	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1943	02-600462	0.0–0.5	ALLH	0.11 (J)	—	0.0979 (J-)	—	NA	NA	NA	NA	NA	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**2310**	**1620**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**
RE02-07-1946	02-600462	9.5–14.0	QAL	0.961 (J)	—	1.21	—	NA	NA	NA	NA	NA	NA
RE02-07-1945	02-600462	15.0–20.0	QBO	0.0564 (J)	—	0.1	—	NA	NA	NA	NA	NA	NA
RE02-07-1947	02-600463	0.0–0.5	ALLH	0.162	—	0.115	—	NA	NA	NA	NA	NA	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	0.046 (J)	—	0.0383	—	NA	NA	NA	NA	NA	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	—	—	0.0183 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1965	02-600467	10.0–12.5	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-2584	02-600580	0.0–0.5	ALLH	9.68	0.513	17.5	1.08	NA	NA	NA	NA	NA	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	0.131	—	0.213	—	NA	NA	NA	NA	NA	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	0.435	—	0.626	0.0143 (J)	NA	NA	NA	NA	NA	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	0.0829	—	0.103	—	NA	NA	NA	NA	NA	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	0.0948	—	0.202	—	NA	NA	NA	NA	NA	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	0.0669	—	0.124	—	NA	NA	NA	NA	NA	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	0.0392	—	0.0538	—	NA	NA	NA	NA	NA	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6840	02-600378	0.0–0.5	ALLH	0.0293 (J)	—	0.0451	—	NA	NA	NA	NA	NA	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	0.0286 (J)	—	0.043	—	NA	NA	NA	NA	NA	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	0.0584	—	0.105	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-6847	02-600379	10.5–11.5	QBO	—	—	0.0154 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-6848	02-600380	0.0–0.5	ALLH	0.163	—	0.334	—	NA	NA	NA	NA	NA	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	—	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	0.0393	—	0.0571	—	NA	NA	NA	NA	NA	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	0.0488	—	0.106	—	NA	NA	NA	NA	NA	NA
RE02-07-6864	02-600384	0.0–0.5	ALLH	0.033 (J)	—	0.0499	—	NA	NA	NA	NA	NA	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	0.0299 (J)	—	0.063	—	NA	NA	NA	NA	NA	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**[f]	**490**	**300**[g]	**300**	**na**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0000144	0.00000556	0.00000101 (J)	0.00000823	0.0403	NA	NA	—	—	0.000292
RE02-07-1656	02-600409	4.5–9.5	QAL	0.000000156 (J)	—	—	0.000000124 (J)	—	—	—	—	—	0.00000649
RE02-07-1657	02-600409	9.5–14.5	QAL	0.000000096 (J)	—	—	—	—	—	—	—	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.000000533 (J)	—	—	0.000000365 (J)	0.153	NA	NA	0.0172 (J)	0.0328 (J)	0.000384
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0000018 (J)	0.000000787 (J)	—	0.00000121 (J)	0.153	NA	NA	0.00986 (J)	0.017 (J)	0.000404
RE02-07-1668	02-600411	4.5–7.0	QAL	0.000000349 (J)	—	—	0.00000016 (J)	—	—	—	—	—	0.000217
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.0000122
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	0.00000209 (J)
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0000071	0.0000031	0.000000608 (J)	0.00000527	0.14	NA	NA	0.033 (J)	0.0897	0.000522
RE02-07-1674	02-600412	4.5–9.5	QAL	0.00000234 (J)	0.00000111 (J)	—	0.000000656 (J)	0.0317 (J)	—	—	—	0.014 (J)	0.000203
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	0.0000254
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.00000821	0.0000032	0.000000636 (J)	0.00000559	0.411	NA	NA	0.16	0.352	0.0022
RE02-07-1680	02-600413	4.5–9.5	QAL	0.000000552 (J)	—	—	0.000000368 (J)	—	—	—	—	—	0.000164
RE02-07-1681	02-600413	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.00000585
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	—	—	—	—	0.00000854
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.00000759	0.00000261	0.000000589 (J)	0.00000383	0.221 (J)	NA	NA	0.0251 (J)	0.0439	0.000387
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	0.00000368 (J)

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389[f]**	**490**	**300[g]**	**300**	**na**
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	0.00000837
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	0.00000159 (J)
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.000000183 (J)	—	—	0.000000165 (J)	0.213	NA	NA	0.0167 (J)	0.0446	0.000292 (J)
RE02-07-1692	02-600415	4.5–5.1	ALLH	0.00000033 (J)	—	—	0.000000234 (J)	—	—	—	—	—	0.000152 (J)
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.0006 (J)	—	—	—	0.00018
RE02-07-1696	02-600415	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	0.000102
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	0.000000553 (J)
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.00000108 (J)	0.000000543 (J)	—	0.000000675 (J)	—	NA	NA	—	—	0.000659
RE02-07-1699	02-600416	9.5–14.5	QAL	0.000000166 (J-)	—	—	—	—	—	—	—	—	0.00033
RE02-07-1701	02-600416	14.5–19.5	QBO	0.00000014 (J)	—	—	—	—	—	—	—	—	0.00011
RE02-07-1703	02-600417	0.0–0.5	ALLH	0.00000153 (J)	0.000000997 (J)	—	0.00000125 (J)	—	NA	NA	—	—	0.000441
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	0.0000272
RE02-07-1707	02-600417	13.0–15.5	QBO	0.000000648 (J)	0.000000228 (J)	—	—	—	—	—	—	—	0.00149
RE02-07-1919	02-600456	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1923	02-600457	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1927	02-600458	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1929	02-600458	15.5–19.5	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1931	02-600459	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1933	02-600459	15.0–19.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1935	02-600460	0.0–2.3	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1939	02-600461	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1943	02-600462	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	NA	NA	NA	NA	0.269 (J)	—	—	—	—	NA
RE02-07-1945	02-600462	15.0–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**[f]	**490**	**300**[g]	**300**	**na**
RE02-07-1947	02-600463	0.0–0.5	ALLH	NA	NA	NA	NA	0.0627 (J)	NA	NA	—	—	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-1965	02-600467	10.0–12.5	QBO	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-2584	02-600580	0.0–0.5	ALLH	NA	NA	NA	NA	4.28	NA	NA	0.256	0.94	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	NA	NA	NA	NA	0.0429 (J)	NA	NA	—	—	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	NA	NA	NA	NA	0.145	NA	NA	—	—	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	NA	NA	NA	NA	0.162	NA	NA	—	—	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	NA	NA	NA	NA	0.0207 (J)	NA	NA	—	—	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	NA	NA	NA	NA	—	—	—	—	—	NA
RE02-07-2602	02-600583	15.5–20.0	QBO	NA	NA	NA	NA	—	—	0.00242 (J)	—	—	NA
RE02-07-6840	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	0.0146 (J)	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	NA	NA	NA	NA	0.0269 (J)	—	—	0.0145 (J)	0.0383	NA
RE02-07-6847	02-600379	10.5–11.5	QBO	NA	NA	NA	NA	—	—	—	0.00764 (J)	0.0237 (J)	NA
RE02-07-6848	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	0.0715	NA	NA	—	—	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	0.0252 (J)	NA	NA	—	—	NA
RE02-07-6861	02-600383	9.5–10.5	QAL	NA	NA	NA	NA	0.0183 (J)	—	—	—	—	NA
RE02-07-6864	02-600384	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	—	—	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	NA	NA	NA	NA	0.0116 (J)	—	—	—	—	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200[h]**	**99.5**	**82**
RE02-07-1528	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1532	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1533	02-600379	9.5–14.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1536	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1537	02-600380	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1540	02-600381	0.0–0.5	ALLH	NA	NA	NA	NA	—	0.0147 (J)	NA	NA	NA	NA	NA
RE02-07-1544	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1545	02-600382	9.5–12.0	QBO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1548	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1549	02-600383	9.5–12.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1553	02-600384	9.5–13.0	QAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1655	02-600409	0.0–0.5	ALLH	0.0000254	—	0.00000481	0.0000272	0.0958	0.138	0.0000153	NA	9.88	NA	NA
RE02-07-1656	02-600409	4.5–9.5	QAL	0.00000119 (J)	—	0.0000000647 (J)	0.000000213 (J)	—	—	0.000000162 (J)	—	3.37 (J)	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	—	—	—	15.9	—	—
RE02-07-1659	02-600409	14.5–24.5	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	0.000016	—	—	0.000000697 (J)	0.287	0.299	—	NA	24.6	NA	NA
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	—	—	0.000569 (J)	—	—	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	0.0000184	0.000000192 (J)	0.000000552 (J)	0.00000291	0.267	0.332	0.00000185	NA	38	NA	NA
RE02-07-1668	02-600411	4.5–7.0	QAL	0.00000896	—	—	0.000000286 (J)	0.0442	0.11	0.000000196 (J)	—	23	—	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1671	02-600411	14.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1673	02-600412	0.0–0.5	ALLH	0.0000287	—	0.00000237 (J)	0.0000154	0.265	0.237	0.00000839	NA	16.5	NA	NA
RE02-07-1674	02-600412	4.5–9.5	QAL	0.0000104	—	0.000000183 (J)	0.000000869 (J)	0.0765	0.114	0.00000042 (J)	—	32.1	—	—
RE02-07-1675	02-600412	9.5–12.0	QAL	0.000000994 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1679	02-600413	0.0–0.5	ALLH	0.000183	—	0.00000218 (J)	0.0000149	1.5	1.36	0.00000773	NA	56.2	NA	NA
RE02-07-1680	02-600413	4.5–9.5	QAL	0.00000901	0.000000128 (J)	0.0000002 (J)	0.000000663 (J)	0.0519	0.0773	0.000000552 (J)	—	16.9 (J)	—	—
RE02-07-1681	02-600413	9.5–14.5	QAL	0.000000369 (J)	—	—	—	0.0661	0.0609	—	—	—	—	—
RE02-07-1683	02-600413	14.5–22.5	QBO	0.000000668 (J)	—	—	—	—	—	—	—	—	—	—

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200[h]**	**99.5**	**82**
RE02-07-1685	02-600414	0.0–0.5	ALLH	0.0000233	—	0.00000184 (J)	0.0000115	0.389	0.498	0.00000604	NA	NA	NA	NA
RE02-07-1686	02-600414	4.5–9.5	QAL	0.000000341 (J)	—	—	0.0000000642 (J)	—	—	—	—	NA	—	—
RE02-07-1687	02-600414	9.5–14.5	QAL	0.000000593 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1689	02-600414	14.5–20.0	QBO	0.000000262 (J)	—	—	—	—	—	0.000000111 (J)	—	NA	—	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	0.0000195	—	—	0.00000018 (J)	0.188	0.257	0.000000102 (J)	NA	NA	NA	NA
RE02-07-1692	02-600415	4.5–5.1	ALLH	0.0000062	0.000000154 (J)	0.0000000847 (J)	0.000000281 (J)	0.0208 (J)	0.042	—	—	NA	—	—
RE02-07-1693	02-600415	9.5–14.0	QAL	0.00000481	—	—	—	0.0211 (J)	0.0209 (J)	0.000000135 (J)	—	NA	—	—
RE02-07-1696	02-600415	14.5–16.6	QAL	0.00000502 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	—	0.000000079 (J)	—	NA	—	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	0.0000392	0.000000243 (J)	0.000000227 (J)	0.00000103 (J)	0.134	0.258	0.000000631 (J)	NA	NA	NA	NA
RE02-07-1699	02-600416	9.5–14.5	QAL	0.0000145	—	—	—	—	—	—	—	NA	—	—
RE02-07-1701	02-600416	14.5–19.5	QBO	0.00000618	—	—	—	—	—	—	—	NA	—	—
RE02-07-1703	02-600417	0.0–0.5	ALLH	0.0000171	0.000000421 (J)	0.000000611 (J)	0.00000294	0.0357 (J)	0.153	0.00000193	NA	NA	NA	NA
RE02-07-1704	02-600417	4.5–9.5	QAL	0.00000101 (J)	—	—	—	—	—	—	—	NA	—	—
RE02-07-1707	02-600417	13.0–15.5	QBO	0.0000889	—	0.00000104 (J)	0.000000445 (J)	—	—	0.000000176 (J)	—	NA	—	—
RE02-07-1919	02-600456	0.0–0.5	ALLH	NA	NA	NA	NA	0.0254 (J)	0.0385	NA	NA	8.21 (J)	NA	NA
RE02-07-1922	02-600456	10.0–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	4.65 (J)	—	—
RE02-07-1923	02-600457	0.0–0.5	ALLH	NA	NA	NA	NA	0.000179 (J)	0.000265 (J)	NA	NA	13.1 (J)	NA	NA
RE02-07-1926	02-600457	9.5–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	2.21 (J)	—	—
RE02-07-1927	02-600458	0.0–0.5	ALLH	NA	NA	NA	NA	0.0438	0.101	NA	NA	25.3 (J)	NA	NA
RE02-07-1930	02-600458	9.5–14.5	QAL	NA	NA	NA	NA	—	—	NA	—	7.31 (J)	—	—
RE02-07-1929	02-600458	15.5–19.5	QBO	NA	NA	NA	NA	—	—	NA	—	1.74 (J)	—	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	NA	NA	NA	NA	0.0668	0.249 (J)	NA	NA	18.4 (J)	NA	NA
RE02-07-1934	02-600459	9.5–14.0	QAL	NA	NA	NA	NA	—	—	NA	—	9.63 (J)	—	—
RE02-07-1933	02-600459	15.0–19.0	QBO	NA	NA	NA	NA	—	—	NA	—	2.42 (J)	—	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	NA	NA	NA	NA	0.017 (J)	—	NA	NA	454	NA	NA
RE02-07-1937	02-600460	15.5–20.0	QBO	NA	NA	NA	NA	—	—	NA	—	4.35	—	—

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-1939	02-600461	0.0–0.5	ALLH	NA	NA	NA	NA	0.0372	0.122 (J)	NA	NA	29 (J)	NA	NA
RE02-07-1941	02-600461	9.5–14.0	QBO	NA	NA	NA	NA	—	0.0157 (J)	NA	—	3.02 (J)	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	NA	NA	NA	NA	0.0326 (J-)	0.242 (J)	NA	NA	40.8 (J)	NA	NA
RE02-07-1946	02-600462	9.5–14.0	QAL	NA	NA	NA	NA	0.38	2.42 (J)	NA	0.00107 (J)	—	—	—
RE02-07-1945	02-600462	15.0–20.0	QBO	NA	NA	NA	NA	0.0591	0.155 (J)	NA	—	1.57 (J)	—	—
RE02-07-1947	02-600463	0.0–0.5	ALLH	NA	NA	NA	NA	0.0433	0.144	NA	NA	—	NA	NA
RE02-07-1951	02-600464	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	13.1 (J)	NA	NA
RE02-07-1955	02-600465	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	1.68 (J)	NA	NA
RE02-07-1959	02-600466	0.0–0.5	ALLH	NA	NA	NA	NA	—	0.0891 (J)	NA	NA	12 (J)	NA	NA
RE02-07-1963	02-600467	0.0–0.8	ALLH	NA	NA	NA	NA	—	0.0143 (J)	NA	NA	16.7 (J)	NA	NA
RE02-07-1964	02-600467	9.5–10.0	QAL	NA	NA	NA	NA	—	—	NA	0.000478 (J)	2.65 (J)	—	—
RE02-07-1965	02-600467	10.0–12.5	QBO	NA	NA	NA	NA	—	—	NA	—	3.38 (J)	—	—
RE02-07-2584	02-600580	0.0–0.5	ALLH	NA	NA	NA	NA	9.67	15.1	NA	NA	NA	NA	NA
RE02-07-2586	02-600580	11.0–16.0	QBO	NA	NA	NA	NA	0.0964	0.174	NA	NA	NA	NA	NA
RE02-07-2589	02-600581	0.0–0.5	ALLH	NA	NA	NA	NA	0.194	0.764	NA	NA	NA	NA	NA
RE02-07-2592	02-600581	9.5–13.0	QAL	NA	NA	NA	NA	0.0391	0.105	NA	NA	NA	NA	NA
RE02-07-2591	02-600581	14.0–16.0	QBO	NA	NA	NA	NA	0.0896	0.201	NA	NA	NA	NA	NA
RE02-07-2594	02-600582	0.0–0.5	ALLH	NA	NA	NA	NA	0.0557	0.119	NA	NA	NA	NA	NA
RE02-07-2599	02-600583	0.0–1.5	ALLH	NA	NA	NA	NA	0.0336 (J)	0.0584	NA	NA	NA	NA	NA
RE02-07-2601	02-600583	8.5–10.0	ALLH	NA	NA	NA	NA	—	—	NA	—	NA	0.000353 (J)	0.000839 (J)
RE02-07-2602	02-600583	15.5–20.0	QBO	NA	NA	NA	NA	—	—	NA	—	NA	—	—
RE02-07-6840	02-600378	0.0–0.5	ALLH	NA	NA	NA	NA	0.0266 (J)	0.0497	NA	NA	NA	NA	NA
RE02-07-6844	02-600379	0.0–0.5	ALLH	NA	NA	NA	NA	0.0454	0.0573	NA	NA	NA	NA	NA
RE02-07-6845	02-600379	9.5–10.5	QAL	NA	NA	NA	NA	0.0923	0.108	NA	—	NA	—	—
RE02-07-6847	02-600379	10.5–11.5	QBO	NA	NA	NA	NA	0.0247 (J)	0.0172 (J)	NA	—	NA	—	—
RE02-07-6848	02-600380	0.0–0.5	ALLH	NA	NA	NA	NA	0.144	0.31	NA	NA	NA	NA	NA
RE02-07-6856	02-600382	0.0–0.5	ALLH	NA	NA	NA	NA	—	—	NA	NA	NA	NA	NA
RE02-07-6860	02-600383	0.0–0.5	ALLH	NA	NA	NA	NA	0.0272 (J)	0.0525	NA	NA	NA	NA	NA

Table F-2.6-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**20500**	**30900**	**na**	**252**	**200**[h]	**99.5**	**82**
RE02-07-6861	02-600383	9.5–10.5	QAL	NA	NA	NA	NA	0.047	0.104	NA	—	NA	—	—
RE02-07-6864	02-600384	0.0–0.5	ALLH	NA	NA	NA	NA	0.0238 (J)	0.0579	NA	NA	NA	NA	NA
RE02-07-6865	02-600384	9.5–10.5	QAL	NA	NA	NA	NA	0.0304 (J)	0.0577	NA	—	NA	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] NA = Not analyzed.

[d] — = Analyte not detected.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

[g] Naphthalene used as a surrogate.

[h] Value from NMED (NMED 2006, 094614).

Table F-2.6-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-03-51840	02-22359	9.0–9.5	ALLH	—[e]	0.0461	4.29	—	—	19.2	—
RE02-03-51841	02-22359	10.5–11.0	ALLH	—	0.0241	1.52	0.034	—	20	—
RE02-03-51860	02-22369	9.0–9.5	ALLH	—	—	—	—	—	0.897	—
RE02-03-51861	02-22369	10.5–11.03	ALLH	—	—	0.0822	0.0426	—	5.4	—
RE02-03-51862	02-22370	8.0–8.5	ALLH	—	—	—	0.0447	—	4.28	—
RE02-03-51863	02-22370	9.5–10.0	ALLH	—	—	—	—	—	4.58	—
RE02-03-51864	02-22371	9.0–9.5	ALLH	—	—	1.75	—	—	1.87	—
RE02-03-51865	02-22371	10.5–11.0	ALLH	—	—	—	—	—	1.69	—
RE02-07-1528	02-600378	0.0–0.5	ALLH	—	2.97	—	0.0855 (J-)	—	0.00649711	—
RE02-07-1529	02-600378	9.5–12.0	QBO	—	0.263	—	—	—	0.311517	—
RE02-07-1533	02-600379	9.5–14.0	QBO	—	—	—	—	—	0.358994	—
RE02-07-1536	02-600380	0.0–0.5	ALLH	—	—	—	0.0609 (J-)	—	0.0144918	—
RE02-07-1537	02-600380	9.5–12.0	QBO	—	0.378	—	—	—	0.0771247	—
RE02-07-1540	02-600381	0.0–0.5	ALLH	—	4.76	—	—	1.61	0.0261236	—
RE02-07-1541	02-600381	7.0–10.0	QAL	—	—	—	—	—	0.394286	—
RE02-07-1542	02-600381	16.5–20.0	QBO	—	—	—	—	—	0.0517562	0.286
RE02-07-1544	02-600382	0.0–0.5	ALLH	—	—	—	—	—	0.0102681	—
RE02-07-1545	02-600382	9.5–12.0	QBO	—	—	—	—	—	0.11326	—
RE02-07-1549	02-600383	9.5–12.0	QAL	—	0.552	—	—	—	0.110905	—
RE02-07-1553	02-600384	9.5–13.0	QAL	—	0.253	—	—	—	0.0954164	—
RE02-07-1554	02-600384	13.5–17.0	QBO	—	—	—	—	—	0.0666584	—
RE02-07-1655	02-600409	0.0–0.5	ALLH	—	—	0.872	—	—	—	—
RE02-07-1657	02-600409	9.5–14.5	QAL	—	—	—	—	—	0.20381	—
RE02-07-1661	02-600410	0.0–0.5	ALLH	—	—	—	—	—	0.017688	—
RE02-07-1662	02-600410	4.5–9.5	QAL	—	—	—	—	—	0.101121	—
RE02-07-1667	02-600411	0.0–0.5	ALLH	—	—	—	—	—	0.0298578	—
RE02-07-1668	02-600411	4.5–7.0	QAL	—	—	2.01	—	—	0.867054	—
RE02-07-1669	02-600411	9.5–14.5	QAL	—	—	—	—	—	0.376188	—
RE02-07-1674	02-600412	4.5–9.5	QAL	—	—	—	—	—	0.439091	—
RE02-07-1675	02-600412	9.5–12.0	QAL	—	—	—	—	—	0.0344831	—
RE02-07-1680	02-600413	4.5–9.5	QAL	—	—	2.7	—	—	0.518501	—
RE02-07-1683	02-600413	14.5–22.5	QBO	—	—	—	—	—	0.0708587	—
RE02-07-1686	02-600414	4.5–9.5	QAL	—	—	—	—	—	0.283677	—
RE02-07-1687	02-600414	9.5–14.5	QAL	—	—	—	—	—	0.1762	—

Table F-2.6-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-07-1689	02-600414	14.5–20.0	QBO	—	—	—	—	—	0.109635	—
RE02-07-1691	02-600415	0.0–0.5	ALLH	—	—	—	—	—	0.0375676	—
RE02-07-1692	02-600415	4.5–5.1	ALLH	—	—	—	—	—	0.321476	—
RE02-07-1695	02-600415	19.5–21.7	QBO	—	—	—	—	—	0.0842927	—
RE02-07-1693	02-600415	9.5–14.0	QAL	—	—	—	—	—	0.166274	—
RE02-07-1697	02-600416	0.0–0.5	ALLH	—	—	—	—	—	0.00968911	—
RE02-07-1699	02-600416	9.5–14.5	QAL	—	—	—	—	—	0.0256196	—
RE02-07-1701	02-600416	14.5–19.5	QBO	—	—	—	—	—	0.0623223	—
RE02-07-1704	02-600417	4.5–9.5	QAL	—	—	—	0.0577	—	0.0323971	—
RE02-07-1707	02-600417	13.0–15.5	QBO	—	—	—	—	—	—	0.211
RE02-07-1919	02-600456	0.0–0.5	ALLH	—	—	—	—	—	0.0330946	—
RE02-07-1922	02-600456	10.0–14.0	QAL	—	—	—	—	—	0.406077	—
RE02-07-1926	02-600457	9.5–14.0	QAL	—	—	—	—	—	0.0894932	—
RE02-07-1925	02-600457	14.0–19.0	QBO	—	—	—	—	—	0.0711927	—
RE02-07-1931	02-600459	0.0–0.5	ALLH	—	—	—	—	—	0.022959	—
RE02-07-1934	02-600459	9.5–14.0	QAL	—	—	—	—	—	0.0421229	—
RE02-07-1935	02-600460	0.0–2.3	ALLH	—	—	—	0.0299	—	—	—
RE02-07-1937	02-600460	15.5–20.0	QBO	—	—	—	—	—	—	0.197
RE02-07-1939	02-600461	0.0–0.5	ALLH	—	—	—	0.0636	—	—	—
RE02-07-1943	02-600462	0.0–0.5	ALLH	—	—	2.86	—	—	—	—
RE02-07-1964	02-600467	9.5–10.0	QAL	—	—	—	—	—	0.0605579	—
RE02-07-1965	02-600467	10.0–12.5	QBO	—	—	—	—	—	—	0.2
RE02-07-2592	02-600581	9.5–13.0	QAL	—	—	—	0.0512	—	—	—
RE02-07-2594	02-600582	0.0–0.5	ALLH	—	—	—	0.806	—	—	—
RE02-07-2599	02-600583	0.0–1.5	ALLH	—	—	—	—	—	0.0188167	—
RE02-07-2601	02-600583	8.5–10.0	ALLH	—	—	—	—	—	0.0520148	—
RE02-07-2602	02-600583	15.5–20.0	QBO	—	—	—	—	—	0.0411766	—
RE02-07-2604	02-600584	1.5–3.3	ALLH	0.0532	0.956	—	2.44	—	—	—
RE02-07-2605	02-600584	9.5–11.7	QAL	—	—	—	0.0688	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.7-1
Summary of Inorganic Chemicals above BV at AOCs 02-004(b, c, and d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cyanide (Total)	Iron	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**0.5**	**21500**	**671**	**15.4**	**na[b]**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**0.5**	**3700**	**189**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**13700**	**100000**	**48400**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2222	02-600508	0.0–0.5	ALLH	—[e]	—	—	—	0.525 (U)	—	—	0.54	—	—	—	1.92	0.000992 (J)	1.57 (U)	—	—
RE02-07-2224	02-600508	13.0–15.0	QBO	13700	—	1.42 (J)	65.8	0.637 (U)	—	5.68	—	8090	322	2.57	—	—	0.662 (J)	4.88 (J)	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	—	—	—	—	—	—	34.4 (J)	—	—	—	—	1.98	0.000912 (J)	1.55 (U)	—	158
RE02-07-2228	02-600509	9.5–15.0	QBO	8160	—	1.71 (J)	26.4	0.604 (U)	—	5.2	—	7210	198	2.09	—	—	0.781 (J)	4.61 (J)	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	—	—	—	0.492 (U)	—	20.3 (J)	—	—	—	—	5.15	0.00168 (J)	—	—	64.9
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	—	—	—	—	20 (J)	—	—	—	—	6.47	—	—	—	56.5
RE02-07-2237	02-600511	14.0–19.0	QBO	9960	—	1.22 (J)	32.1	0.604 (U)	—	13	—	7240	340	2.02	—	—	0.663 (J)	4.79 (J)	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	—	—	0.502 (U)	7960 (J+)	37.3	—	—	—	—	1.64	0.00149 (J)	—	—	98.2
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	—	—	—	—	—	—	—	—	—	17.3 (J-)	0.00216 (J-)	—	—	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	8.04	0.000719 (J)	—	—	56.2
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	—	—	0.5 (U)	—	—	—	—	—	—	1.41	—	—	—	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	—	—	—	—	—	—	—	—	—	1.02 (J-)	—	1.61 (U)	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	7720	—	0.721 (J)	—	—	—	—	—	5810	208	—	—	—	1.78 (U)	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	—	—	—	—	—	1.75 (J-)	—	1.53 (U)	—	49.3
RE02-07-2435	02-600545	9.5–14.3	QAL	—	—	—	—	0.548 (U)	—	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	10500 (J)	0.525 (UJ)	1.95 (U)	—	0.649 (U)	—	3.77 (J)	—	5280 (J)	—	—	—	—	1.95 (U)	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	3.02	0.000599 (J)	—	—	—
RE02-07-2439	02-600546	9.5–11.0	QAL	—	—	—	—	0.548 (U)	—	24.5	—	—	733	—	3.32	—	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.7-2
Summary of Organic Chemicals Detected at AOCs 02-004(b, c, and d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene	Dibenzofuran	Fluoranthene	Fluorene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**	**1620**	**24400**	**26500**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.0265 (J)	0.0415	—[c]	0.197	0.431	0.108	0.108 (J)	0.213 (J)	—	—	0.107	—	0.22	0.0233 (J)
RE02-07-2224	02-600508	13.0–15.0	QBO	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.0291 (J)	0.0396	—	0.0802 (J-)	0.152 (J-)	0.102	0.0927	0.184	—	—	0.0941	—	0.207	0.0247 (J)
RE02-07-2228	02-600509	9.5–15.0	QBO	—	—	—	—	0.0025 (J-)	—	—	—	—	—	—	—	—	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	0.037	—	0.0733	0.0423	0.241	0.253	0.421	0.195	—	0.251	—	0.384	—
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	—	0.0482	0.023 (J+)	0.0172 (J)	—	0.0282 (J)	—	—	0.0167 (J)	—	0.0319 (J)	—
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	—	0.172	0.378	0.0234 (J)	—	—	—	—	0.0149 (J)	—	0.0294 (J)	—
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	—	—	0.0275	—	—	—	—	—	—	—	—	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	0.0143 (J)	—	0.0192	0.0219	0.06	0.0514	0.0971	0.0875	—	0.0538	—	0.12	—
RE02-07-2325	02-600527	9.5–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	—	0.0075	0.0092	0.0194 (J)	—	—	—	—	0.0211 (J)	—	0.0423	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.231	0.301	—	—	0.242	0.351	0.411	0.537	0.285 (J)	—	0.369	0.163 (J)	0.818	0.254
RE02-07-2435	02-600545	9.5–14.3	QAL	—	0.0166 (J)	—	—	0.0019 (J)	0.0595	0.049	0.085	—	—	0.0624	—	0.116	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	0.306	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	0.0105 (J)	—	—	0.0241 (J)	0.0562	0.112	0.0741	0.0505 (J)	—	0.0499	—	0.105	—
RE02-07-2439	02-600546	9.5–11.0	QAL	—	0.0152 (J)	—	0.0149	0.0142	0.0354 (J)	0.0221 (J)	0.0233 (J)	0.0142 (J)	0.0186 (J)	0.0238 (J)	—	0.0645	—

Table F-2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene
Industrial Soil Screening Levels[b]				**na**[d]	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**23.4**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.00228	0.000112 (J)	0.00000868	0.0000056	0.0000236	0.0000131	0.00000864	0.00000542	0.000000959 (J)	0.00000763	—
RE02-07-2224	02-600508	13.0–15.0	QBO	0.0000217	0.00000109 (J)	—	—	0.00000022 (J)	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.00651	0.00027 (J)	0.0000215	0.0000139	0.000078	0.000033	0.00000988	0.00000805	0.00000142 (J)	0.0000115	0.107
RE02-07-2228	02-600509	9.5–15.0	QBO	0.00000522	0.00000104 (J)	—	—	0.000000212 (J)	—	0.000000105 (J)	0.0000000382 (J)	—	0.0000000508 (J)	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	0.000815	0.0000541 (J)	0.00000425	0.00000361	0.0000133	0.00000746	0.00000229 (J)	0.00000183 (J)	0.000000466 (J)	0.00000223 (J)	0.175
RE02-07-2234	02-600511	0.0–0.5	ALLH	0.00356	0.000165 (J)	0.0000121	0.00000623	0.0000363	0.0000155	0.00000393	0.00000222 (J)	0.000000566 (J)	0.00000359	—
RE02-07-2237	02-600511	14.0–19.0	QBO	0.000000638 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	0.0012	0.000162	0.0000205 (J)	0.00000575	0.00003	0.0000133	0.0000058	0.00000527	0.00000112 (J)	0.00000744	—
RE02-07-2321	02-600526	9.5–12.0	QAL	0.000244	0.0000284	0.00000296	0.00000137 (J)	0.00000548	0.00000304	0.00000104 (J)	0.00000109 (J)	—	0.00000123 (J)	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	0.000959	0.0000704	0.00000659	0.00000334	0.0000143	0.00000729	0.0000023 (J)	0.00000159 (J)	0.000000388 (J)	0.00000232 (J)	0.0842
RE02-07-2325	02-600527	9.5–14.0	QAL	—	0.000000196 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	0.000355	0.0000228	0.00000198 (J)	0.00000128 (J)	0.00000508	0.00000339	0.000000841 (J)	0.00000074 (J)	0.000000176 (J)	0.000000927 (J)	—
RE02-07-2329	02-600528	9.5–17.3	QAL	0.00000114 (J)	0.000000324 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	0.000000244 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.00122	0.00011	0.0000132	0.00000502	0.0000222	0.0000114	0.00000603	0.00000468	0.000000856 (J)	0.00000641	0.263
RE02-07-2435	02-600545	9.5–14.3	QAL	0.00000197 (J)	0.000000759 (J)	—	—	—	—	—	—	—	—	0.0258 (J)
RE02-07-2437	02-600545	14.3–18.5	QBO	0.00000172 (J)	0.000000384 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	0.000197	0.0000215	—	0.00000157 (J)	0.00000437	0.00000308	—	0.000000737 (J)	—	0.00000101 (J)	0.0665
RE02-07-2439	02-600546	9.5–11.0	QAL	0.00000133 (J)	0.000000793 (J)	—	—	—	—	—	—	—	—	0.0127 (J)

Table F-2.7-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]
Industrial Soil Screening Levels[b]				**300**[e]	**300**	**na**	**na**	**na**	**na**	**na**	**20500**	**30900**	**0.00018**[f]	**na**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.00703 (J)	0.017 (J)	0.0234	0.000378	0.00000222 (J)	0.00000217 (J)	0.0000136	0.164	0.273	0.000000348 (J)	0.00000761
RE02-07-2224	02-600508	13.0–15.0	QBO	—	—	0.000153	0.00000344 (J)	—	—	—	—	—	—	—
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.00916 (J)	0.018 (J)	0.0494	0.000859	0.00000483	0.00000146 (J)	0.00000701	0.175	0.185	0.000000633	0.00000337
RE02-07-2228	02-600509	9.5–15.0	QBO	—	—	0.0000578	0.00000323 (J)	—	—	0.000000072 (J)	—	—	—	0.0000000472 (J)
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	—	0.00766	0.000167	0.00000117 (J)	0.000000359 (J)	0.00000105 (J)	0.107	0.416	—	0.000000774 (J)
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	—	0.0444	0.000745	0.0000021 (J)	0.00000024 (J)	0.000000672 (J)	0.0145 (J)	0.0266 (J)	0.000000286 (J)	0.000000447 (J)
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	0.00000681	—	—	—	—	—	—	—	—
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	0.0123	0.000539	0.00000226 (J)	0.00000099 (J)	0.00000445	0.0141 (J)	0.0275 (J)	—	0.00000217
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	0.00238	0.0000769 (J)	—	—	—	—	—	—	0.000000156 (J)
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	—	0.0114	0.000325	0.00000112 (J)	—	—	0.061	0.0904	0.00000018 (J)	0.000000305 (J)
RE02-07-2325	02-600527	9.5–14.0	QAL	—	—	0.00000283 (J)	—	—	—	—	—	—	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	—	0.00274	0.0000834	0.000000602 (J)	—	—	0.0321 (J)	0.0371	—	—
RE02-07-2329	02-600528	9.5–17.3	QAL	—	—	0.000011	—	—	—	—	—	—	—	—
RE02-07-2330	02-600528	17.4–23.0	QBO	—	—	0.00000171 (J)	—	—	—	—	—	—	—	—
RE02-07-2434	02-600545	0.0–0.5	ALLH	0.156	0.551	0.00984	0.000324	0.00000172 (J)	0.00000103 (J)	0.00000622	1.21	0.904	—	0.00000328
RE02-07-2435	02-600545	9.5–14.3	QAL	—	—	0.0000181	0.00000156 (J)	—	—	—	0.0699	0.111	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	0.00002	0.00000143 (J)	—	—	—	—	—	—	—
RE02-07-2438	02-600546	0.0–0.5	ALLH	—	—	0.00182	0.0000838	—	—	—	0.0435	0.0991	—	0.000000304 (J)
RE02-07-2439	02-600546	9.5–11.0	QAL	—	—	0.0000119	0.00000153 (J)	—	—	—	0.0527	0.0509	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] na = Not available.

[e] Naphthalene used as a surrogate.

[f] EPA Region 6 (EPA 2007, 095866).

Table F-2.7-3
Summary of Radionuclides Detected or Detected above BV/FV at AOCs 02-004(b, c, and d)

Sample ID	Location ID	Depth (ft)	Media	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**na[c]**	**0.054**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**5.1**	**210**	**440000**	**87**
RE02-07-2222	02-600508	0.0–0.5	ALLH	0.806	0.164	0.0166164	—[e]
RE02-07-2226	02-600509	0.0–0.5	ALLH	0.884	0.149	0.0165105	—
RE02-07-2230	02-600510	0.0–0.5	ALLH	—	0.756	—	—
RE02-07-2234	02-600511	0.0–0.5	ALLH	—	0.197	0.0102305	—
RE02-07-2237	02-600511	14.0–19.0	QBO	—	—	—	0.207
RE02-07-2320	02-600526	0.0–0.5	ALLH	—	—	0.00837898	—
RE02-07-2321	02-600526	9.5–12.0	QAL	—	—	0.915975	—
RE02-07-2324	02-600527	0.0–0.5	ALLH	—	0.0761	—	—
RE02-07-2328	02-600528	0.0–0.5	ALLH	—	0.0705	—	—
RE02-07-2437	02-600545	14.3–18.5	QBO	—	—	—	0.251
RE02-07-2439	02-600546	9.5–11.0	QAL	NA[f]	NA	0.0417753	NA

Note: All values in pCi/g.
[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.
[b] Background/fallout values are from LANL 1998, 059730.
[c] na = Not available.
[d] All values from LANL (LANL 2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.
[f] NA = Not analyzed.

Table F-2.8-1
Summary of Inorganic Chemicals above BV at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na[b]**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**5000[d]**	**45400**	**100000**	**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—[e]	—	—	—	29	—	—	—	—	—	—	—	—	0.000929 (J)	—	—	65.8
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	0.529 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2392	02-600537	15.0–19.5	QBO	9700	2.28	30.9	0.591 (U)	14.2	4.36	9850	26.5	988 (J+)	399	—	—	—	—	2.51	8.86	41.8
RE02-07-2394	02-600538	0.0–0.5	ALLH	—	—	—	—	31.6	—	—	—	—	—	—	—	1.31 (J-)	0.00162 (J)	—	—	73.9
RE02-07-2396	02-600538	14.5–16.0	QBO	8030	1.35 (J)	—	0.587 (U)	11.6 (U)	—	5800	—	—	258	—	2.14 (U)	—	—	1.76 (U)	4.85	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	—	—	—	66.2 (U)	19	—	23.2	—	—	1.2	—	3.44	0.000536 (J)	—	—	120
RE02-07-2399	02-600539	9.5–12.8	QAL	—	—	—	0.573 (U)	33.4 (U)	—	—	—	—	—	—	—	—	—	1.72 (U)	—	—
RE02-07-2400	02-600539	12.8–17.5	QBO	9150	1.32 (J)	28.9 (J+)	0.602 (U)	13.7 (U)	—	5840 (J+)	—	—	209	—	3.26 (U)	—	—	1.72 (J)	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.8-2
Summary of Organic Chemicals Detected at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chrysene	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**2310**	**24400**	**26500**	**na[c]**	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—[d]	—	—	0.18	0.0211 (J)	0.0261 (J)	0.033 (J)	—	0.02 (J)	0.0274 (J)	—	0.00202	0.000328
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	0.0033 (J)	—	—	—	—	—	—	—	0.00000234 (J)	0.000000842 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.000000283 (J)	0.0000000965 (J)
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0202 (J)	0.0405	—	0.00455	0.139	0.122 (J)	0.204 (J)	0.0618 (J)	0.14	0.278	0.016 (J)	0.00175	0.000187
RE02-07-2396	02-600538	14.5–16.0	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00000827	0.000000823 (J)
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.00721 (J)	0.0736	0.107	0.0378	0.0419 (J)	0.0464 (J)	—	0.0306 (J)	0.0568	—	0.00314	0.000471
RE02-07-2399	02-600539	9.5–12.8	QAL	—	—	—	0.0024 (J)	—	—	—	—	—	—	—	0.000115	0.0000192
RE02-07-2400	02-600539	12.8–17.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00000964	0.00000158 (J)

Table F-2.8-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	0.0000292	0.00000764	0.000047	0.0000173	0.0000103	0.00000726	0.00000215 (J)	0.00000995
RE02-07-2391	02-600537	9.5–14.5	QAL	—	—	—	—	0.000000084 (J)	—	—	0.0000000642 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	—	—	—	0.0000000293 (J)	—	—	—
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0000169	0.00000878	0.0000336	0.0000186	0.00000833	0.00000681	0.00000152 (J)	0.00000855
RE02-07-2396	02-600538	14.5–16.0	QBO	—	—	0.000000154 (J)	—	0.0000000627 (J)	—	—	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	0.0000499	0.0000183	0.0000869	0.0000417	0.0000155	0.0000161	0.00000341	0.0000213
RE02-07-2399	02-600539	9.5–12.8	QAL	0.00000151 (J)	0.000000375 (J)	0.00000356	0.000000621 (J)	0.000000335 (J)	0.000000168 (J)	—	0.000000427 (J)
RE02-07-2400	02-600539	12.8–17.5	QBO	0.000000116 (J)	0.0000000639 (J)	0.000000296 (J)	—	—	—	—	—

Table F-2.8-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]
Industrial Soil Screening Levels[b]				**23.4**	**na**	**na**	**na**	**na**	**na**	**20500**	**30900**	**0.00018**[e]	**na**
RE02-07-2390	02-600537	0.0–0.5	ALLH	—	0.0193	0.00126	0.00000278	0.00000144 (J)	0.00000641	0.0171 (J)	0.0328 (J)	—	0.00000339
RE02-07-2391	02-600537	9.5–14.5	QAL	—	0.0000257	0.00000116 (J)	—	—	0.0000000774 (J)	—	—	—	0.0000000594 (J)
RE02-07-2392	02-600537	15.0–19.5	QBO	—	0.00000176 (J)	—	—	—	—	—	—	—	—
RE02-07-2394	02-600538	0.0–0.5	ALLH	0.0486 (J)	0.0151 (J-)	0.000567	0.00000336	0.00000146 (J)	0.00000582	0.202	0.327	0.000000491 (J)	0.00000282
RE02-07-2396	02-600538	14.5–16.0	QBO	—	0.000074	0.00000202 (J)	—	—	—	—	—	—	—
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.0285	0.00133	0.00000806	0.00000254	0.00000864	0.0361	0.0794	0.00000105	0.0000047
RE02-07-2399	02-600539	9.5–12.8	QAL	—	0.00109	0.0000811	—	—	—	—	—	—	—
RE02-07-2400	02-600539	12.8–17.5	QBO	—	0.000106	0.00000544	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] — = Analyte not detected.

[e] EPA Region 6 (EPA 2007, 095866).

Table F-2.8-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(e)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054[b]**	**na[c]**
Industrial Screening Action Levels[d]				**23**	**210**	**440000**
RE02-07-2391	02-600537	9.5–14.5	QAL	—[e]	—	0.0668511
RE02-07-2394	02-600538	0.0–0.5	ALLH	—	0.0829	0.0110539
RE02-07-2398	02-600539	0.0–0.5	ALLH	—	0.392	—
RE02-07-2399	02-600539	9.5–12.8	QAL	0.128	0.0546	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.9-1
Summary of Inorganic Chemicals above BV at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	0.122	—	NA[f]
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	—	0.528 (U)	—	—	—	—	NA
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	—	—	—	0.718	—	—	0.217	61.4	NA
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	—	—	—	0.176	—	NA
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	0.327	—	NA
RE02-03-51879	02-22378	1.5–2.0	ALLH	—	—	—	—	0.536 (U)	—	—	—	—	NA
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	0.0666 (J)	—	NA
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	0.545 (U)	—	—	0.0806 (J)	—	NA
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	0.518 (U)	—	—	NA	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	11500	—	1.15 (J)	40.5	0.594 (U)	—	—	NA	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	—	—	—	—	—	—	29.4	NA	20.1	—
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	—	—	0.505 (U)	—	—	NA	—	—
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	8860	—	1.75 (U)	41.5 (J+)	0.585 (U)	—	20.2 (U)	NA	4	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	—	—	—	0.496 (U)	—	—	NA	—	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	0.537 (U)	—	—	NA	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	10500	—	1.66 (U)	38 (J+)	0.552 (U)	—	2.99 (J)	NA	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	—	NA	—	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	80.3	NA	19.5	—
RE02-07-2007	02-600473	13.0–18.0	QBO	9220	—	1.65 (J)	71	—	—	13.7 (U)	NA	4.69	—
RE02-07-2008	02-600473	18.0–23.0	QBO	6170	0.575 (UJ)	0.776 (J)	—	0.723 (U)	—	3.8 (U)	NA	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	0.524 (U)	—	—	NA	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	10100	—	1.43 (J)	77.3	0.586 (U)	—	13.3	NA	148	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2015	02-600475	16.0–18.5	QBO	13000 (J+)	—	1.71 (U)	48.7 (J+)	0.572 (U)	—	4.32	NA	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.544 (U)	—	—	NA	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	5210	—	1.75 (U)	—	0.583 (U)	—	9.87 (U)	NA	8.87 (U)	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	—	—	—	24.7	NA	—	—

Table F-2.9-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.527 (U)	—	—	NA	27.3 (U)	—
RE02-07-2023	02-600477	23.0–25.0	QBO	7030	0.518 (UJ)	1.93 (U)	—	0.643 (U)	—	8.89 (U)	NA	16.9 (U)	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	0.548 (U)	—	—	NA	—	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.535 (U)	—	—	NA	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	12800 (J+)	—	0.835 (J)	109	0.6 (U)	—	5.02 (U)	NA	4.36 (U)	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	37	NA	—	—
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	0.664	—	29.2	NA	85.9	—
RE02-07-2031	02-600479	12.6–16.5	QBO	5950	—	1.31 (J)	38 (J+)	—	—	10.2	NA	10.6 (J)	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	—	0.509 (U)	—	23.5	NA	—	—
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	—	32.1	NA	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	8460 (J+)	—	1.36 (J)	36.7	0.598 (U)	—	22.7 (U)	NA	116	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	0.512 (U)	—	—	NA	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	10100	—	1.04 (J)	40.8	0.583 (U)	—	4.21 (U)	NA	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	—	—	0.494 (U)	—	—	NA	—	—
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	0.558 (U)	—	—	NA	—	—
RE02-07-2521	02-600565	16.0–21.0	QBO	9640	—	1.81	33.3	0.57 (U)	—	7 (U)	NA	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2525	02-600566	14.5–20.0	QBO	7740	—	2.35	51.1	0.562 (U)	—	7.07 (U)	NA	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	—	—	—	0.464 (J)	7520	162 (J)	NA	50.9	—
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	NA	—	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	0.525 (U)	—	—	NA	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	5270	—	0.716 (J)	—	0.57 (U)	—	12.9	NA	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	—	—	0.524 (U)	—	—	NA	—	1.06
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	0.507 (U)	—	—	NA	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	—	—	—	0.505 (U)	—	—	NA	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	0.532 (U)	—	—	NA	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	4650	—	1.41 (J)	30.9	0.55 (U)	—	13.2 (U)	NA	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	—	0.528 (U)	—	—	NA	—	—
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	0.547 (U)	—	19.5 (J)	NA	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	7140	—	1.04 (J)	40.7	0.605 (U)	—	11.4 (J)	NA	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	—	—	0.494 (U)	—	—	NA	—	—
RE02-07-2548	02-600572	9.5–11.7	QAL	—	—	—	—	0.516 (U)	—	50.9 (J)	NA	—	—
RE02-07-2549	02-600572	19.5–21.7	QBO	8870	—	1.32 (J)	44.8	0.588 (U)	—	13.7	NA	—	—

Table F-2.9-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—	—	—	—	—	NA[f]	NA	—	—	—
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	1.19	—	NA	NA	—	—	—
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	45.6	—	—	—	NA	NA	—	—	270
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51879	02-22378	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	—	—	—
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	0.234 (J+)	—	2.21	—	1.55 (U)	—	63.4
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	1.43	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	4880	—	—	—	—	—	—	0.954 (J)	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	—	—	—	0.191 (J+)	—	—	—	—	—	53.5
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	—	1.65	—	—	—	—
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	—	—	—	2.84	0.000724 (J)	—	—	99.3
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	1.41	0.00237	1.53 (U)	—	65
RE02-07-1999	02-600471	18.0–25.0	QBO	5100	—	—	—	2.04 (U)	—	—	1.75 (U)	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	—	—	—	—	1.18	—	—	—	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	4790	—	—	—	—	—	—	1.66 (U)	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	—	—	—	—	9.16	0.00327	—	—	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	2.18 (J-)	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	5650	—	364	—	3.55 (U)	—	—	1.7 (U)	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	4250	—	—	—	—	—	—	2.17 (U)	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	0.559	—	1.59	—	1.54 (U)	—	238 (J)
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	0.101	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	6000	15.8	303	—	6.36	—	—	0.912 (J)	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	1.64	—	1.34	—	—	—	57.3 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	1.82	—	—	—	—	—	76.3
RE02-07-2015	02-600475	16.0–18.5	QBO	5080	—	216 (J+)	—	2.2	1.41 (J-)	0.00363	0.852 (J)	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	—	0.979 (J)	—	—	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	4610	—	—	—	2.97 (U)	—	—	0.908 (J)	—	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	2.9	—	1.23	—	—	—	69.7 (J)
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	0.941	—	1 (J)	—	1.58 (U)	—	53.7
RE02-07-2023	02-600477	23.0–25.0	QBO	5540	—	204	—	5.76 (U)	—	—	0.834 (J)	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	—	—	0.465	—	1.67	—	—	—	62.5 (J)
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	—	5.72	—	—	—	—

Table F-2.9-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	7270	—	1370	—	2.52 (U)	2.68	—	1.33 (J)	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	0.292	—	1.49	—	—	—	77.1 (J)
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	1.24	—	—	—	49.1 (J)
RE02-07-2031	02-600479	12.6–16.5	QBO	7140	—	378	—	2.98	—	—	1.67 (U)	7.84	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	0.223	—	1.86	—	1.53 (U)	—	97.9 (J)
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	3.07	—	1.71 (U)	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	9690	19.5 (U)	253	—	4.98 (U)	2.72	—	0.897 (J)	13.7	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	—	—	—	0.843 (J)	0.000732 (J-)	1.84	—	58.4
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	—	1.43	—	—	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	5180	—	—	—	—	—	—	1.28 (J)	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	—	—	—	3.06	0.000556 (J-)	—	—	—
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2521	02-600565	16.0–21.0	QBO	7030	—	191	—	2.08 (U)	—	—	1.34 (J)	5.82	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	—	—	—	1.92 (J-)	0.00162 (J-)	—	—	56.2
RE02-07-2525	02-600566	14.5–20.0	QBO	11900	—	576	—	—	—	—	2.48	6.01	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	60.5	—	—	—	3.82	—	1.6 (U)	—	160
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	—	1.18	0.00657 (J-)	—	—	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	2.25	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	5220	—	—	—	3.41 (J)	—	—	1.49 (J)	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	—	0.302	—	1.22	—	—	—	—
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	—	—	0.282	—	—	—	—	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	0.364	—	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	7470	—	—	—	3.66 (U)	—	—	1.65 (U)	7.48 (J)	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	0.194	—	—	0.00123 (J-)	1.57 (J)	—	50.4
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	6680	—	210 (J-)	—	5.59	—	—	1.81 (U)	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	—	0.759	—	1.1	—	—	—	—
RE02-07-2548	02-600572	9.5–11.7	QAL	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2549	02-600572	19.5–21.7	QBO	6680	—	325 (J+)	—	3.96	—	—	1.76 (U)	6.56	—

Note: All values in mg/kg.
[a] Background values are from LANL 1998, 059730.
[b] na = Not available.
[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.
[d] EPA Region 6 (EPA 2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] NA = Not analyzed.

Table F-2.9-2
Summary of Organic Chemicals Detected at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.0373	NA[c]	0.0708	—[d]	4.52	1.69	0.12	—	0.213 (J)	—	—	—	NA	0.133
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	0.042	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0123 (J)	NA	0.0249 (J)	—	2.11	5.75	0.11 (J)	—	0.15 (J)	—	0.066 (J)	—	NA	0.105 (J)
RE02-07-1994	02-600470	4.5–7.5	QAL	0.0466	—	0.0532	—	0.0544 (J)	0.068	0.201	—	0.247 (J)	0.0597 (J)	—	—	—	0.162
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	NA	—	—	0.219	0.533	—	—	—	—	—	—	NA	0.0135 (J)
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	0.0969 (J+)	0.0728 (J+)	—	0.155 (J)	0.131 (J)	—	—	—	—	0.0799
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	NA	—	—	0.24	0.561	—	—	—	—	—	—	NA	—
E02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	NA	—	—	0.0802	0.202	—	—	—	—	—	—	NA	—
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000317 (J)	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	NA	0.00797 (J)	—	—	1.85	0.0291 (J)	0.0338 (J)	0.041	—	0.0147 (J)	—	NA	0.0352
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	—	0.0435	—	—	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	—	0.00356 (J)	—	—	—	0.0027 (J)	—	—	—	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	NA	—	—	0.0546	0.0994	0.018 (J)	0.0152 (J)	0.021 (J)	—	—	—	NA	0.0143 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	—	—	—	—	0.0686	—	0.093	0.0202 (J)	—	—	—	—	0.0115 (J)
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	NA	—	—	0.0528	0.0999	—	—	—	—	—	0.591	NA	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.0034 (J)	0.0049	—	—	—	—	—	—	—	—
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	NA	—	—	0.0408	0.0284 (J)	0.0978	0.0853	0.143	—	—	—	NA	0.113
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.149	—	—	0.088	0.0135 (J)	—	—	—	—	—
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	NA	—	—	—	0.313	0.0304 (J)	0.0234 (J)	0.055	—	—	—	NA	0.0266 (J)
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	0.0027 (J)	0.0073	—	—	—	—	—	—	—	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—	—

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.0194 (J)	NA	0.0282 (J)	—	—	0.687	0.0604	0.0539	0.104	0.0337 (J)	—	—	NA	0.0654
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	0.0066	—	—	—	—	—	—	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	NA	—	—	0.052	0.087	0.0127 (J)	0.0126 (J)	0.0136 (J)	—	—	—	NA	0.0127 (J)
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	—	—	0.0022 (J)	—	—	—	—	—	—	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	NA	—	—	0.0542	0.136	0.015 (J)	0.0152 (J)	0.0172 (J)	—	0.0107 (J)	—	NA	0.0161 (J)
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	NA	—	—	0.0329	0.0625	0.0178 (J)	0.0157 (J)	0.0239 (J)	—	0.0235 (J)	—	NA	0.0143 (J)
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	NA	—	—	0.0135	0.0162	—	0.0302 (J)	0.0412	0.0141 (J)	—	—	NA	0.0345
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	NA	0.0161 (J)	—	3.92	6.97	0.0884 (J)	0.102 (J)	0.194 (J)	0.0515 (J)	—	—	NA	0.0996 (J)
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	NA	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	NA	—	—	—	—	0.0109 (J)	—	0.0124 (J)	—	—	—	NA	—
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—	—
RE02-07-2539	02-600570	0.0–0.5	ALLH	—	NA	—	—	—	—	0.0132 (J)	0.0129 (J)	0.0202 (J)	—	—	—	NA	0.0118 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	—	—	—	0.0141 (J)	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	NA	—	—	—	0.0148 (J)	—	—	—	—	—	—	NA	—
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	0.000258 (J)	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	NA	—	—	—	0.0056	—	—	—	—	—	—	NA	—
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-1989	02-600469	0.0–0.5	ALLH		0.268	0.0306 (J)	0.000514	0.0000436	0.00000635	0.00000179 (J)	0.0000116	0.00000507	0.0000249
RE02-07-1990	02-600469	4.5–9.5	QAL		—	—	0.00000134 (J)	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0404 (J)	0.217	—	0.00106	0.000101	0.0000104	0.00000259	0.000026	0.00000654	0.0000454
RE02-07-1994	02-600470	4.5–7.5	QAL	0.0566 (J)	0.323	0.0185 (J)	0.00146	0.000162	0.00000539	0.000000562 (J)	0.0000271	0.00000262	0.00000141 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	0.0231 (J)	—	0.000065	0.0000147	0.000000975 (J)	—	0.00000185 (J)	—	0.00000208 (J)
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	0.0792	—	—	—	—	—	—	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	0.0236 (J)	—	0.0000332	0.0000107	0.000000885 (J)	0.000000593 (J)	0.00000113 (J)	—	0.00000964
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	—	0.0151 (J)	—	0.0000998	0.00000773	0.000000521 (J)	0.00000101 (J)	0.00000419	0.00000174 (J)	0.00000182 (J)
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	0.0000014 (J)	0.000000339 (J)	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	0.00000103 (J)	—	—	—	—	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	0.0675	—	0.000233	0.0000347 (J)	0.00000331	0.00000125 (J)	0.0000056	0.00000312	0.000016
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	0.0000199	0.00000176 (J)	—	—	0.000000507 (J)	—	0.000000792 (J)
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	0.000000749 (J)	0.000000184 (J)	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	0.0245 (J)	—	0.0000552	0.00000607 (J)	0.000000487 (J)	—	0.00000102 (J)	0.000000623 (J)	0.00000119 (J)
RE02-07-2014	02-600475	4.0–5.0	QAL	—	0.0237 (J)	—	0.000283	0.0000192	0.00000103 (J)	0.00000132 (J)	0.00000514	0.00000375	0.00000142 (J)
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	0.00000525	0.00000101 (J)	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	—	—	—	0.000205	0.0000166 (J)	0.00000186 (J)	0.00000122 (J)	0.00000445	0.00000269	0.00000141 (J)
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	0.0000431	0.00000238 (J)	0.000000232 (J)	—	—	0.000000443 (J)	0.000000257 (J)
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	—	0.000000941 (J)	0.00000244 (J)	0.000000319 (J)	—	—	—	0.00000305
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.0502 (J)	0.137	—	0.000297	0.0000319 (J)	0.00000186 (J)	0.00000169 (J)	0.00000618	0.00000343	0.00000207 (J)
RE02-07-2022	02-600477	4.5–9.0	QAL	0.0439 (J)	0.0148 (J)	—	0.0000715	0.0000101	0.000000588 (J)	—	0.00000178 (J)	0.000000971 (J)	0.000000383 (J)
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	0.000000454 (J)	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	—	0.0439	—	0.0017	0.000269 (J)	0.0000157	0.00000498	0.0000384	0.0000128	0.00000634
RE02-07-2026	02-600478	4.5–9.5	QAL	0.0954 (J)	—	—	0.0000748	0.00000883 (J)	0.000000616 (J)	—	0.00000164 (J)	—	0.000000277 (J)

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	0.00000527	0.00000105 (J)	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	0.000000718 (J)	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	0.153	0.0196 (J)	0.000645	0.0000634 (J)	0.00000593	0.00000293	0.0000123	0.00000649	0.00000357
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	0.0000138	0.00000241 (J)	0.000000184 (J)	—	0.000000362 (J)	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	0.0000246	0.00000397 (J)	—	—	0.000000699 (J)	—	0.000000626 (J)
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	0.0208 (J)	—	0.00129	0.0000794 (J)	0.00000568	0.00000585	0.0000234	0.0000131	0.00000282
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	0.000203	0.00000473 (J)	0.000000514 (J)	—	0.00000336	0.00000145 (J)	0.00000036 (J)
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	0.0000419	0.00000516 (J)	0.000000409 (J)	—	0.00000119 (J)	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	0.0222 (J)	—	0.000638	0.000127	0.0000107	0.00000431	0.0000184	0.00000901	0.00000493
RE02-07-2516	02-600564	9.5–14.5	QAL	—	—	—	0.000000591 (J)	0.000000286 (J)	—	—	—	—	0.000000138 (J)
RE02-07-2517	02-600564	14.5–22.0	QBO	0.04 (J)	—	—	—	0.0000000319 (J)	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.0375 (J)	0.0222 (J)	—	0.000442	0.0000856	0.00000763	0.00000357	0.0000111	0.00000704	0.00000296
RE02-07-2520	02-600565	9.5–15.0	QAL	0.043 (J)	—	—	0.000000318 (J)	0.000000366 (J)	—	—	—	—	0.000000176 (J)
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.0486 (J)	0.0582	—	0.0011	0.000169	0.0000168	0.00000839	0.0000231	0.0000166	0.00000534
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	0.000000493 (J)	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	0.189	—	0.00982	0.00145	0.000152	0.0000519	0.000303	0.000117	0.0000854
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	0.00000999	0.00000336	0.000000227 (J)	0.000000187 (J)	0.000000463 (J)	0.000000377 (J)	0.000000359 (J)
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	0.000000354 (J)	0.000000154 (J)	—	—	—	—	0.0000000418 (J)
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	0.000000084 (J)	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	0.0385 (J)	0.0123 (J)	—	0.0000224	0.00000325	—	0.000000155 (J)	0.000000702 (J)	0.000000284 (J)	0.000000172 (J)
RE02-07-2536	02-600569	9.5–12.7	QAL	0.0472 (J)	—	—	0.00000383	0.00000077 (J)	0.0000000554 (J)	—	0.000000129 (J)	—	0.0000000725 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.0491 (J)	0.0157 (J)	—	0.00000672	0.00000172 (J)	—	0.000000124 (J)	0.000000327 (J)	0.000000256 (J)	0.000000106 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	0.0133 (J)	—	0.0000103	0.00000252 (J)	—	—	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	0.0413 (J)	—	—	0.00000351	0.000000717 (J)	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	—	0.0000107	0.0000029	0.000000177 (J)	0.0000000967 (J)	0.000000405 (J)	0.000000257 (J)	0.000000233 (J)
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	0.00000119 (J)	—	—	—	—	—	—
RE02-07-2545	02-600571	11.7–15.5	QBO	0.0591 (J)	—	—	—	—	—	—	—	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	0.0127 (J)	—	0.0000177	0.0000442	0.000000297 (J)	—	0.000000919 (J)	0.000000317 (J)	0.000000313 (J)
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	0.000000915 (J)	—	—	—	—	—	—

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**23.4**	**389**	**490**	**300**[f]	**300**	**na**	**na**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.0000094	0.0000039	0.00000756	—	NA	NA	—	—	0.00457	0.000114
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.0000135	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.0000162	0.00000277	0.0000261	—	NA	NA	—	—	0.0194	0.000273
RE02-07-1994	02-600470	4.5–7.5	QAL	0.000000575 (J)	—	0.0000014 (J)	0.0631 (J)	—	—	—	0.0143 (J)	0.0338	0.000297 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	0.000000904 (J)	—	0.00000128 (J)	—	NA	NA	—	—	0.000645	0.0000379
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	0.00000133 (J)	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	—	—	—	—	0.00000105 (J)	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	0.00000421	—	0.00000614	—	NA	NA	—	—	0.000324	0.0000142
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	0.00000395 (J)	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	0.000000743 (J)	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	0.000000933 (J)	0.00000025 (J)	0.00000147 (J)	—	NA	NA	—	—	0.000991	0.000017
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	0.000014	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	0.0000192	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	0.00000941	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	0.00000635	0.00000128 (J)	0.0000102	—	NA	NA	—	—	0.00322	0.0000892
RE02-07-2010	02-600474	4.5–10.0	QAL	0.000000321 (J)	—	0.000000357 (J)	—	—	0.0046 (J)	—	—	0.000456	0.00000616
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	—	—	—	—	—	0.00000981	0.000000538 (J)
RE02-07-2013	02-600475	0.0–0.5	ALLH	0.000000562 (J)	—	0.00000075 (J)	—	NA	NA	—	—	0.000718	0.0000176
RE02-07-2014	02-600475	4.0–5.0	QAL	0.000000785 (J)	—	0.00000112 (J)	—	—	—	—	—	0.00602	0.0000854
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	0.00588 (J)	—	—	0.000072	0.00000383 (J)
RE02-07-2017	02-600476	0.0–0.5	ALLH	0.000000967 (J)	—	0.00000134 (J)	—	NA	NA	—	—	0.00198	0.0000449
RE02-07-2018	02-600476	4.5–9.0	QAL	0.000000127 (J)	—	0.000000191 (J)	—	—	0.00478 (J)	—	—	0.000379	0.00000665
RE02-07-2019	02-600476	20.0–25.0	QBO	0.00000116 (J)	—	0.00000188 (J)	—	—	—	—	—	0.00000748	0.00000315 (J)
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.00000127 (J)	0.000000311 (J)	0.00000141 (J)	—	NA	NA	—	—	0.00245	0.000111
RE02-07-2022	02-600477	4.5–9.0	QAL	0.000000352 (J)	—	0.000000399 (J)	—	—	0.00563	—	—	0.000599	0.0000371
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	0.00968	—	—	0.00000483 (J)	0.000000331 (J)
RE02-07-2025	02-600478	0.0–0.5	ALLH	0.00000524	0.000000949 (J)	0.00000704	—	NA	NA	—	—	0.0157	0.00124
RE02-07-2026	02-600478	4.5–9.5	QAL	0.000000232 (J)	—	0.000000283 (J)	—	—	—	—	—	0.000654	0.0000308

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**23.4**	**389**	**490**	**300**[f]	**300**	**na**	**na**
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.000251 (J)	—	—	—	0.0000843	0.00000363 (J)
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	0.000008	0.000000522 (J)
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.00000271	0.000000664 (J)	0.00000329	—	NA	NA	0.00811 (J)	0.0147 (J)	0.00588	0.000192
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	—	—	—	0.000132	0.00000727
RE02-07-2031	02-600479	12.6–16.5	QBO	0.000000149 (J)	—	—	—	—	—	—	—	0.000285	0.000014
RE02-07-2033	02-600480	0.0–0.5	ALLH	0.00000303	0.000000458 (J)	0.00000383	—	NA	NA	—	—	0.0084	0.000225
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	0.000000299 (J)	—	—	0.00215 (J)	—	—	0.00116	0.0000123
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	0.000000134 (J)	—	—	—	—	—	0.000522	0.0000189
RE02-07-2515	02-600564	0.0–0.5	ALLH	0.00000465	0.000000783 (J)	0.00000637	—	NA	NA	—	—	0.00617	0.000309
RE02-07-2516	02-600564	9.5–14.5	QAL	0.0000000561 (J)	—	—	—	—	—	—	—	0.00000487 (J)	0.000000394 (J)
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	0.000000119 (J)
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.00000269	0.000000473 (J)	0.00000373	—	NA	NA	—	—	0.00509	0.000273
RE02-07-2520	02-600565	9.5–15.0	QAL	—	—	—	—	—	—	—	—	0.00000241 (J)	0.000000284 (J)
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.00000369	0.000000918 (J)	0.00000556	—	NA	NA	—	—	0.0137	0.00113
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	0.00000548	0.000000543 (J)
RE02-07-2527	02-600567	0.0–0.5	ALLH	0.0000615	0.00000896	0.000092	0.0687 (J)	NA	NA	—	—	0.11	0.0039
RE02-07-2531	02-600568	0.0–0.5	ALLH	0.0000002 (J)	—	0.000000213 (J)	—	NA	NA	—	—	0.0000811	0.00000398 (J)
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	0.00000277 (J)	0.000000194 (J)
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	0.000000331 (J)	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	0.000000169 (J)	—	NA	NA	—	—	0.000325	0.00000876
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	0.000059	0.00000164 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.000000108 (J)	—	0.000000118 (J)	—	NA	NA	—	—	0.0000804	0.00000442 (J)
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	—	—	—	0.000149	0.00000514
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	0.00004	0.00000249 (J)
RE02-07-2543	02-600571	0.0–0.5	ALLH	0.000000154 (J)	—	0.0000002 (J)	—	NA	NA	—	—	0.000108	0.00000926
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	0.0000171	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	0.00000678	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.000000357 (J)	—	NA	NA	—	—	0.000207	0.0000206
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	0.0000107	0.000000919 (J)

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-1989	02-600469	0.0–0.5	ALLH	0.000000975 (J)	0.00000167 (J)	0.0000229	—	0.272	0.351	—	0.00000506	NA
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1992	02-600469	17.0–19.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1993	02-600470	0.0–0.5	ALLH	0.00000108 (J)	0.0000117	0.0000785	—	0.104	0.263 (J)	—	0.0000398	NA
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	0.000000623 (J)	—	0.185	0.279	—	—	0.000556 (J)
RE02-07-1997	02-600471	0.0–0.5	ALLH	—	—	0.00000286	—	—	0.0291 (J)	—	0.00000177	NA
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	—	—	—	—	—
RE02-07-1999	02-600471	18.0–25.0	QBO	—	—	—	—	0.03 (J)	0.135	—	—	—
RE02-07-2001	02-600472	0.0–0.5	ALLH	—	0.00000332	0.0000205	—	0.0145 (J)	0.0443 (J)	—	0.0000112 (J)	NA
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	—	—	—	—	0.000411 (J)
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2005	02-600473	0.0–0.5	ALLH	0.000000734 (J)	0.000000484 (J)	0.00000243 (J)	—	—	0.0444 (J)	—	0.00000157	NA
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2007	02-600473	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2008	02-600473	18.0–23.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	0.00000508	0.0000327	—	0.038	0.0657	—	0.0000174	NA
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	0.00000105 (J)	—	—	—	—	—	—
RE02-07-2011	02-600474	16.5–19.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	0.000000134 (J)	0.000000391 (J)	0.00000199 (J)	—	0.0129 (J)	0.0251 (J)	—	0.00000114	NA
RE02-07-2014	02-600475	4.0–5.0	QAL	0.000000954 (J)	—	0.00000191 (J)	—	0.0128 (J)	0.0171 (J)	0.00000023 (J)	0.000000988 (J)	—
RE02-07-2015	02-600475	16.0–18.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2017	02-600476	0.0–0.5	ALLH	0.000000645 (J)	0.000000372 (J)	0.00000193 (J)	—	—	—	—	0.00000126	NA
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	—	—	—	—	0.000426 (J)
RE02-07-2019	02-600476	20.0–25.0	QBO	—	0.000000924	0.00000581 (J)	—	—	—	—	0.00000273	—
RE02-07-2021	02-600477	0.0–0.5	ALLH	0.000000548 (J)	0.000000324 (J)	0.00000154 (J)	—	0.0229 (J)	0.177	—	0.000000862 (J)	NA
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	—	0.0143 (J)	—	—	—
RE02-07-2023	02-600477	23.0–25.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2025	02-600478	0.0–0.5	ALLH	0.00000186 (J)	0.000000901 (J)	0.00000409	—	0.0133 (J)	0.0432	0.000000328 (J)	0.00000197	NA

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.000504 (J)
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2027	02-600478	18.8–20.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	0.0000012 (J)	0.00000081 (J)	0.00000357	—	0.118	0.128	0.000000211 (J)	0.00000192	NA
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	0.000000829 (J)	—	—	—	—	0.00000143	—
RE02-07-2033	02-600480	0.0–0.5	ALLH	0.00000249 (J-)	—	0.00000185 (J)	—	0.0114 (J)	0.0211 (J)	0.000000389 (J)	0.000000967 (J)	NA
RE02-07-2034	02-600480	4.5–10.0	QAL	0.000000216 (J)	0.000000381 (J)	0.000000432 (J)	—	—	—	—	0.000000877 (J)	0.00112
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	0.00000163 (J)	0.000000718 (J)	0.00000253	—	—	0.0213 (J)	0.000000328 (J)	0.00000137	NA
RE02-07-2516	02-600564	9.5–14.5	QAL	—	0.0000000955 (J)	0.0000000908 (J)	—	—	—	—	0.000000198 (J)	—
RE02-07-2517	02-600564	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	0.00000146 (J)	0.000000399 (J)	0.00000167 (J)	—	—	0.0216 (J)	0.000000199 (J)	0.00000118	NA
RE02-07-2520	02-600565	9.5–15.0	QAL	—	0.0000000544 (J)	—	—	—	—	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	0.00000303	—	0.000000877 (J)	0.301 (J)	0.0315 (J)	0.0471	0.000000307 (J)	0.000000592 (J)	NA
RE02-07-2525	02-600566	14.5–20.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	0.0000231	0.0000229	0.000132	—	0.0826	0.214 (J)	0.00000284	0.0000798	NA
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	0.000000187 (J)	—	—	—	—	0.000000133 (J)	NA
RE02-07-2532	02-600568	9.5–10.9	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2533	02-600568	15.0–18.3	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	0.0000000687 (J)	—	0.000000119 (J)	—	—	0.0112 (J)	—	0.0000000976 (J)	NA
RE02-07-2536	02-600569	9.5–12.7	QAL	—	—	—	—	—	—	—	—	0.000425 (J)
RE02-07-2539	02-600570	0.0–0.5	ALLH	0.0000000817 (J)	—	—	—	—	0.0159 (J)	—	—	NA
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	—	0.0149 (J)	—	—	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2543	02-600571	0.0–0.5	ALLH	—	—	0.000000292 (J)	—	—	—	—	0.000000247 (J)	NA
RE02-07-2544	02-600571	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—

Table F-2.9-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pentachlorophenol	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**100**	**20500**	**30900**	**0.00018**[g]	**na**	**252**
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.000000167 (J)	—	—	—	—	0.00000018 (J)	NA
RE02-07-2549	02-600572	19.5–21.7	QBO	—	—	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] NA = Not analyzed.

[d] — = Analyte not detected.

[e] na = Not available.

[f] Naphthalene used as a surrogate.

[g] EPA Region 6 (EPA 2007, 095866).

Table F-2.9-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(f)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-03-51874	02-22376	0.0–0.5	ALLH	—[e]	—	—	—	0.0852	—
RE02-03-51875	02-22376	1.5–2.0	ALLH	—	—	—	—	0.0545	—
RE02-03-51876	02-22377	0.0–0.5	ALLH	—	0.11	—	—	0.0694	—
RE02-03-51877	02-22377	1.5–2.0	ALLH	—	—	—	—	0.0622	—
RE02-03-51878	02-22378	0.0–0.5	ALLH	—	—	—	—	0.923	—
RE02-03-51879	02-22378	1.5–2.0	ALLH	0.0454	—	—	—	0.614	—
RE02-03-51880	02-22379	0.0–0.5	ALLH	—	—	—	—	0.357	—
RE02-03-51881	02-22379	1.5–2.0	ALLH	—	—	—	—	2.41	—
RE02-07-1989	02-600469	0.0–0.5	ALLH	—	—	—	—	0.0159653	—
RE02-07-1990	02-600469	4.5–9.5	QAL	—	—	—	—	0.0788696	—
RE02-07-1994	02-600470	4.5–7.5	QAL	—	—	—	—	0.695833	—
RE02-07-1998	02-600471	4.5–10.0	ALLH	—	—	—	—	0.260671	—
RE02-07-2002	02-600472	4.5–9.0	ALLH	—	—	—	—	0.111039	—
RE02-07-2003	02-600472	21.0–23.0	QBO	—	—	—	—	—	0.225
RE02-07-2006	02-600473	4.5–13.0	QAL	—	—	—	—	0.0363882	—
RE02-07-2009	02-600474	0.0–0.5	ALLH	—	—	—	—	0.0117742	—
RE02-07-2010	02-600474	4.5–10.0	QAL	—	—	—	—	0.236047	—
RE02-07-2013	02-600475	0.0–0.5	ALLH	—	—	—	—	0.00966109	—
RE02-07-2018	02-600476	4.5–9.0	QAL	—	—	—	—	0.440696	—
RE02-07-2019	02-600476	20.0–25.0	QBO	—	—	0.133	—	0.0660952	0.182
RE02-07-2021	02-600477	0.0–0.5	ALLH	—	—	—	—	0.0451419	—
RE02-07-2022	02-600477	4.5–9.0	QAL	—	—	—	—	0.81017	—
RE02-07-2026	02-600478	4.5–9.5	QAL	—	—	—	0.716	0.56557	—
RE02-07-2028	02-600478	14.0–18.8	QAL	—	—	—	—	0.254922	—
RE02-07-2029	02-600479	0.0–0.5	ALLH	—	—	—	—	0.0199386	—
RE02-07-2030	02-600479	5.0–10.0	QAL	—	—	—	—	2.17686	—
RE02-07-2031	02-600479	12.6–16.5	QBO	—	—	—	—	—	0.181
RE02-07-2033	02-600480	0.0–0.5	ALLH	—	—	—	—	0.0380017	—
RE02-07-2034	02-600480	4.5–10.0	QAL	—	—	—	—	3.80729	—

Table F-2.9-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**1900**	**440000**	**87**
RE02-07-2035	02-600480	12.5–15.0	QBO	—	—	0.0316	—	0.0496098	—
RE02-07-2515	02-600564	0.0–0.5	ALLH	—	—	0.0667	—	0.00719992	—
RE02-07-2519	02-600565	0.0–0.5	ALLH	—	—	0.0803	—	—	—
RE02-07-2523	02-600566	0.0–0.5	ALLH	—	—	0.115	—	—	—
RE02-07-2527	02-600567	0.0–0.5	ALLH	—	0.212	0.577	—	—	—
RE02-07-2531	02-600568	0.0–0.5	ALLH	—	—	—	—	0.00980899	—
RE02-07-2535	02-600569	0.0–0.5	ALLH	—	—	0.0587	—	—	—
RE02-07-2540	02-600570	9.5–11.9	QAL	—	—	—	—	0.0200215	—
RE02-07-2541	02-600570	14.5–16.7	QBO	—	—	—	—	3.18276	—
RE02-07-2545	02-600571	11.7–15.5	QBO	—	—	—	—	—	0.198
RE02-07-2547	02-600572	0.0–0.5	ALLH	—	—	0.0616	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.10-1
Summary of Inorganic Chemicals above BV at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—[e]	—	—	—	—	—	—	0.262 (J-)	—
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	0.538 (U)	—	—	0.0747 (J-)	—
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	—	—	—	—	0.0661 (J)	—
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	0.553 (U)	—	—	—	—
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	—	0.533 (U)	—	—	0.075 (J)	—
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.108	—
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	—	—	—	6610 (J-)	—	NA[f]	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	0.525 (U)	—	—	NA	—
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	0.554 (U)	—	—	NA	—
RE02-07-2107	02-600490	14.5–19.5	QBO	12500	0.536 (UJ)	1.35 (J)	57.3	0.668 (U)	—	19.5 (U)	NA	4.79
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	0.548 (U)	—	—	NA	—
RE02-07-2111	02-600491	15.5–19.5	QBO	7450	—	1.77 (U)	28.6	0.591 (U)	—	3.35	NA	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	0.527 (U)	—	—	NA	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	0.544 (U)	—	—	NA	—
RE02-07-2115	02-600492	14.5–19.5	QBO	10600	—	0.728 (J)	72.4 (J-)	0.546 (U)	—	8.07 (J)	NA	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	—	0.553 (U)	—	—	NA	28.9
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	0.574 (U)	—	50.7 (J)	NA	—
RE02-07-2119	02-600493	19.0–22.0	QBO	7310	—	1.8 (U)	—	0.599 (U)	—	2.64	NA	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	—	—	—	0.563 (U)	—	56.4	NA	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	0.549 (U)	—	19.4	NA	51.3
RE02-07-2123	02-600494	14.5–22.0	QBO	6100	—	1.57 (J)	33.7	0.58 (U)	—	4.76	NA	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	—	—	0.958	—	—	NA	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	0.501 (U)	—	—	NA	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	0.504 (U)	—	—	NA	—
RE02-07-2135	02-600497	15.0–18.5	QBO	5010	—	1.07 (J)	28.4	0.616 (U)	—	9.21 (U)	NA	—

Table F-2.10-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Zinc
ALLH/FILL/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**40**
SED Background Value[a]				**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—	—	—	1.07 (J)	—	NA	NA	—	—
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	68.4
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	—	0.294 (J-)	—	1.22 (J-)	—	—	56.1 (J+)
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	2.8	—	2.4	—
RE02-07-2107	02-600490	14.5–19.5	QBO	7880	—	275 (J+)	—	3.56 (U)	—	—	2.49	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	0.415	—	3.71 (J-)	—	—	—
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	2.55 (J-)	0.000966 (J)	1.64 (U)	—
RE02-07-2111	02-600491	15.5–19.5	QBO	4640	—	207 (J+)	—	—	—	—	1.77 (U)	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	1.03 (J)	—	1.79	—
RE02-07-2115	02-600492	14.5–19.5	QBO	5050	—	210 (J)	—	2.5	—	—	1.64 (U)	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	1.5	0.00062 (J)	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	4790	—	224 (J+)	—	—	—	—	0.615 (J)	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	1.09 (J)	—	2.28	—
RE02-07-2123	02-600494	14.5–22.0	QBO	5850 (J)	—	305	—	3.81 (J-)	—	—	2.63	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	—	—	—	1.33 (J-)	—	—	53.8 (J+)
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	—	4.55 (J-)	—	1.5 (U)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	1.87	—
RE02-07-2135	02-600497	15.0–18.5	QBO	6300	—	210 (J+)	—	2.43 (U)	—	—	2.15	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	—	4.49 (J-)	—	9.24	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	2.7	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	53.9	—	—	—	1.97	—	14.7	50
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	35.6	—	0.297 (J)	—	1.32	—	—	92.8

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.10-2
Summary of Organic Chemicals Detected at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chloroform	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**9.59**	**2310**	**68400**	**24400**	**26500**
RE02-07-2101	02-600489	0.0–0.5	ALLH	—[c]	—	0.0528	0.0382	—	0.123 (J)	0.179 (J)	0.0407 (J)	NA[d]	—	—	0.187	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.0261 (J)	0.0356	0.0403	0.0197 (J)	0.119	0.115 (J)	0.18 (J)	0.0552 (J)	NA	0.111	—	0.168	0.0141 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0641 (J)	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	0.0498 (J)	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	0.0042 (J-)	—	—	—	—	—	NA	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	0.0034 (J-)	—	—	—	—	NA	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	—	—	—	0.000313 (J)	—	—	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	0.0703 (J)	—	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	—	—	0.0052 (J-)	0.0036 (J)	—	—	0.0248 (J)	—	NA	—	—	0.0263 (J)	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	—	—	0.0245 (J)	0.016 (J)	—	0.0269 (J)	0.045 (J)	—	NA	0.0287 (J)	—	0.0437	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	—	—	0.022 (J)	0.0273 (J)	—	NA	0.0176 (J)	—	0.0259 (J)	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	—	0.00712 (J)	—	—	—	0.0141 (J)	0.0164 (J)	—	NA	0.0167 (J)	—	0.0169 (J)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**na**[e]	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.000657	0.000084	0.0000078	0.00000383	0.0000145	0.00000846	0.00000387	0.00000318	0.0000009 (J)
RE02-07-2106	02-600490	4.5–9.0	QAL	0.000000105 (J)	0.00000007 (J)	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	0.000000972 (J)	0.00000032 (J)	—	—	—	—	0.0000000442 (J)	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.0000109	0.00000533	0.000000786 (J)	—	—	—	0.00000429	0.00000144 (J)	0.000000305 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	0.000000245 (J)	—	—	—	—	—	—	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	0.000000208 (J)	—	—	—	—	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	0.000000445 (J)	—	—	—	—	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	0.000000814 (J)	0.000000243 (J)	—	—	—	—	—	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	0.000000387 (J)	—	—	—	—	—	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	0.00000156 (J)	0.000000386 (J)	—	—	—	—	0.000000109 (J)	0.0000000397 (J)	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	0.000000551 (J)	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.00125	0.000553	0.0000469	0.0000346	0.0000734	0.0000818	0.0000489	0.0000424	0.00000819
RE02-07-2129	02-600496	0.0–0.5	SED	0.00000908	0.00000326	—	—	0.000000434 (J)	0.00000041 (J)	0.000000436 (J)	0.000000256 (J)	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.0000157	0.00000588	0.000000456 (J)	0.000000295 (J)	0.000000722 (J)	—	0.000000915 (J)	0.000000533 (J)	—
RE02-07-2134	02-600497	4.5–7.5	QAL	0.000000585 (J)	0.000000207 (J)	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	0.000000127 (J)	0.000000107 (J)	—	—	—	—	0.0000000289 (J)	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	0.00000132 (J)	0.00000166 (J)	—	—	—	—	—	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	0.00000102 (J)	0.00000134 (J)	—	—	—	—	—	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	0.0000329	0.0000105	0.000000801 (J)	0.000000447 (J)	0.00000127 (J)	0.000000835 (J)	0.000000549 (J)	0.000000604 (J)	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.0000324	0.0000112	0.000000574 (J)	—	0.00000089 (J)	0.000000462 (J)	0.000000539 (J)	0.000000448 (J)	—

Table F-2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Methylene Chloride	MethylNaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]
Industrial Soil Screening Levels[b]				**na**	**23.4**	**490**	**300**[f]	**300**	**na**	**na**	**na**	**na**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.00000445	—	NA	—	—	0.015	0.000217	0.00000213 (J)	0.000000608 (J)
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	0.0000122	0.000000747 (J)	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.00000218 (J)	0.0401 (J)	NA	—	0.0178 (J)	0.000113	0.00000839	—	0.00000106 (J)
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	0.00000134 (J)	0.000000168 (J)	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	0.00000168 (J)	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	0.0000015 (J)	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	0.00000559	0.000000364 (J)	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	0.00254 (J)	—	—	0.00000712	0.00000049 (J)	—	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	0.0000028 (J)	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	0.0000000323 (J)	—	—	—	—	0.0000126	0.000000802 (J)	—	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	0.0000017 (J)	0.000000221 (J)	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.0000492	—	NA	—	—	0.00581	0.000652	0.0000206	0.00000403
RE02-07-2129	02-600496	0.0–0.5	SED	0.000000302 (J)	—	NA	—	—	0.0000645	0.00000533	—	—
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.00000078 (J)	—	NA	—	—	0.000111	0.00000825	—	—
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	0.00000462 (J)	0.000000373 (J)	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	0.00000179 (J)	—	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	NA	—	—	0.0000116	0.00000133 (J)	—	—
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	NA	0.00783 (J)	—	0.00000821	0.000000909 (J)	—	—
RE02-07-6826	02-600493	0.9–1.4	QAL	0.000000897 (J)	—	NA	—	—	0.000259	0.0000325	0.000000312 (J)	—
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.00000071 (J)	—	NA	0.0152 (J)	—	0.000275	0.0000335	0.000000152 (J)	—

Table F-2.10-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trichloroethene
Industrial Soil Screening Levels[b]				**na**	**20500**	**30900**	**0.00018**[g]	**na**	**31.6**	**252**	**1.56**
RE02-07-2101	02-600489	0.0–0.5	ALLH	0.00000237 (J)	0.0828 (J)	0.221	0.00000026 (J)	—	NA	NA	NA
RE02-07-2106	02-600490	4.5–9.0	QAL	—	—	—	—	—	—	0.000583 (J)	0.000884 (J)
RE02-07-2107	02-600490	14.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2109	02-600491	0.0–0.5	ALLH	0.00000681	0.118	0.185	—	0.00000343	NA	NA	NA
RE02-07-2110	02-600491	4.5–9.0	QAL	—	—	—	—	—	—	—	—
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	—	—	—
RE02-07-2115	02-600492	14.5–19.5	QBO	—	—	—	—	—	—	—	—
RE02-07-2118	02-600493	4.5–9.5	QAL	—	—	—	—	—	0.000302 (J)	0.00336	—
RE02-07-2119	02-600493	19.0–22.0	QBO	—	—	—	—	—	—	—	—
RE02-07-2122	02-600494	4.5–14.5	QAL	—	—	—	—	—	—	0.000343 (J)	—
RE02-07-2123	02-600494	14.5–22.0	QBO	—	—	—	—	—	—	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.0000124	0.022 (J)	0.0618	0.000000756	0.00000123	NA	NA	NA
RE02-07-2129	02-600496	0.0–0.5	SED	—	0.0114 (J)	0.0217 (J)	—	0.000000189 (J)	NA	NA	NA
RE02-07-2133	02-600497	0.0–0.5	ALLH	0.00000115 (J)	—	0.0158 (J)	—	0.00000055 (J)	NA	NA	NA
RE02-07-2134	02-600497	4.5–7.5	QAL	—	—	—	—	—	—	—	—
RE02-07-2135	02-600497	15.0–18.5	QBO	—	—	—	—	—	—	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	0.0144 (J)	—	—	NA	NA	NA
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA
RE02-07-6826	02-600493	0.9–1.4	QAL	0.000000859 (J)	—	—	—	0.000000239 (J)	NA	NA	NA
RE02-07-6827	02-600494	0.0–0.5	ALLH	0.000000604 (J)	0.0267 (J)	0.0205 (J)	—	0.00000028 (J)	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Naphthalene used as a surrogate.

[g] EPA Region 6 (EPA 2007, 095866).

Table F-2.10-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-004(g)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**na**	**0.068**	**1.04**	**0.093**
Industrial Screening Action Levels[d]				**180**	**9.7**	**5.1**	**210**	**1900**	**440000**
RE02-03-51888	02-22383	1.0–1.5	ALLH	—[e]	0.0453	—	—	—	0.04
RE02-03-51889	02-22383	2.5–3.0	ALLH	—	—	—	—	0.233	0.0474
RE02-03-51890	02-22384	0.5–1.0	ALLH	—	—	—	0.301	0.142	0.0753
RE02-03-51891	02-22384	2.0–2.5	ALLH	—	—	—	—	—	0.0904
RE02-03-51892	02-22385	1.0–1.5	ALLH	—	—	—	—	—	0.0201
RE02-03-51893	02-22385	2.5–3.0	ALLH	—	—	—	0.105	0.102	0.0144
RE02-03-51894	02-22386	0.0–0.5	ALLH	—	—	—	0.115	—	—
RE02-07-2101	02-600489	0.0–0.5	ALLH	—	—	0.504	0.195 (J+)	—	—
RE02-07-6824	02-600490	0.8–1.8	FILL	—	—	—	1.85	—	0.0286246
RE02-07-2109	02-600491	0.0–0.5	ALLH	—	—	—	0.0835	—	0.0118856
RE02-07-2111	02-600491	15.5–19.5	QBO	—	—	—	—	—	0.187463
RE02-07-6825	02-600492	0.0–0.5	ALLH	—	—	—	—	—	0.0345484
RE02-07-2114	02-600492	4.5–9.5	QAL	—	—	—	—	—	0.0539966
RE02-07-6826	02-600493	0.9–1.4	QAL	—	—	—	0.0515	—	—
RE02-07-2125	02-600495	0.0–0.5	ALLH	0.165	2.88	—	0.169 (J+)	—	—
RE02-07-2129	02-600496	0.0–0.5	SED	—	—	—	0.13 (J+)	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.11-1
Summary of Inorganic Chemicals above BV at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Arsenic	Cadmium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Zinc
ALLH/QAL Background Value[a]				**8.17**	**0.4**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**48.8**
QCT Background Value[a]				**0.56**	**0.4**	**2.6**	**na**	**3.96**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**40**
Industrial Soil Screening Levels[c]				**17.7**	**564**	**5000[d]**	**3400**	**45400**	**13700**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-2445	02-600547	0.0–0.5	ALLH	—[e]	0.496 (U)	—	0.24 (J)	—	—	—	—	—	—	—	1.74	0.000873 (J)	1.91 (U)	54.2
RE02-07-2446	02-600547	2.0–2.5	QAL	—	0.505 (U)	—	—	—	—	—	—	—	—	—	1.36 (J-)	0.000775 (J-)	—	—
RE02-07-2448	02-600548	0.0–0.5	ALLH	—	0.538 (U)	—	—	—	—	—	—	—	—	—	2.43	—	6.48	—
RE02-07-2451	02-600549	0.0–0.5	ALLH	—	0.522 (U)	—	—	—	—	—	—	—	—	—	2.03	—	7.67	51.9
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	0.514 (U)	—	—	—	—	—	—	—	—	—	2.26	—	8.37	49.8
RE02-07-2457	02-600551	0.0–0.5	ALLH	—	0.518 (U)	—	—	—	—	—	—	—	—	—	3.08	—	6.01	63.1
RE02-07-2460	02-600552	0.0–0.5	ALLH	—	0.545 (U)	—	—	—	—	—	—	—	—	—	1.95 (J-)	0.00108 (J)	1.67	—
RE02-07-2463	02-600553	0.0–0.5	ALLH	—	0.512 (U)	—	—	34.9 (J)	—	—	—	—	2.17	—	1.75 (J-)	—	1.66	—
RE02-07-2464	02-600553	2.0–4.5	QAL	—	0.495 (U)	—	0.34	—	—	—	—	—	0.22	—	—	—	5.89	—
RE02-07-2465	02-600553	4.5–7.0	QAL	—	0.514 (U)	—	0.433 (J)	—	—	—	—	—	—	—	1.27	0.00253	5.74	—
RE02-07-2466	02-600554	0.0–1.1	ALLH	—	0.53 (U)	—	0.527 (J)	—	—	—	—	—	—	—	1.8	—	8.01	—
RE02-07-2467	02-600554	2.0–3.0	QAL	—	0.504 (U)	—	—	—	—	—	—	—	—	—	1.07	—	8.16	—
RE02-07-2468	02-600554	4.5–5.0	QCT	1.51	0.498 (U)	6.8	—	—	—	5150	—	304	—	2.43	—	—	5.23	44.8
RE02-07-2469	02-600555	0.0–1.1	ALLH	—	0.498 (U)	—	0.106 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2470	02-600555	2.0–2.5	QAL	—	0.505 (U)	—	0.0522 (J)	—	—	—	—	—	—	—	—	—	—	53.9
RE02-07-2472	02-600556	0.0–0.5	ALLH	—	0.501 (U)	—	0.0497 (J)	—	—	—	—	—	—	—	—	—	—	50.9
RE02-07-2473	02-600556	2.0–3.0	QAL	—	0.504 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2475	02-600557	0.0–0.5	ALLH	—	0.563 (U)	—	—	—	0.547	—	—	—	—	—	2.49	—	6.68	—
RE02-07-2478	02-600558	0.0–0.5	ALLH	—	0.554 (U)	—	—	—	—	—	—	—	—	—	4.74	0.0007 (J)	6.36	—
RE02-07-2479	02-600558	2.0–2.5	QAL	—	0.5 (U)	—	1.06	—	—	—	—	—	—	—	—	—	5.75	—
RE02-07-2480	02-600558	4.5–5.0	QAL	—	0.508 (U)	—	0.0951 (J)	—	—	—	—	—	—	—	—	0.00108 (J)	6.1	—
RE02-07-2481	02-600559	0.0–0.5	ALLH	—	0.524 (U)	—	0.768 (J)	—	—	—	24.4	—	—	—	2.2 (J-)	0.000622 (J-)	1.71 (U)	68.5
RE02-07-2482	02-600559	2.0–2.5	QAL	—	0.527 (U)	—	0.692 (J)	—	—	—	60.6	—	—	—	1.16 (J-)	—	2.24 (U)	74.4
RE02-07-2484	02-600560	0.0–0.5	ALLH	—	0.523 (U)	—	0.0703 (J)	—	—	—	—	—	—	—	3.55	—	6.71	—
RE02-07-2485	02-600560	2.0–3.0	QAL	—	0.505 (U)	—	—	—	—	—	—	—	—	—	2.02	—	6.94	—
RE02-07-2486	02-600560	4.5–5.0	QAL	—	0.511 (U)	—	—	—	—	—	—	—	—	—	1.33	—	6.51	—
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	—	—	—	—	—	—	66.6	—	—	—	—	0.000758 (J)	7.35	71.7
RE02-07-2490	02-600562	0.0–0.5	ALLH	—	0.505 (U)	—	—	—	—	—	—	—	—	—	—	—	8.37	—

Note: All values in mg/kg.
[a] Background values are from LANL 1998, 059730.
[b] na = Not available.
[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.
[d] EPA Region 6 (EPA 2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.11-2
Summary of Organic Chemicals Detected at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(b)fluoranthene	Fluoranthene	Pyrene	Toluene
Industrial Soil Screening Levels[a]				**8.26**	**8.26**	**23.4**	**24400**	**30900**	**252**
RE02-07-2445	02-600547	0.0–0.5	ALLH	NA[b]	NA	0.0182 (J)	0.0173 (J)	0.0154 (J)	NA
RE02-07-2446	02-600547	2.0–2.5	QAL	NA	NA	—[c]	—	—	0.00142
RE02-07-2448	02-600548	0.0–0.5	ALLH	—	0.0055	NA	NA	NA	NA
RE02-07-2451	02-600549	0.0–0.5	ALLH	0.0025 (J)	0.002 (J)	NA	NA	NA	NA
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	0.0094	NA	NA	NA	NA
RE02-07-2460	02-600552	0.0–0.5	ALLH	0.0019 (J)	0.0021 (J)	NA	NA	NA	NA
RE02-07-2463	02-600553	0.0–0.5	ALLH	0.0059	0.0062	NA	NA	NA	NA
RE02-07-2469	02-600555	0.0–1.1	ALLH	0.0022 (J)	0.0027 (J)	NA	NA	NA	NA
RE02-07-2472	02-600556	0.0–0.5	ALLH	0.0027 (J)	0.0022 (J)	NA	NA	NA	NA
RE02-07-2475	02-600557	0.0–0.5	ALLH	0.0064	0.0059	NA	NA	NA	NA
RE02-07-2478	02-600558	0.0–0.5	ALLH	0.0017 (J)	0.0021 (J)	NA	NA	NA	NA
RE02-07-2481	02-600559	0.0–0.5	ALLH	0.0987	0.0958	NA	NA	NA	NA
RE02-07-2482	02-600559	2.0–2.5	QAL	—	0.513	NA	NA	NA	NA
RE02-07-2485	02-600560	2.0–3.0	QAL	0.0029 (J)	0.0025 (J)	NA	NA	NA	NA
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	1.42	NA	NA	NA	NA
RE02-07-2490	02-600562	0.0–0.5	ALLH	—	0.0025 (J)	NA	NA	NA	NA

Note: All values in mg/kg.

[a] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[b] NA = Not analyzed.

[c] — = Analyte not detected.

Table F-2.11-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-005

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**na[c]**
Industrial Screening Action Levels[d]				**180**	**23**	**210**	**440000**
RE02-07-2445	02-600547	0.0–0.5	ALLH	—[e]	—	0.0647	—
RE02-07-2446	02-600547	2.0–2.5	QAL	—	—	—	0.00557382
RE02-07-2451	02-600549	0.0–0.5	ALLH	—	—	0.0962	—
RE02-07-2454	02-600550	0.0–0.5	ALLH	—	—	0.0963	—
RE02-07-2460	02-600552	0.0–0.5	ALLH	—	—	0.114 (J-)	—
RE02-07-2463	02-600553	0.0–0.5	ALLH	—	—	0.224 (J-)	—
RE02-07-2464	02-600553	2.0–4.5	QAL	—	—	0.0368	—
RE02-07-2466	02-600554	0.0–1.1	ALLH	—	0.216	—	—
RE02-07-2470	02-600555	2.0–2.5	QAL	—	—	—	0.00617213
RE02-07-2478	02-600558	0.0–0.5	ALLH	—	—	—	0.251049
RE02-07-2480	02-600558	4.5–5.0	QAL	—	—	—	0.00695318
RE02-07-2481	02-600559	0.0–0.5	ALLH	0.0275	—	1.6	0.0170288
RE02-07-2482	02-600559	2.0–2.5	QAL	0.139	0.331	6.8	0.025821
RE02-07-2486	02-600560	4.5–5.0	QAL	—	—	—	0.0577164
RE02-07-2487	02-600561	0.0–0.5	ALLH	—	—	0.0546	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.12-1
Summary of Inorganic Chemicals above BV at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**[b]	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH Background Value[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790**[d]	**5680**	**100000**
RE02-03-51168	02-22052	2.5–3.0	ALLH	—[e]	—	—	—	0.526 (U)	—	—	NA[f]	—	NA	—	—	—	NA	NA	—	—
RE02-03-51170	02-22053	2.5–3.0	ALLH	—	—	—	—	0.539 (U)	—	—	NA	—	NA	—	—	—	NA	NA	—	—
RE02-03-51146	02-22054	1.0–1.5	ALLH	—	—	—	—	0.545 (U)	—	—	NA	—	NA	—	—	—	NA	NA	—	—
RE02-03-51172	02-22054	2.5–3.0	ALLH	—	—	—	—	0.51 (U)	—	—	NA	—	NA	22.7	—	—	NA	NA	—	—
RE02-03-51148	02-22055	10.0–10.5	QBT3	—	—	47.4 (J+)	—	—	—	—	NA	—	NA	—	—	—	NA	NA	0.513 (U)	—
RE02-03-51174	02-22055	11.5–12.0	QBT3	8660 (J)	2.91	63.3 (J+)	—	—	—	—	NA	—	NA	—	—	14.4	NA	NA	0.526 (U)	—
RE02-03-51150	02-22056	10.0–10.5	QBT3	13960 (J)	3.44	107 (J+)	—	—	2500 (J+)	8.37	NA	6.22	NA	11.9	2220 (J)	7.99	NA	NA	0.533 (U)	—
RE02-03-51176	02-22056	11.5–12.0	QBT3	13580 (J)	3.16	98.6 (J+)	—	—	3480 (J+)	7.55	NA	5.73	NA	19.1	2290 (J)	—	NA	NA	0.484 (U)	—
RE02-03-51152	02-22057	10.0–10.5	QBT3	11320 (J)	3.05	80.5 (J+)	—	—	—	—	NA	4.92	NA	—	—	—	NA	NA	0.524 (U)	—
RE02-03-51178	02-22057	11.5–12.0	QBT3	13220 (J)	3	76 (J+)	—	—	2300 (J+)	—	NA	4.87	NA	—	1880 (J)	—	NA	NA	0.525 (U)	—
RE02-03-51154	02-22058	10.0–10.5	QBT3	10370 (J)	2.89	73.3 (J+)	—	—	—	—	NA	4.68	NA	—	1740 (J)	—	NA	NA	0.515 (U)	—
RE02-03-51155	02-22058	10.0–10.5	QBT3	NA	NA	NA	NA	NA	NA	NA	0.0649 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-03-51156	02-22059	6.0–6.5	QBT3	12800 (J)	3.04	66.3 (J+)	—	—	2640 (J+)	7.37	NA	5.13	NA	16.3	2120 (J)	—	NA	NA	0.509 (U)	—
RE02-03-51182	02-22059	7.5–8.0	QBT3	15750 (J)	3.3	87.3 (J+)	1.3	—	3330 (J+)	9.03	NA	6.61	NA	21.8	2880 (J)	7.86	NA	NA	0.536 (U)	—
RE02-03-51183	02-22059	7.5–8.0	QBT3	NA	NA	NA	NA	NA	NA	NA	0.064 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1025	02-600247	0.0–0.5	ALLH	—	—	—	—	0.587 (U)	—	—	—	—	—	—	—	—	—	0.0011 (J)	13	—
RE02-07-1030	02-600247	0.8–1.6	QBT3	—	—	—	—	—	—	7.26	—	—	—	—	—	—	—	—	6.8	—
RE02-07-1026	02-600247	4.5–6.6	QBT3	—	—	—	—	—	—	28	0.0247 (J)	—	—	—	—	12.7 (U)	—	0.0023	9.42	—
RE02-07-1027	02-600247	9.5–11.6	QBT3	—	—	—	—	—	—	—	—	—	—	16.2	—	—	—	0.000915 (J)	7.1	—
RE02-07-1028	02-600247	14.5–17.0	QBT3	—	—	—	—	—	—	—	0.0328 (J)	—	—	—	—	—	—	0.000584 (J)	5.4	—
RE02-07-1029	02-600247	19.5–22.0	QBT3	—	—	—	—	—	—	—	—	—	—	13	—	—	—	0.00132 (J)	7.99	—
RE02-07-1031	02-600248	0.0–0.5	ALLH	—	—	—	—	0.535 (U)	—	—	—	—	—	—	—	—	1.07 (J)	0.00109 (J)	14.1	—
RE02-07-1036	02-600248	1.0–1.9	QBT3	—	2.96	99.5	—	—	4630 (J+)	10.7	—	—	—	—	—	—	—	0.00176 (J)	12.2	—
RE02-07-1032	02-600248	4.5–6.5	QBT3	—	—	55.3	—	—	2620 (J+)	—	0.0349 (J)	—	—	—	—	—	—	0.00307	0.923 (J)	—
RE02-07-1033	02-600248	9.5–11.7	QBT3	—	—	—	1.61	—	—	—	—	—	—	13.9	—	—	—	0.00435	8.48	—
RE02-07-1034	02-600248	14.5–16.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00194 (J)	6.74	—
RE02-07-1035	02-600248	19.5–21.7	QBT3	—	—	—	—	—	—	7.75 (U)	0.0523 (J)	—	—	—	—	—	—	0.00122 (J)	5.85	—
RE02-07-1037	02-600249	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	—	—	—	—	—	—	2.59	0.00124 (J)	2.42 (U)	—
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	—	1.68 (U)	—
RE02-07-6673	02-600249	4.5–6.7	QBT3	—	—	—	—	—	—	—	0.0514 (J-)	—	—	16.8	—	—	—	0.00123 (J)	7.68	—
RE02-07-6672	02-600249	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	—	18.6	—	—	0.986 (J)	0.00692	6.15	—

Table F-2.12-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH Background Value[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790**[d]	**5680**	**100000**
RE02-07-6671	02-600249	14.5–16.7	QBT3	—	—	—	—	—	—	7.93 (J)	0.0476 (J-)	—	—	—	—	—	—	0.00122 (J)	5.49	—
RE02-07-6674	02-600249	19.5–21.7	QBT3	—	—	—	—	—	—	—	0.0288 (J-)	—	—	—	—	—	—	0.000619 (J)	4.16	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	—	—	—	—	0.575 (U)	—	—	—	—	—	—	—	—	8.68	0.00143 (J)	13.2	79.9
RE02-07-1048	02-600250	0.5–1.2	QBT3	—	2.81	83.8	—	—	—	—	0.0617 (J)	—	—	—	—	—	3.3	0.00203 (J)	10.1	—
RE02-07-1044	02-600250	4.5–6.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.05	0.000825 (J)	0.571 (J)	—
RE02-07-1045	02-600250	9.5–13.4	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	0.963 (J)	0.000895 (J)	0.582 (J)	—
RE02-07-1046	02-600250	14.5–17.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	0.00101 (J)	0.589 (J)	—
RE02-07-1047	02-600250	19.5–21.7	QBT3	—	—	—	—	—	—	—	0.0514 (J)	—	—	—	—	—	—	0.000704 (J)	0.942 (J)	—
RE02-07-1049	02-600251	0.0–0.6	ALLH	—	—	—	—	0.523 (U)	—	—	—	—	1.4	—	—	—	2.5	0.000772 (J)	11.3	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	—	—	52.6 (J+)	—	—	—	9.51	—	—	—	14.3	—	—	—	0.00109 (J)	10.9	—
RE02-07-1050	02-600251	4.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.002 (J)	6.52	—
RE02-07-1051	02-600251	9.5–14.5	QBT3	—	—	—	—	—	—	7.83	—	4.77	—	—	—	—	—	0.00296	11.2	—
RE02-07-1052	02-600251	14.5–18.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.86	—
RE02-07-1053	02-600251	19.5–23.5	QBT3	—	—	—	—	—	—	—	0.057 (J)	—	—	—	—	—	—	0.000636 (J)	5	—
RE02-07-1055	02-600252	0.0–0.8	ALLH	—	—	—	—	0.586 (U)	—	—	—	—	—	—	—	—	—	—	12.6	—
RE02-07-1060	02-600252	0.8–1.5	QBT3	8610	2.9	63.9	—	—	—	—	0.0437 (J)	—	—	—	1980 (J+)	9.86 (J-)	—	0.001 (J)	12.9	—
RE02-07-1056	02-600252	4.5–6.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00348	7.37	—
RE02-07-1057	02-600252	9.5–11.7	QBT3	—	—	—	—	—	—	—	0.0424 (J)	—	—	—	—	—	—	—	1.48 (U)	—
RE02-07-1058	02-600252	14.5–18.2	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.854 (J)	—
RE02-07-1059	02-600252	19.5–21.5	QBT3	—	—	—	—	—	—	—	0.0329 (J)	—	—	—	—	—	—	0.001 (J)	1.48 (U)	—
RE02-07-1061	02-600253	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	0.0561 (J)	—	—	24.1	—	—	1.17	0.00223	10.6	—
RE02-07-1066	02-600253	2.0–3.0	QBT3	—	—	80.1	—	—	—	—	—	—	—	28.5	—	—	—	0.00189 (J)	9.18	—
RE02-07-1062	02-600253	4.5–6.7	QBT3	—	—	—	—	—	—	12.6 (U)	0.0398 (J)	4.67	—	35.3	—	—	—	0.00814	6.19	—
RE02-07-1063	02-600253	9.5–11.7	QBT3	9460 (J+)	4.34	132	2.33	—	2790	7.97 (U)	—	7.15	—	116	2090	10.1	0.802 (J)	0.0147	10.1	—
RE02-07-1064	02-600253	14.5–16.7	QBT3	—	—	—	—	—	—	12.2 (U)	0.038 (J)	—	—	21.9	—	—	—	0.000778 (J)	5.43	—
RE02-07-1065	02-600253	19.5–21.7	QBT3	—	—	—	—	—	—	9.02 (U)	—	—	—	13	—	—	—	—	4.02	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	—	—	—	—	0.57 (U)	—	—	—	—	—	—	—	—	—	0.000917 (J)	—	—
RE02-07-1072	02-600254	1.6–2.5	QBT3	—	—	—	—	—	—	13 (U)	0.034 (J)	—	—	—	—	—	—	0.00131 (J)	1.57 (U)	—
RE02-07-1068	02-600254	4.5–7.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000881 (J)	0.598 (J)	—
RE02-07-1069	02-600254	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	2.89	—	—	—	—	—	1.5 (U)	—
RE02-07-1070	02-600254	14.5–16.7	QBT3	—	—	—	—	—	—	—	0.0605 (J)	—	—	—	—	—	—	0.00149 (J)	1.48 (U)	—
RE02-07-1071	02-600254	19.5–21.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5 (U)	—
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	—	—	—	—	—	—	7.04	—	9.8	48.9

Table F-2.12-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Lead	Magnesium	Nickel	Nitrate	Perchlorate	Selenium	Zinc
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**11.2**	**1690**	**6.58**	**na**	**na**	**0.3**	**63.5**
ALLH Background Value[a]				**29200**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na**	**14.7**	**0.5**	**22.3**	**4610**	**15.4**	**na**	**na**	**1.52**	**48.8**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**800**	**na**	**22700**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	1.38	—	7.3	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000549 (J)	8.44	—
RE02-07-1075	02-600255	9.5–14.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000991 (J)	5.33	—
RE02-07-1076	02-600255	14.5–19.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.47	—
RE02-07-1077	02-600255	19.5–23.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000571 (J)	6.52	—
RE02-07-1079	02-600256	0.0–0.5	ALLH	—	—	—	—	0.582 (U)	—	—	—	—	—	—	—	—	—	—	13	—
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	3.32	223 (J+)	—	—	5110 (J)	9.68	—	—	—	—	1760 (J+)	7.95	—	0.00212 (J)	11.3	—
RE02-07-1080	02-600256	4.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00208	6.62	—
RE02-07-1081	02-600256	9.5–13.5	QBT3	—	—	—	—	—	—	9.94	—	—	—	—	—	—	—	0.00111 (J)	7.33	—
RE02-07-1082	02-600256	14.5–18.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.0012 (J)	6.73	—
RE02-07-1083	02-600256	19.5–23.5	QBT3	—	—	—	—	—	—	—	0.03 (J)	—	—	—	—	—	—	0.00134 (J)	5.52	—
RE02-07-1085	02-600257	0.0–0.8	ALLH	—	—	395	—	0.573 (U)	—	—	0.0604 (J)	—	—	37.2	—	—	—	—	12.3	—
RE02-07-1090	02-600257	0.8–2.1	QBT3	—	—	—	—	—	—	—	—	—	—	42.1	—	—	—	—	5.96	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	—	—	—	—	—	—	—	—	—	—	59.8	—	—	—	0.00234	5.27	—
RE02-07-1087	02-600257	9.5–11.7	QBT3	—	—	—	—	—	—	—	—	—	—	55.7	—	—	—	0.000926 (J)	5.61	—
RE02-07-1088	02-600257	14.5–16.7	QBT3	—	—	—	—	—	—	—	—	—	—	27.8	—	—	—	0.000876 (J)	4.88	—
RE02-07-1089	02-600257	19.5–21.7	QBT3	—	—	—	—	—	—	—	—	—	—	32.4	—	—	—	0.00138 (J)	5.48	—
RE02-07-1091	02-600258	0.0–0.5	ALLH	—	—	—	—	0.596 (U)	—	—	0.0279 (J)	—	—	—	—	—	—	—	8.89	—
RE02-07-1096	02-600258	0.8–2.0	QBT3	—	3.16	75.1	—	—	2330 (J+)	—	0.0381 (J)	—	—	—	—	7.74	—	—	13	—
RE02-07-1092	02-600258	4.5–7.5	QBT3	—	—	—	—	—	—	—	0.072 (J)	—	—	—	—	—	—	0.00136 (J)	0.883 (J)	—
RE02-07-1093	02-600258	9.5–11.7	QBT3	—	—	—	—	—	—	—	0.0427 (J)	—	—	—	—	—	—	0.000622 (J)	1.52 (U)	—
RE02-07-1094	02-600258	14.5–16.7	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00156 (J)	0.577 (J)	—
RE02-07-1095	02-600258	19.5–21.7	QBT3	—	—	49.9 (J-)	—	—	—	—	0.41	—	1.62	—	—	—	—	—	1.03 (J)	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.12-2
Summary of Organic Chemicals Detected at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1242	Aroclor-1254	Aroclor-1260	Dichlorobenzene[1,4-]	Toluene	Trichloroethene
Industrial Soil Screening Levels[a]				**8.26**	**8.26**	**8.26**	**103**	**252**	**1.56**
RE02-07-1037	02-600249	0.0–0.5	ALLH	—[b]	0.011	—	—	NA[c]	NA
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	0.0019 (J)	—	—	—	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	—	0.0057	0.0028 (J)	—	NA	NA
RE02-07-1048	02-600250	0.5–1.2	QBT3	0.0028 (J)	0.0034 (J)	0.0018 (J)	—	—	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	—	—	—	0.000215 (J)	—	0.000313 (J)
RE02-07-1058	02-600252	14.5–18.2	QBT3	0.009	0.0053	0.0017 (J)	—	—	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	—	0.0037 (J)	—	—	NA	NA
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	0.0019 (J-)	0.0016 (J-)	—	NA	NA
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	—	0.000328 (J)	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	—	—	0.000275 (J)
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	—	—	—	—	0.000276 (J)
RE02-07-1090	02-600257	0.8–2.1	QBT3	0.0042 (J-)	0.002 (J-)	—	—	—	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	0.0043 (J)	0.0023 (J)	—	—	—	—
RE02-07-1091	02-600258	0.0–0.5	ALLH	—	0.0042	—	—	NA	NA

Note: All values in mg/kg.

[a] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[b] — = Analyte not detected.

[c] NA = Not analyzed.

Table F-2.12-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-006(a)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 Background/Fallout Value[b]				**na[c]**	**na**	**na**	**na**	**0.09**
ALLH Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-03-51142	02-22052	1.0–1.5	ALLH	0.776	—[e]	0.0861	1.39858	—
RE02-03-51168	02-22052	2.5–3.0	ALLH	0.354	—	0.183	—	—
RE02-03-51144	02-22053	1.0–1.5	ALLH	3.58	—	0.111	6.35942	—
RE02-03-51170	02-22053	2.5–3.0	ALLH	2.24	—	0.12	15.6263	—
RE02-03-51146	02-22054	1.0–1.5	ALLH	5.01	—	0.0534	6.18184	—
RE02-03-51172	02-22054	2.5–3.0	ALLH	0.418	—	—	14.5839	—
RE02-03-51148	02-22055	10.0–10.5	QBT3	9.63	—	0.515	4.71	—
RE02-03-51174	02-22055	11.5–12.0	QBT3	45.4	—	0.713	6.3	—
RE02-03-51150	02-22056	10.0–10.5	QBT3	11.4	—	0.311	20.4029	—
RE02-03-51176	02-22056	11.5–12.0	QBT3	8.39	—	0.394	26.6	—
RE02-03-51152	02-22057	10.0–10.5	QBT3	22.5	—	1.17	18.5	—
RE02-03-51178	02-22057	11.5–12.0	QBT3	1.06	—	—	33.8	—
RE02-03-51154	02-22058	10.0–10.5	QBT3	1.49	—	—	22.235	—
RE02-03-51180	02-22058	11.5–12.0	QBT3	4.35	—	0.221	13.7	—
RE02-03-51156	02-22059	6.0–6.5	QBT3	1.58	—	—	12.1337	—
RE02-03-51182	02-22059	7.5–8.0	QBT3	0.149	—	—	10.9811	—
RE02-07-1025	02-600247	0.0–0.5	ALLH	14.4	—	—	0.512048	—
RE02-07-1030	02-600247	0.8–1.6	QBT3	0.363	—	—	0.850043	—
RE02-07-1026	02-600247	4.5–6.6	QBT3	0.872	—	0.271	5.02181	—
RE02-07-1028	02-600247	14.5–17.0	QBT3	—	—	—	—	0.104
RE02-07-1029	02-600247	19.5–22.0	QBT3	—	—	—	39.7566	—
RE02-07-1031	02-600248	0.0–0.5	ALLH	29.8	—	2.69	0.778652	—
RE02-07-1036	02-600248	1.0–1.9	QBT3	1.82	—	0.219	4.05451	—
RE02-07-1032	02-600248	4.5–6.5	QBT3	—	—	—	23.8275	—
RE02-07-1033	02-600248	9.5–11.7	QBT3	—	—	—	1.56931	—
RE02-07-1034	02-600248	14.5–16.5	QBT3	0.736	—	0.212	18.8	—
RE02-07-1035	02-600248	19.5–21.7	QBT3	—	—	—	20.4	0.113
RE02-07-1037	02-600249	0.0–0.5	ALLH	—	—	—	1.61266	—
RE02-07-1042	02-600249	1.4–3.1	QBT3	—	—	—	1.14866	—
RE02-07-6673	02-600249	4.5–6.7	QBT3	—	—	—	67.6118	—

Table F-2.12-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.09**
ALLH Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-07-6672	02-600249	9.5–11.7	QBT3	—	—	—	29.5387	—
RE02-07-6671	02-600249	14.5–16.7	QBT3	—	—	—	8.17	—
RE02-07-6674	02-600249	19.5–21.7	QBT3	—	—	—	6.11	—
RE02-07-1043	02-600250	0.0–0.5	ALLH	2.62	—	—	0.0938623	—
RE02-07-1048	02-600250	0.5–1.2	QBT3	1.84	—	—	0.190247	—
RE02-07-1044	02-600250	4.5–6.7	QBT3	—	—	—	0.76201	—
RE02-07-1046	02-600250	14.5–17.0	QBT3	—	—	0.243	12	—
RE02-07-1047	02-600250	19.5–21.7	QBT3	—	—	—	18.8	—
RE02-07-1049	02-600251	0.0–0.6	ALLH	2.43	—	—	0.13848	—
RE02-07-1054	02-600251	0.6–1.4	QBT3	0.337	—	—	0.449984	—
RE02-07-1050	02-600251	4.5–8.5	QBT3	—	—	—	3.12516	0.0986
RE02-07-1052	02-600251	14.5–18.5	QBT3	—	—	—	5.15323	0.132
RE02-07-1053	02-600251	19.5–23.5	QBT3	—	—	—	5.43503	—
RE02-07-1051	02-600251	9.5–14.5	QBT3	—	—	—	53.6455	—
RE02-07-1055	02-600252	0.0–0.8	ALLH	19.8	—	2.28	—	—
RE02-07-1060	02-600252	0.8–1.5	QBT3	0.491	—	—	0.575857	—
RE02-07-1056	02-600252	4.5–6.5	QBT3	—	—	—	12.977	—
RE02-07-1057	02-600252	9.5–11.7	QBT3	—	—	—	5.67	—
RE02-07-1059	02-600252	19.5–21.5	QBT3	—	—	—	12.7	—
RE02-07-1061	02-600253	0.0–0.5	ALLH	7.14	—	—	1.73374	—
RE02-07-1066	02-600253	2.0–3.0	QBT3	0.658	—	—	2.79491	—
RE02-07-1062	02-600253	4.5–6.7	QBT3	—	—	—	32.6635	—
RE02-07-1063	02-600253	9.5–11.7	QBT3	—	—	—	167.677	—
RE02-07-1064	02-600253	14.5–16.7	QBT3	—	—	—	8.41	—
RE02-07-1065	02-600253	19.5–21.7	QBT3	—	—	—	4.15	—
RE02-07-1067	02-600254	0.0–0.5	ALLH	6.2	—	—	0.689108	—
RE02-07-1072	02-600254	1.6–2.5	QBT3	—	—	—	1.83927	—
RE02-07-1068	02-600254	4.5–7.5	QBT3	—	—	—	13.5914	0.0942
RE02-07-1070	02-600254	14.5–16.7	QBT3	—	—	—	12.2	—
RE02-07-1071	02-600254	19.5–21.7	QBT3	—	—	—	—	0.104
RE02-07-1073	02-600255	0.0–0.5	ALLH	—	0.0626	—	0.394502	—

Table F-2.12-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.09**
ALLH Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**87**
RE02-07-1078	02-600255	0.5–1.5	QBT3	—	—	—	0.207156	—
RE02-07-1074	02-600255	4.5–9.5	QBT3	—	—	—	2.91291	—
RE02-07-1075	02-600255	9.5–14.0	QBT3	—	—	—	10.362	—
RE02-07-1076	02-600255	14.5–19.0	QBT3	—	—	—	30.3524	—
RE02-07-1077	02-600255	19.5–23.5	QBT3	—	—	—	30.0152	—
RE02-07-1084	02-600256	0.5–1.9	QBT3	—	—	—	1.30913	—
RE02-07-1080	02-600256	4.5–8.5	QBT3	—	—	—	5.067	—
RE02-07-1081	02-600256	9.5–13.5	QBT3	—	—	—	21.6809	0.115
RE02-07-1082	02-600256	14.5–18.5	QBT3	—	—	—	11.3624	—
RE02-07-1083	02-600256	19.5–23.5	QBT3	—	—	—	31.8669	—
RE02-07-1085	02-600257	0.0–0.8	ALLH	0.125	—	—	—	—
RE02-07-1086	02-600257	4.5–6.7	QBT3	—	—	—	1.16667	—
RE02-07-1087	02-600257	9.5–11.7	QBT3	—	—	—	4.56519	—
RE02-07-1088	02-600257	14.5–16.7	QBT3	—	—	—	4.17858	—
RE02-07-1089	02-600257	19.5–21.7	QBT3	—	—	—	5.03305	—
RE02-07-1092	02-600258	4.5–7.5	QBT3	—	—	—	0.0248608	—
RE02-07-1094	02-600258	14.5–16.7	QBT3	—	—	—	0.147696	—
RE02-07-1095	02-600258	19.5–21.7	QBT3	—	—	—	0.0403444	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.13-1
Summary of Inorganic Chemicals above BV at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**100000**
CA02-00-0157	02-01094	0.0–0.5	SED	—[e]	—	—	—	—	—	—	NA[f]	—	—
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	—	—	—	—	—	0.158 (J-)	—	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	—	—	0.531 (U)	—	—	NA	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	—	—	—	—	0.528 (U)	—	25.8	NA	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	0.566 (U)	—	29	NA	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	8190	—	1.79 (U)	—	0.595 (U)	—	12.5 (U)	NA	—	6040
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	—	0.488 (U)	—	—	NA	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	0.56 (U)	—	35.4	NA	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	11000 (J+)	—	0.849 (U)	31.5	0.583 (U)	—	4.73	NA	—	6110
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1420	02-600353	9.0–14.0	QAL	—	—	—	—	0.568 (U)	—	—	NA	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	6270 (J+)	—	1.23 (J)	—	0.624 (U)	—	4.4	NA	—	6140
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	—	—	2	—	—	NA	—	—
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	—	0.545 (U)	—	—	NA	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-1424	02-600354	14.0–19.0	QBO	9650 (J+)	—	1.74 (U)	55.3	0.578 (U)	—	16.3 (J)	NA	—	6600
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	—	—	1.44	—	—	NA	—	—
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1429	02-600355	9.0–15.0	QBO	5480 (J+)	—	0.902 (J)	31.1	0.574 (U)	—	7.19 (J)	NA	—	6540
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	—	—	0.764	—	—	NA	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	—	0.549 (U)	11000 (J)	—	NA	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	—	—	0.56 (U)	35200 (J+)	—	NA	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	0.572 (U)	—	—	NA	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	9840 (J+)	0.508 (UJ)	1.88 (U)	26.2 (J+)	0.626 (U)	—	4.73	NA	—	6010
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	0.557 (U)	—	—	NA	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	0.57 (U)	—	—	NA	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	13200 (J+)	—	1.15 (J)	92.1 (J+)	0.624 (U)	—	7.12	NA	4.62	8630

Table F-2.13-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	—	0.555 (U)	—	—	NA	—	—
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	0.566 (U)	—	39.5	NA	—	—
RE02-07-1449	02-600359	20.0–22.0	QBO	6820 (J+)	0.526 (UJ)	1.98 (U)	—	0.662 (U)	—	9.12	NA	—	8360 (J)
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	—	0.532 (U)	26100 (J+)	—	NA	—	—
RE02-07-1454	02-600360	9.0–14.0	QBO	8960	—	1.71 (U)	47.1 (J+)	0.568 (U)	—	—	NA	4.58	7330
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	—	—	0.516	—	—	NA	—	—
RE02-07-1458	02-600361	4.5–7.5	QAL	—	—	—	—	0.542 (U)	26000 (J+)	—	NA	—	—
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	0.525 (U)	—	—	NA	—	—
RE02-07-1459	02-600361	18.5–21.0	QBO	5900	—	1.82 (U)	—	0.606 (U)	—	—	NA	—	5870
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	—	—	0.406 (J)	—	—	NA	—	—
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	—	0.553 (U)	—	—	NA	—	—
RE02-07-1465	02-600362	9.0–14.0	QAL	—	—	—	—	0.566 (U)	—	—	NA	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	8760 (J+)	—	1.74 (J)	50.3	0.605 (U)	—	28.8	NA	5.42 (J)	8260 (J)
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	0.562 (U)	—	—	NA	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	0.56 (U)	—	—	NA	—	—
RE02-07-1469	02-600363	18.5–20.5	QBO	6160 (J+)	0.531 (U)	0.718 (U)	—	0.663 (U)	—	11.9	NA	—	4960
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	—	0.52 (U)	—	—	NA	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	0.523 (U)	—	—	NA	—	—
RE02-07-1475	02-600364	9.5–15.0	QAL	—	—	—	—	0.601 (U)	—	—	NA	—	—
RE02-07-1474	02-600364	15.0–20.0	QBO	10500	—	0.882 (J)	—	0.591 (U)	—	8.9 (U)	NA	—	6140
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	NA	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	0.528 (U)	—	—	NA	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	9420	—	1.87	59.5	0.583 (U)	—	10.5 (U)	NA	—	7030
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	—	—	0.531 (U)	13900 (J)	—	NA	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	4000 (J+)	—	0.611 (J)	26.4 (J+)	0.609 (U)	—	10.3	NA	—	7250
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	—	—	0.523 (U)	—	—	NA	—	—

Table F-2.13-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
CA02-00-0157	02-01094	0.0–0.5	SED	31	—	0.84 (J-)	—	NA	—	0.4	—	—	140
CA02-00-0161	02-01251	0.0–0.5	SED	28 (J+)	—	0.54	—	NA	—	0.533	1.7	—	110 (J+)
RE02-03-51812	02-22345	3.5–4.0	ALLH	3970 (J)	—	—	—	NA	—	—	—	—	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	2.63	—	2.29	—	—	—	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	103	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	—	1.7 (U)	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	221	—	2.06 (U)	—	—	1.79 (U)	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	0.553	—	1.17	—	—	—	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	43	—	—	—	—	—	1.62 (U)	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	1.68 (U)	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	295 (J+)	—	—	—	—	1.75 (U)	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	0.503	—	1.26	0.00135 (J)	—	—	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	25.8	0.000871 (J)	1.69 (U)	—	—	—
RE02-07-1420	02-600353	9.0–14.0	QAL	—	—	0.115	—	1.14	—	—	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	251	—	—	—	—	8.55	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	0.742	—	—	0.000516 (J)	1.53 (U)	—	—	52.2
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	—	8.11	0.000601 (J)	—	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1424	02-600354	14.0–19.0	QBO	—	221	—	2.09	—	—	0.826 (J)	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	0.246	—	0.8 (J)	—	—	—	—	59.6
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	5.9	—	—	—	—	—
RE02-07-1429	02-600355	9.0–15.0	QBO	—	268	—	—	—	—	0.883 (J)	—	4.99	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	0.467	—	—	—	—	—	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	0.401	—	6.85	0.000747 (J)	—	—	—	54.6
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	0.464	—	0.826 (J)	—	1.53 (U)	—	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	0.194	—	8.25 (J-)	0.00169 (J)	—	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	201 (J+)	—	—	—	—	1.24 (J)	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	0.302	—	1.6	0.00073 (J)	—	—	—	62.7
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	0.471	—	8.37 (J-)	0.0104	1.67 (U)	—	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	—	548 (J+)	—	4.26	—	—	0.772 (J)	—	6	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	0.194	—	—	—	—	—	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	0.209	—	8.42 (J-)	—	—	—	—	84.8
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	1.13 (J-)	—	—	—	—	—

Table F-2.13-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
RE02-07-1449	02-600359	20.0–22.0	QBO	—	215 (J)	—	—	—	—	0.778 (J)	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	0.722	—	1.05	—	—	—	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	—	4.12	0.0015 (J)	—	—	—	—
RE02-07-1454	02-600360	9.0–14.0	QBO	—	249 (J+)	—	2.03	—	—	0.999 (J)	—	7.24	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	0.454	—	1.58	—	—	—	—	52.3 (J+)
RE02-07-1458	02-600361	4.5–7.5	QAL	—	—	0.175	—	—	0.00232	1.58 (J)	—	—	52.4
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	1.72	—	—	—	—	—
RE02-07-1459	02-600361	18.5–21.0	QBO	—	—	—	—	—	—	0.996 (J)	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	0.53	—	1.39	—	—	—	—	55.8 (J+)
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	0.168	—	4.26 (J-)	—	1.58 (J)	—	—	—
RE02-07-1465	02-600362	9.0–14.0	QAL	—	—	0.108	—	—	—	—	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	380 (J)	—	—	—	—	1.5 (J)	—	7.66	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	1.52	—	1.38	—	—	—	—	—
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	1.26	—	1.69 (U)	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	1.68 (U)	—	—	—
RE02-07-1469	02-600363	18.5–20.5	QBO	—	217 (J+)	—	2.11	—	—	0.814 (J)	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	6.04	—	—	—	—	—	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	3.2	—	—	—	—	—
RE02-07-1475	02-600364	9.5–15.0	QAL	—	—	—	—	—	—	1.8 (U)	—	—	—
RE02-07-1474	02-600364	15.0–20.0	QBO	—	221	—	2.99 (U)	—	—	1.77 (U)	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	1.33	—	1.81	—	—	—	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	2.65 (J-)	—	—	—	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	1.99	—	—	87.6
RE02-07-1479	02-600365	17.5–20.0	QBO	—	312	—	4.46 (U)	—	—	1.21 (J)	—	7.59	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	0.619	—	—	—	—	—	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	0.193	—	8.47	0.000893 (J)	—	—	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	—	—	—	2.57	—	0.0115	1.25 (J)	—	7.79	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	0.179	—	1.55	—	0.842 (J)	—	—	—

Note: All values in mg/kg.
[a] Background values are from LANL 1998, 059730.
[b] na = Not available.
[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.
[d] EPA Region 6 (EPA 2007, 095866).
[e] — = Analyte not reported (detect or nondetect) above BV or not detected.
[f] NA = Not analyzed.

Table F-2.13-2
Summary of Organic Chemicals Detected at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**2310**
CA02-00-0157	02-01094	0.0–0.5	SED	—[c]	—	—	—	—	—	1	—	—	0.12 (J)	—	0.12 (J)	—	0.15 (J)
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	0.56	0.21 (J)	0.23 (J)	0.2 (J)	0.19 (J)	0.21 (J)	—	0.29 (J)
RE02-03-51812	02-22345	3.5–4.0	ALLH	0.0172 (J)	NA[d]	0.139	NA	NA	NA	NA	—	0.301 (J)	0.615 (J)	—	—	0.109 (J)	0.363
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	NA	—	NA	NA	NA	NA	—	—	—	—	—	0.0982 (J)	—
RE02-07-1407	02-600351	0.0–0.5	ALLH	0.0218 (J)	NA	0.0335 (J)	—	—	—	0.0626	—	0.0978 (J)	0.141 (J)	0.0612 (J)	—	—	0.0875
RE02-07-1408	02-600351	4.5–6.9	QAL	0.0433	—	0.0775	—	—	0.0047	0.0034 (J)	0.113	0.178	0.148	—	—	—	0.0899
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	0.0088 (J)	0.0124 (J)	—	0.292	0.0465 (J)	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	—	—	—	—	—	—	0.0963	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	NA	0.0282 (J)	—	—	—	0.037	0.178	0.163	0.291	—	—	—	0.192
RE02-07-1413	02-600352	4.5–9.0	QAL	0.302	—	0.363	—	—	0.0033 (J)	—	0.454	0.558	0.703	0.259	—	—	0.492
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	0.0539	NA	0.0784	—	—	—	0.0856	0.14	0.169	0.259	0.0714	—	—	0.152
RE02-07-1418	02-600353	4.5–9.0	QAL	0.0738	—	0.117	—	—	0.012	—	0.192	0.184	0.219	0.193	0.11	—	0.205
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	0.4	NA	0.613	—	—	—	0.117	0.977	1.13	1.55	0.526	—	—	0.937
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0718	—	0.109	—	—	0.0109	0.0078	0.224	0.264 (J)	0.304 (J)	0.149 (J)	0.183 (J)	—	0.233
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	0.0287	—	—	—	—	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	0.285	NA	0.821	—	—	—	0.0347	1.4	1.51	1.75	0.446	—	—	1.3
RE02-07-1428	02-600355	4.5–9.0	QAL	0.0596	—	0.098	—	—	—	—	0.18	0.218	0.252	0.122	0.104	—	0.191
RE02-07-1432	02-600356	0.0–0.5	ALLH	0.134	NA	0.235	—	—	—	0.0992	0.415	0.53	0.822	0.204	—	—	0.474
RE02-07-1433	02-600356	4.5–9.0	QAL	0.0164 (J)	—	0.0222 (J)	—	—	0.0353 (J)	0.0195 (J)	0.0628 (J)	0.0723 (J)	0.0792 (J)	0.0445 (J)	—	—	0.073 (J)
RE02-07-1437	02-600357	0.0–0.5	ALLH	0.175	NA	0.261	—	—	—	0.0636	0.416	0.485	0.547	0.211	—	—	0.421
RE02-07-1438	02-600357	4.5–9.0	QAL	0.0325 (J)	—	0.0428	—	—	0.0245 (J)	—	0.0966	0.076 (J)	0.127 (J)	0.0996 (J)	0.0546 (J)	—	0.112
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	0.142	NA	0.231	—	—	—	0.225	0.407	0.47	0.692	0.194	—	—	0.399
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	—	0.234	0.0914	—	0.061	0.0256 (J)	—	—	—	0.0199 (J)
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	0.06	NA	0.0998	—	—	—	0.0983	0.196	0.264	0.426	0.101	—	—	0.215

Table F-2.13-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**2310**
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	0.0153 (J)	—	—	0.0498	0.0407	0.0399	—	0.0588	—	—	—	0.0345 (J)
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	0.003 (J)	0.0027 (J)	—	—	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	0.0172 (J)	NA	0.0277 (J)	—	—	—	0.11	0.0715	0.0817	0.136	—	—	—	0.0807
RE02-07-1453	02-600360	4.5–9.0	QAL	0.234	0.00434 (J)	0.422	—	—	0.0245	0.0441	0.687	0.791 (J)	0.969 (J)	0.393 (J)	0.432 (J)	—	0.718
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.0258 (J)	NA	0.038	—	—	0.0526	0.11	0.0925	0.104	0.118	0.0873	0.0583	—	0.0957
RE02-07-1458	02-600361	4.5–7.5	QAL	0.252 (J-)	—	0.449 (J-)	—	—	0.0336 (J)	0.0354 (J)	0.671 (J-)	0.768 (J)	0.924 (J)	0.37 (J)	0.462 (J)	—	0.747 (J-)
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	0.0014 (J)	—	—	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	0.213	NA	0.0382	—	—	0.0782 (J)	0.106 (J-)	0.0985	0.118	0.144	0.0793	0.0733	—	0.106
RE02-07-1463	02-600362	4.5–9.0	QAL	0.0277 (J)	—	0.0661	—	—	0.0121	0.0059	0.151	0.157	0.188	0.0764	—	—	0.151
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	0.0151	—	0.00691	0.0031 (J)	—	—	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	0.0222 (J)	NA	0.0693	—	—	0.04	0.0631	0.295	0.241	0.284	0.138	0.154	—	0.321
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	0.0037 (J)	—	—	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	NA	0.0117 (J)	—	—	—	0.0229 (J)	—	0.066 (J)	0.101 (J)	0.0573 (J)	—	—	0.0795 (J)
RE02-07-1473	02-600364	4.5–6.5	QAL	0.023 (J)	—	—	—	—	0.0014 (J)	—	—	0.085	0.0106 (J)	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	NA	0.0185 (J)	—	—	—	0.115	—	0.0473	0.0623	0.0252 (J)	—	—	0.0415
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	—	—	—	0.0051	—	0.0357 (J)	0.044	0.0155 (J)	—	—	0.0283 (J)
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	0.517	NA	0.74	—	—	—	0.0655	1.15	1.36 (J)	2.1 (J)	0.462 (J)	—	—	1.11
RE02-07-1483	02-600366	4.5–9.0	QAL	0.364	—	0.518	—	—	0.0072 (J)	0.0065 (J)	0.817	0.891 (J)	1.02 (J)	0.449 (J)	—	—	0.774
RE02-07-1486	02-600367	0.0–0.5	SED	—	NA	—	—	—	—	0.0138 (J)	—	0.0696 (J)	0.107 (J)	0.0489 (J)	—	—	0.0497 (J)

Table F-2.13-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Dichlorobenzene[1,4-]	Diethylphthalate	Ethylbenzene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methyl-2-pentanone[4-]	Methylene Chloride
Industrial Soil Screening Levels[b]				**68400**	**2.34**	**1620**	**103**	**100000**	**128**	**24400**	**26500**	**23.4**	**389[e]**	**7010**	**490**
CA02-00-0157	02-01094	0.0–0.5	SED	—	—	—	—	0.37 (J)	—	0.21 (J)	—	—	—	—	—
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	—	—	—	—	0.49 (J)	—	0.16 (J)	—	—	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	0.0269 (J)	—	—	NA	0.809	0.0657	—	NA	NA	NA
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	—	—	—	—	NA	0.0518	0.005 (J)	—	NA	NA	NA
RE02-07-1407	02-600351	0.0–0.5	ALLH	—	—	—	—	—	NA	0.128	0.0175 (J)	0.0441 (J)	NA	NA	NA
RE02-07-1408	02-600351	4.5–6.9	QAL	—	—	—	—	—	—	0.189	0.0499	0.107	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	—	—	—	—	0.0626 (J)	—	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	—	—	—	—	0.0143 (J)	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	—	—	NA	0.252	—	0.0576 (J)	NA	NA	NA
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	0.184 (J)	—	—	—	1.04	0.272	0.241	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	—	—	—	—	—	NA	0.296	0.0444	0.0681	NA	NA	NA
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	—	—	—	0.398	0.0627	0.208	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	0.234 (J)	—	—	NA	1.94	0.362	0.501	NA	NA	NA
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0407 (J)	—	—	—	—	—	0.512	0.0594	0.129 (J)	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	—	—	0.132 (J)	—	—	NA	2.52	0.306	0.464	NA	NA	NA
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	—	—	—	0.328	0.0544	0.115	—	—	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	—	—	0.0704 (J)	—	—	NA	0.894	0.111	0.208	NA	NA	NA
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	—	—	—	0.136	0.0129 (J)	0.0454 (J)	—	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	0.102 (J)	—	—	NA	0.848	0.153	0.227	NA	NA	NA
RE02-07-1438	02-600357	4.5–9.0	QAL	—	—	—	—	—	—	0.263	0.0272 (J)	0.122 (J)	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	0.0858 (J)	—	—	NA	0.828	0.13	0.201	NA	NA	NA
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	—	—	0.000276 (J)	0.0406	—	—	—	0.01	—
RE02-07-1445	02-600358	9.0–14.0	QAL	0.155 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	—	—	—	—	—	NA	0.394	0.0561	0.107	NA	NA	NA
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	—	—	—	0.064	—	—	—	—	—
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	—	—	—	—	—	NA	0.141	0.0158 (J)	0.0367	NA	NA	NA

Table F-2.13-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Dichlorobenzene[1,4-]	Diethylphthalate	Ethylbenzene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methyl-2-pentanone[4-]	Methylene Chloride
Industrial Soil Screening Levels[b]				**68400**	**2.34**	**1620**	**103**	**100000**	**128**	**24400**	**26500**	**23.4**	**389**[e]	**7010**	**490**
RE02-07-1453	02-600360	4.5–9.0	QAL	—	0.194 (J)	0.165 (J)	0.000282 (J)	—	—	1.66	0.237	0.389 (J)	0.000507 (J)	—	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.0343 (J)	—	—	—	—	NA	0.163	0.0175 (J)	0.0732	NA	NA	NA
RE02-07-1458	02-600361	4.5–7.5	QAL	—	0.188 (J)	0.178 (J-)	—	—	—	1.68 (J-)	0.243 (J-)	0.407 (J)	—	—	—
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	—	—	—	—	—	NA	0.193	0.0205 (J)	0.0764	NA	NA	NA
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	—	—	—	0.263	0.0281 (J)	0.0712	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	0.0356 (J)	—	—	—	—	NA	0.481	0.016 (J)	0.109	NA	NA	NA
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	—	—	NA	0.077	—	0.0361 (J)	NA	NA	NA
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	—	—	—	—	NA	0.0643	—	0.0131 (J)	NA	NA	NA
RE02-07-1478	02-600365	4.5–7.0	QAL	0.0379 (J)	—	—	—	—	—	0.0459	—	—	—	—	0.003 (J)
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	—	—	—	—	—	0.00265 (J)
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	0.00294 (J)
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	0.329 (J)	—	—	NA	2.21	0.465	0.468 (J)	NA	NA	NA
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	0.244 (J)	—	—	—	1.82	0.342	0.444 (J)	—	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	—	—	—	NA	0.0629	—	0.0346 (J)	NA	NA	NA

Table F-2.13-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**300[f]**	**300**	**20500**	**30900**	**100**	**252**	**200[g]**	**1.56**	**213**	**69.2**	**99.5**	**82**
CA02-00-0157	02-01094	0.0–0.5	SED	—	—	—	0.2 (J)	—	—	NA	—	—	—	NA	NA
CA02-00-0161	02-01251	0.0–0.5	SED	—	—	0.26 (J)	0.45 (J)	—	—	NA	—	—	—	NA	NA
RE02-03-51812	02-22345	3.5–4.0	ALLH	—	—	0.693	0.812	NA	NA	NA	NA	NA	NA	NA	NA
RE02-03-51813	02-22345	5.0–5.5	ALLH	—	—	0.0391	0.0422	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1407	02-600351	0.0–0.5	ALLH	0.0106 (J)	0.0237 (J)	0.131	0.179	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1408	02-600351	4.5–6.9	QAL	0.0277 (J)	0.0788	0.243	0.206	—	—	NA	—	—	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	—	—	0.0565 (J)	0.0525 (J)	—	—	NA	—	—	—	—	—
RE02-07-1409	02-600351	17.0–22.5	QBO	—	—	0.0141 (J)	—	—	—	NA	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	0.109	0.362	NA	NA	66.7	NA	NA	NA	NA	NA
RE02-07-1413	02-600352	4.5–9.0	QAL	0.22	0.585	1.25	1.19	—	—	9.01	—	—	—	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	—	—	—	5.1 (J)	—	—	—	—	—
RE02-07-1414	02-600352	18.5–21.0	QBO	—	—	—	—	—	—	1.99 (J)	—	—	—	—	—
RE02-07-1417	02-600353	0.0–0.5	ALLH	0.027 (J)	0.0711	0.269	0.3	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1418	02-600353	4.5–9.0	QAL	0.041	0.104	0.417	0.363	—	—	NA	—	—	—	—	—
RE02-07-1419	02-600353	19.0–22.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	0.218	0.566	1.89	1.88	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1423	02-600354	4.5–9.0	QAL	0.0345 (J)	0.0804	0.354	0.467	—	—	NA	—	—	—	—	—
RE02-07-1425	02-600354	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1427	02-600355	0.0–0.5	ALLH	0.05	0.0919	1.96	2.9	NA	NA	29.5	NA	NA	NA	NA	NA
RE02-07-1428	02-600355	4.5–9.0	QAL	0.0348 (J)	0.0795	0.339	0.351	—	—	12.5 (J)	—	—	—	—	—
RE02-07-1432	02-600356	0.0–0.5	ALLH	0.0582	0.116	0.784	1.02	NA	NA	18.9	NA	NA	NA	NA	NA
RE02-07-1433	02-600356	4.5–9.0	QAL	0.0074 (J)	0.0133 (J)	0.0843	0.149 (J)	—	—	20.7 (J)	—	—	—	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	0.104	0.294	0.857	0.938	NA	NA	29.7	NA	NA	NA	NA	NA
RE02-07-1438	02-600357	4.5–9.0	QAL	0.0199 (J)	0.0687	0.171	0.244	—	—	29.9 (J)	—	—	—	—	—
RE02-07-1440	02-600357	14.0–17.0	QAL	—	—	—	—	—	—	9.35 (J)	—	—	—	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	—	—	—	1.65 (J)	—	—	—	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	0.0747	0.155	0.79	0.86	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	0.0296 (J)	0.0387	—	—	NA	—	—	—	0.000493 (J)	0.000469 (J)
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1447	02-600359	0.0–0.5	ALLH	0.0354	0.0742	0.349	0.361	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1448	02-600359	4.5–9.0	QAL	—	0.013 (J)	0.056	0.0603	—	—	NA	—	—	—	—	—

Table F-2.13-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**300**[f]	**300**	**20500**	**30900**	**100**	**252**	**200**[g]	**1.56**	**213**	**69.2**	**99.5**	**82**
RE02-07-1450	02-600359	9.0–14.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1452	02-600360	0.0–0.5	ALLH	0.0078 (J)	0.0177 (J)	0.108	0.158	NA	NA	12.2 (J)	NA	NA	NA	NA	NA
RE02-07-1453	02-600360	4.5–9.0	QAL	0.139	0.286	1.36	1.41	0.00023 (J)	—	46.8	—	0.000293 (J)	0.000234 (J)	—	0.000305 (J)
RE02-07-1457	02-600361	0.0–0.5	ALLH	0.00892 (J)	0.0175 (J)	0.137	0.188	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1458	02-600361	4.5–7.5	QAL	0.151 (J-)	0.416 (J-)	1.36 (J-)	1.53 (J-)	—	—	NA	—	0.000494 (J)	0.000232 (J)	—	0.000451 (J)
RE02-07-1460	02-600361	8.5–13.5	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1462	02-600362	0.0–0.5	ALLH	0.00992 (J)	0.0188 (J)	0.152	0.218	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1463	02-600362	4.5–9.0	QAL	0.0166 (J)	0.0367 (J)	0.216	0.243	—	—	NA	—	—	—	—	—
RE02-07-1464	02-600362	14.0–19.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	0.233	0.78	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1468	02-600363	4.5–8.5	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	0.0477	0.122 (J)	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	—	—	0.000433 (J)	NA	0.000265 (J)	—	—	—	—
RE02-07-1477	02-600365	0.0–0.5	ALLH	—	0.0128 (J)	0.06	0.0759	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	0.0258 (J)	0.0432	—	—	NA	—	—	—	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	—	—	—	—	—	NA	—	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	0.33	0.799	2.39	2.67	NA	NA	NA	NA	NA	NA	NA	NA
RE02-07-1483	02-600366	4.5–9.0	QAL	0.267	0.72	1.81	1.55	—	—	NA	—	—	—	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	—	0.0382	0.0845 (J)	NA	NA	NA	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

[g] Value from NMED (NMED 2006, 094614).

Table F-2.13-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-006(b)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**4**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**1500**	**87**
CA02-00-0157	02-01094	0.0–0.5	SED	—[e]	1.91	—	0.277	7.87	0.278 (J-)
CA02-00-0161	02-01251	0.0–0.5	SED	—	2.11	—	—	NA[f]	—
RE02-03-51812	02-22345	3.5–4.0	ALLH	1.83	—	0.949	0.156	—	—
RE02-03-51813	02-22345	5.0–5.5	ALLH	0.169	—	1.29	0.0773	—	—
RE02-07-1408	02-600351	4.5–6.9	QAL	0.632	—	0.653	—	—	—
RE02-07-1410	02-600351	9.5–14.5	QAL	0.214	—	—	—	—	—
RE02-07-1412	02-600352	0.0–0.5	ALLH	—	—	—	0.00558228	—	—
RE02-07-1413	02-600352	4.5–9.0	QAL	—	—	—	0.174622	—	—
RE02-07-1415	02-600352	9.0–15.0	QAL	—	—	—	0.0580188	—	—
RE02-07-1418	02-600353	4.5–9.0	QAL	—	—	—	0.533933	—	—
RE02-07-1422	02-600354	0.0–0.5	ALLH	—	—	—	0.0099814	—	—
RE02-07-1423	02-600354	4.5–9.0	QAL	—	—	—	0.482857	—	—
RE02-07-1428	02-600355	4.5–9.0	QAL	—	—	—	0.219756	—	—
RE02-07-1433	02-600356	4.5–9.0	QAL	—	—	—	0.306667	—	—
RE02-07-1437	02-600357	0.0–0.5	ALLH	—	—	—	0.00564891	—	—
RE02-07-1438	02-600357	4.5–9.0	QAL	0.197	—	—	0.536697	—	—
RE02-07-1439	02-600357	17.0–19.0	QBO	—	—	—	0.0725337	—	—
RE02-07-1442	02-600358	0.0–0.5	ALLH	—	—	—	0.00642603	—	—
RE02-07-1443	02-600358	4.5–9.0	QAL	—	—	—	2.46369	—	—
RE02-07-1445	02-600358	9.0–14.0	QAL	—	—	—	0.061993	—	—
RE02-07-1444	02-600358	14.0–19.0	QBO	—	—	—	0.152202	—	—
RE02-07-1448	02-600359	4.5–9.0	QAL	—	—	—	0.150582	—	—
RE02-07-1453	02-600360	4.5–9.0	QAL	—	—	—	0.0949114	—	—
RE02-07-1457	02-600361	0.0–0.5	ALLH	—	—	—	0.00576766	—	—
RE02-07-1458	02-600361	4.5–7.5	QAL	0.308	—	—	0.209768	—	—
RE02-07-1463	02-600362	4.5–9.0	QAL	—	—	—	0.285075	—	—
RE02-07-1467	02-600363	0.0–0.5	ALLH	—	—	—	0.00535299	—	—
RE02-07-1470	02-600363	8.5–18.0	QAL	—	0.0371	—	—	—	—

Table F-2.13-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**4**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**1500**	**87**
RE02-07-1469	02-600363	18.5–20.5	QBO	—	—	—	—	—	0.218
RE02-07-1472	02-600364	0.0–0.5	ALLH	—	—	—	0.0073817	—	—
RE02-07-1473	02-600364	4.5–6.5	QAL	—	—	—	0.158302	—	—
RE02-07-1478	02-600365	4.5–7.0	QAL	—	—	—	0.0897425	—	—
RE02-07-1480	02-600365	9.5–11.4	QAL	—	0.117	—	—	—	—
RE02-07-1479	02-600365	17.5–20.0	QBO	—	0.0968	—	—	—	—
RE02-07-1482	02-600366	0.0–0.5	ALLH	—	—	—	0.00350391	—	—
RE02-07-1483	02-600366	4.5–9.0	QAL	—	—	—	0.331111	—	—
RE02-07-1485	02-600366	9.0–14.0	QAL	—	—	—	0.0325006	—	—
RE02-07-1484	02-600366	14.0–19.0	QBO	—	—	—	0.0639426	—	—
RE02-07-1486	02-600367	0.0–0.5	SED	—	0.146	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

[f] NA = Not analyzed.

Table F-2.14-1
Summary of Inorganic Chemicals above BV at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/Q AL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2618	02-600585	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	—	—	0.362	—	2.33 (J-)	—	—	—	54.4
RE02-07-2619	02-600585	4.5–9.0	QAL	—	—	—	0.539 (U)	—	—	—	—	—	—	0.132	—	6.52	0.00132 (J)	—	—	—
RE02-07-2621	02-600585	9.0–14.0	QAL	—	—	—	0.569 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2622	02-600586	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.378	—	2.23 (J-)	—	—	—	59.7
RE02-07-2623	02-600586	4.5–9.0	QAL	—	—	—	0.572 (U)	—	—	—	—	—	—	—	—	6.67	0.00162 (J)	—	—	—
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	0.554 (U)	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2624	02-600586	14.0–19.0	QBO	7760	1.94 (U)	56.9	0.567 (U)	—	15.6	—	—	7440	287	—	2.14	—	—	0.678 (J)	6.39	—
RE02-07-2626	02-600587	0.0–0.5	ALLH	—	—	—	0.515 (U)	9020 (J+)	—	—	15	—	—	1.36 (J)	—	1.12	—	—	—	53.4
RE02-07-2628	02-600587	12.5–18.0	QBO	10300	1.96	51.5	0.61 (U)	—	28.6	0.313	6.27 (U)	6510 (J-)	299	—	4.18	—	—	1.43 (J)	—	—
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	1.08 (J)	—	1.29 (J-)	—	1.56 (U)	—	57.3
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	0.53 (U)	—	25.4	0.0845 (J)	—	—	—	—	—	1.71	—	1.59 (U)	—	—
RE02-07-2633	02-600588	11.5–13.0	QAL	—	—	—	0.578 (U)	—	27.1	0.365	—	—	—	—	—	—	—	—	—	—
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	—	—	0.0733 (J)	—	—	—	0.183	—	—	—	—	—	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	0.53 (U)	—	45.7	0.214	—	—	—	—	—	1.29	—	—	—	—
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	0.554 (U)	—	—	0.0964 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	0.369	—	3.59 (J+)	—	—	—	—
RE02-07-2639	02-600590	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6 (U)	—	—
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	—	—	40.3	—	—	—	—	—	—	1.26 (J-)	—	—	—	—
RE02-07-2640	02-600590	14.5–16.9	QBO	10200	2.35	39.4	—	—	105	—	4.08	6840	264	—	22.4	—	—	1.75 (U)	—	—
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	—	—	0.499 (U)	—	—	—	—	—	—	0.208 (J)	—	—	0.00242	—	—	—
RE02-07-2643	02-600591	4.5–9.0	QAL	—	—	—	0.527 (U)	—	—	0.0302 (J)	—	—	—	—	—	—	—	2.3	—	—
RE02-07-2644	02-600591	14.0–19.0	QBO	12700	1.52 (J)	38.1 (U)	0.596 (U)	—	6.5 (U)	0.0663 (J)	—	5880	199 (U)	—	2.04 (U)	—	—	1.84	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.14-2
Summary of Organic Chemicals Detected at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**
RE02-07-2618	02-600585	0.0–0.5	ALLH	0.0566	0.0992	—[c]	—	0.104	0.203	0.238	0.333	0.142	—	0.226
RE02-07-2619	02-600585	4.5–9.0	QAL	0.0241 (J)	0.0391	0.0128 (J)	0.0166 (J)	0.0212	0.113	0.101	0.162	0.0479	—	0.107
RE02-07-2622	02-600586	0.0–0.5	ALLH	0.0245 (J)	0.0359 (J)	—	0.0316 (J)	0.0351 (J)	0.108	0.123	0.181	0.0804	—	0.12
RE02-07-2623	02-600586	4.5–9.0	QAL	—	0.00951 (J)	—	—	—	0.0275 (J)	0.0211 (J)	0.0219 (J)	0.0115 (J)	—	0.0191 (J)
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	—	0.0013 (J)	—	—	—	—	—	—
RE02-07-2626	02-600587	0.0–0.5	ALLH	0.0321 (J)	0.049	—	0.118	0.169	0.213	—	0.365 (J)	—	—	0.212
RE02-07-2628	02-600587	12.5–18.0	QBO	—	—	—	0.00394 (J)	0.0061	—	—	—	—	—	—
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	0.011 (J)	—	0.0412	0.041	—	—	0.0439	—	—	0.0288 (J)
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	—	0.0026 (J-)	—	—	—	—	—	—
RE02-07-2633	02-600588	11.5–13.0	QAL	—	—	—	0.0067 (J)	0.0046 (J)	—	—	—	—	—	—
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	0.0241 (J)	—	—	—	—	—	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	—	0.0034 (J)	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	—	—	—	0.019 (J)	—	0.0885	0.0209 (J)	0.0349 (J)	—	0.0175 (J)
RE02-07-2639	02-600590	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	—	0.0014 (J)	—	—	—	—	—	—
RE02-07-2640	02-600590	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	—	—	—	0.0242 (J)	—	—	0.112 (J)	—	0.0428 (J)	0.0665
RE02-07-2643	02-600591	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2644	02-600591	14.0–19.0	QBO	—	—	—	—	0.0017 (J)	—	—	—	—	—	—

Table F-2.14-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**23.4**	**490**	**300**[d]	**300**	**20500**	**30900**	**252**	**200**[e]
RE02-07-2618	02-600585	0.0–0.5	ALLH	—	0.398	0.0482	0.132	NA[f]	0.0259 (J)	0.054	0.333	0.357	NA	NA
RE02-07-2619	02-600585	4.5–9.0	QAL	—	0.219	0.0202 (J)	0.046	—	0.011 (J)	0.0295 (J)	0.144	0.205	—	NA
RE02-07-2622	02-600586	0.0–0.5	ALLH	—	0.194	0.0203 (J)	0.0718	NA	0.0101 (J)	0.0197 (J)	0.156	0.182	NA	NA
RE02-07-2623	02-600586	4.5–9.0	QAL	—	0.0396	—	—	—	—	—	0.0306 (J)	0.0333 (J)	—	NA
RE02-07-2625	02-600586	9.0–14.0	QAL	—	—	—	—	—	—	—	—	—	—	NA
RE02-07-2626	02-600587	0.0–0.5	ALLH	—	0.347	0.0241 (J)	—	NA	0.00717 (J)	0.0114 (J)	0.233	0.557	NA	NA
RE02-07-2628	02-600587	12.5–18.0	QBO	—	0.0154 (J)	—	—	0.00272 (J)	—	—	—	—	—	NA
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	0.0523	—	—	NA	—	—	0.0415	0.0604	NA	13.9 (J)
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	0.00037 (J)	—
RE02-07-2633	02-600588	11.5–13.0	QAL	0.121 (J)	—	—	—	—	—	—	—	—	—	3.95 (J)
RE02-07-2634	02-600589	0.0–0.5	ALLH	—	—	—	—	NA	—	—	—	0.0227 (J)	NA	3.93
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	1.39 (J)
RE02-07-2637	02-600589	9.5–13.0	QAL	—	—	—	—	0.0023 (J)	—	—	—	—	—	—
RE02-07-2638	02-600590	0.0–0.5	ALLH	—	0.0366	—	—	NA	—	—	0.0235 (J)	0.0364	NA	NA
RE02-07-2639	02-600590	4.5–7.2	QAL	0.0451 (J)	0.0129 (J)	—	—	—	—	—	—	0.0124 (J)	—	NA
RE02-07-2641	02-600590	9.5–11.7	QAL	0.0509 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2640	02-600590	14.5–16.9	QBO	0.0509 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2642	02-600591	0.0–0.5	ALLH	—	0.0799	—	—	NA	—	—	0.0213 (J)	0.0986	NA	NA
RE02-07-2643	02-600591	4.5–9.0	QAL	0.0522 (J)	—	—	—	—	—	—	—	—	—	NA
RE02-07-2644	02-600591	14.0–19.0	QBO	0.0823 (J)	—	—	—	—	—	—	—	—	—	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

[e] Value from NMED (NMED 2006, 094614).

[f] NA = Not analyzed.

Table F-2.14-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-006(c)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**
RE02-07-2619	02-600585	4.5–9.0	QAL	—[e]	—	—	0.413378
RE02-07-2621	02-600585	9.0–14.0	QAL	—	—	—	0.0436009
RE02-07-2623	02-600586	4.5–9.0	QAL	—	—	—	0.505982
RE02-07-2630	02-600588	0.0–0.5	ALLH	—	—	—	0.0162282
RE02-07-2631	02-600588	4.5–10.0	QAL	—	—	—	0.0496574 (J-)
RE02-07-2634	02-600589	0.0–0.5	ALLH	4.95	—	1.76	—
RE02-07-2635	02-600589	4.5–9.5	QAL	—	—	0.222	0.0279391 (J-)
RE02-07-2638	02-600590	0.0–0.5	ALLH	16.9	0.112	3.86	—
RE02-07-2639	02-600590	4.5–7.2	QAL	10.2	—	2.76	0.0166
RE02-07-2641	02-600590	9.5–11.7	QAL	—	—	—	0.0234916

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.16-1
Summary of Inorganic Chemicals above BV at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**
CA02-00-0155	02-01095	0.0–0.5	SED	—[e]	—	—	—	—	—	14	NA[f]	12 (J-)	—
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	—	—	NA	12 (J-)	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—
RE02-03-51834	02-22356	9.0–9.5	ALLH	—	—	—	—	—	—	—	0.558 (J-)	—	—
RE02-03-51835	02-22356	10.5–11.0	ALLH	—	—	—	—	—	—	—	0.0712 (J-)	—	—
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	—	—	—	0.542 (U)	—	—	0.0907 (J-)	—	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	—	—	—	—	—	—	—	0.113 (J-)	—	—
RE02-03-51839	02-22358	6.5–7.0	ALLH	—	—	—	—	0.515 (U)	—	—	0.0787 (J-)	—	—
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	0.539 (U)	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—
RE02-07-1221	02-600282	13.0–18.0	QBO	11400	0.522 (UJ)	1.84 (J)	26.4	0.649 (U)	—	25 (J)	—	—	5980 (J)
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	48.2	—	—	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	—	0.521 (U)	—	52.6	—	—	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	0.464 (J)	—	43.8	1.01	—	—
RE02-07-1225	02-600283	11.8–15.5	QBO	5150	—	1.2 (J)	—	0.533 (U)	—	10.5	0.212	—	5520
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	0.539 (U)	21000 (J)	—	0.305	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	0.533 (U)	—	—	0.0361 (J)	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	13800	0.53 (UJ)	0.772 (J)	35.8	0.66 (U)	—	7.8	0.0344 (J)	—	7020
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	—	—	0.0984 (J)	—	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	—	0.438 (J)	31600	59.1	0.174	16	—
RE02-07-1236	02-600285	14.0–17.0	QBO	7600	0.514 (U)	1.87 (J)	55.6	0.629 (U)	—	30.7	—	3.97	6400
RE02-07-1235	02-600285	21.0–25.0	QBO	4790	—	1.81 (U)	—	0.602 (U)	—	3.48	—	—	5070
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	—	—	—
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	—	—	—	—	—	0.133	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	—	—	—	8570	—	—	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	0.554 (U)	—	—	—	—	—

Table F-2.16-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**100000**
RE02-07-1241	02-600286	18.8–19.5	QBO	6180	—	0.937 (J)	—	0.605 (U)	—	8.99	—	—	6310
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	—	—	0.502 (U)	—	—	—	—	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	—	—	0.548 (U)	26500 (J+)	20.1	0.57	—	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	0.542 (U)	14400 (J+)	—	0.102 (J)	—	—
RE02-07-1245	02-600287	14.2–17.0	QBO	18200	0.517 (UJ)	0.984 (J)	102 (J+)	0.646 (U)	—	3.1	—	—	7080
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	—	—	0.542 (U)	—	—	0.0855 (J)	—	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	0.538 (U)	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	0.539 (U)	—	25	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	12600	—	1.78 (U)	26.4	0.595 (U)	—	10.3	—	—	6430
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	—	—	0.508 (U)	—	—	0.117	—	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	—	0.525 (U)	—	—	—	—	—
RE02-07-1255	02-600289	10.0–14.5	QBO	8520	—	1.74	30.8 (J-)	0.581 (U)	—	14.1	0.114 (J)	4.78	7820
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	—	—	0.551 (U)	—	—	—	—	—
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	—	—	0.52 (U)	—	—	—	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	0.542 (U)	—	—	0.0558 (J)	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	13500	0.526 (UJ)	1.55 (J)	43	0.648 (U)	—	14.1 (J)	—	—	8910 (J)
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	—	—	0.526 (U)	—	—	—	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	—	0.532 (U)	—	—	—	—	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	2.7	—	0.528 (U)	—	13.5	0.252	5.23	8810
RE02-07-1265	02-600291	11.0–16.0	QBO	22800	0.52 (UJ)	1.75 (J)	113	0.667 (U)	—	10.1	—	4.09	8550
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—

Table F-2.16-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
CA02-00-0155	02-01095	0.0–0.5	SED	110	—	0.43 (J-)	—	NA	—	—	—	—	320
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	3.4 (J-)	—	NA	—	—	—	—	110
CA02-00-0162	02-01250	0.0–0.5	SED	27 (J+)	—	0.45	—	NA	—	0.489	1.4	—	82 (J+)
RE02-03-51834	02-22356	9.0–9.5	ALLH	—	—	5.03 (J)	—	NA	NA	—	—	—	60.8
RE02-03-51835	02-22356	10.5–11.0	ALLH	—	—	17.2 (J)	—	NA	NA	—	—	—	68
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	0.179 (J)	—	NA	NA	—	—	—	—
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	—	0.191 (J)	—	NA	NA	—	—	—	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	—	—	0.684 (J)	—	NA	NA	—	—	—	—
RE02-03-51839	02-22358	6.5–7.0	ALLH	—	—	—	—	NA	NA	—	—	—	—
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	2.97 (J-)	—	—	—	—	—	—	—
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	0.221	—	1.07	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	1.87	—	—	—	—	—	—	—
RE02-07-1221	02-600282	13.0–18.0	QBO	—	275 (J)	—	5.67	—	—	1.95 (U)	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	4.34 (J-)	—	—	—	—	—	—	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	—	1.19	—	1.56 (U)	—	—	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	1.34	—	1.87 (U)	—	—	—
RE02-07-1225	02-600283	11.8–15.5	QBO	—	—	—	4.28 (J)	1.36	—	1.6 (U)	—	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	1.43 (J-)	—	6.94	0.000559 (J)	1.58 (U)	—	—	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	3.53	—	1.62 (U)	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	4.18	—	1.6 (U)	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	340	—	—	—	—	1.98 (U)	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	0.417	—	1.52	—	2.04 (U)	—	—	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	24.4 (J)	4.23	—	1.66 (U)	—	—	50.5
RE02-07-1236	02-600285	14.0–17.0	QBO	—	400	0.137 (J-)	5.78 (J+)	—	—	0.9 (J)	—	4.62	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	—	—	1.01 (J)	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	0.257	—	—	—	—	—	—	54.1
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	1.08	—	6.81	—	1.6 (U)	—	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	4.36 (J-)	—	1.11	—	1.58 (U)	—	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	0.139 (J-)	—	—	—	—	—	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	213	—	—	1.36	—	1.81 (U)	—	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	0.514 (J-)	—	1.22	—	—	—	—	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	0.36	—	1.58	—	1.64 (U)	—	—	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	1.78	—	—	—	—	—

Table F-2.16-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-07-1245	02-600287	14.2–17.0	QBO	—	228	—	2.2	1.53	—	1.94 (U)	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	1.74	—	1.83	0.000701 (J)	—	—	—	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	1.77	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	—	—	1.62 (U)	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	241	—	2.89	—	—	1.78 (U)	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	1.87	—	1.48	—	—	—	—	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	—	2.08	0.000658 (J-)	—	—	—	—
RE02-07-1255	02-600289	10.0–14.5	QBO	—	288	—	4.07 (J)	—	—	1.31 (J)	—	6.41	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	3.51 (J-)	—	5.63	0.000575 (J)	—	—	—	49.5
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	0.763	—	—	—	—	—	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	2.16	—	1.63 (U)	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	333 (J)	—	4.03	—	—	1.94 (U)	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	1.09	—	—	0.000677 (J)	1.53 (U)	—	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	—	1.36	—	—	—	—	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	0.346	4.3	—	—	1.45 (J)	—	15.4	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	396	—	4.3	—	—	1.29 (J)	—	4.61	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.168 (J-)	—	4.95	0.000863 (J)	—	—	—	99.6

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.16-2
Summary of Organic Chemicals Detected at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
CA02-00-0155	02-01095	0.0–0.5	SED	—[c]	—	—	—	1.3	—	0.11 (J)	0.11 (J)	0.095 (J)	—	0.12 (J)	—	—	0.13 (J)
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	0.14	—	—	—	—	—	—	—	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	NA[d]	NA	NA	NA	0.59 (J)	0.62 (J)	0.52 (J)	0.42 (J)	0.56 (J)	—	NA	0.83 (J)
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	0.015 (J)	—	—	0.0339 (J)	0.0426	—	0.0935 (J)	0.141 (J)	0.0594 (J)	—	—	NA	0.112
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	—	0.0023 (J)	—	—	—	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	0.0117	0.0115	—	—	—	—	—	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	0.0108 (J)	—	—	—	0.0198 (J)	—	0.0554	0.0717	0.0351	—	—	NA	0.0496
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	—	0.0057	—	—	—	—	—	—	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	0.0492	0.0391	—	—	0.0228 (J)	0.0257 (J)	0.153	0.157 (J)	0.257 (J)	0.101 (J)	—	0.0822 (J)	NA	0.172
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	—	0.0327	0.0122	—	—	—	—	—	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	—	—	—	0.0043	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	0.0163 (J)	—	—	0.0467	0.115	0.0453	—	0.0594 (J)	—	—	—	NA	0.0369
RE02-07-1234	02-600285	4.5–5.0	QAL	0.172	0.278	—	—	—	0.016 (J)	0.312	0.337 (J)	0.509 (J)	0.195 (J)	—	—	—	0.313
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	0.149	0.155	—	—	—	—	—	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	0.24	0.439	—	—	—	0.0178 (J)	0.637	—	1.34 (J)	0.411 (J)	—	—	NA	0.645
RE02-07-1239	02-600286	3.0–5.0	ALLH	0.0603	0.0873	—	—	—	0.0188 (J)	—	0.143 (J)	0.205 (J)	0.0781 (J)	—	—	0.000279 (J)	0.118
RE02-07-1240	02-600286	9.5–10.0	QAL	0.0142 (J)	0.0207 (J)	—	—	—	—	—	0.0549	0.0743	0.0229 (J)	—	—	—	0.0591
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.134 (J)	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	0.087 (J)	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	0.00794 (J)	—	—	—	—	—	0.0292 (J)	0.0387 (J)	—	—	—	NA	0.0307 (J)
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	0.0101 (J)	—	—	0.0146	0.0054 (J)	0.0464	—	0.0851 (J)	—	—	—	—	0.0402
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	0.0337 (J)	0.128	0.0627 (J)	—	0.0409 (J)	0.0313 (J)	0.56	0.39 (J)	0.702 (J)	—	—	—	NA	0.54
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	0.0022 (J)	0.0072	—	—	—	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	0.0036 (J)	0.0035 (J)	0.0054	—	—	—	—	—	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	—	—	—	0.002 (J)	0.0054	—	—	—	—	—	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	0.0294 (J)	—	—	—	—	0.13	0.249	0.315	—	—	—	NA	0.152
RE02-07-1255	02-600289	10.0–14.5	QBO	—	—	—	—	—	0.0045	—	—	—	—	—	—	—	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	0.00934 (J)	—	0.408 (J)	—	0.0522	0.0567 (J)	0.076 (J)	0.108 (J)	0.0519 (J)	—	—	NA	0.073 (J)

Table F-2.16-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	—	—	0.004	0.0069	0.0331 (J)	—	0.0636 (J)	—	—	—	—	0.0371
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	0.0057	0.0123	—	—	—	—	—	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	—	—	—	—	0.0022 (J)	—	—	—	—	—	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	—	—	—	0.0211 (J)	—	—	—	—	—	—	NA	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	—	—	0.0068	0.0152	—	—	—	—	—	—	—	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	0.0232 (J)	0.042	—	—	0.0688	0.105	—	0.256 (J)	0.42 (J)	0.232 (J)	—	—	NA	0.211

Table F-2.16-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Nitrosodimethylamine[N-]	Phenanthrene	Pyrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**1620**	**103**	**24400**	**26500**	**23.4**	**389**	**490**	**300**[e]	**300**	**0.376**	**20500**	**30900**	**252**	**82**
CA02-00-0155	02-01095	0.0–0.5	SED	—	—	0.25 (J)	—	—	—	—	—	—	—	0.12 (J)	0.23 (J)	—	NA
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	—	—	—	—	—	—	—	—	—	—	—	NA
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	1.2 (J)	—	0.37 (J)	NA	NA	—	—	—	0.58 (J)	1.3 (J)	NA	NA
RE02-07-1218	02-600282	0.0–0.5	ALLH	—	—	0.126	—	0.0462 (J)	NA	NA	—	—	—	0.0729	0.178	NA	NA
RE02-07-1219	02-600282	4.5–7.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1222	02-600282	9.5–11.7	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	0.0654	—	0.0202 (J)	NA	NA	—	—	—	0.0437	0.0887	NA	NA
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	0.000282 (J)
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	0.326	0.0359 (J)	0.0781 (J)	NA	NA	0.0165 (J)	0.0435	—	0.317	0.466	NA	NA
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	0.000322 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1232	02-600284	9.5–12.0	ALLH	—	0.000266 (J)	—	—	—	0.000433 (J)	—	—	—	—	—	—	—	—
RE02-07-1231	02-600284	14.3–16.5	QBO	—	0.000384 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	—	—	0.0721	—	—	NA	NA	—	—	—	0.0538	0.0754	NA	NA
RE02-07-1234	02-600285	4.5–5.0	QAL	0.13 (J)	—	0.643	0.161	0.149 (J)	—	—	0.145	0.415	—	0.897	0.762	—	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1238	02-600286	0.0–0.5	ALLH	0.165 (J)	—	1.34	0.233	0.451 (J)	NA	NA	0.153	0.39	—	1.38	1.53	NA	NA
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	0.212	0.0498	0.0609 (J)	—	—	0.0592	0.165	—	0.31	0.272	—	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	—	0.114	—	0.0121 (J)	—	—	—	—	—	0.0689	0.116	—	—
RE02-07-1242	02-600286	12.5–16.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.0133 (J)	—	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	—	—	—	0.00315 (J)	—	—	—	—	—	—	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	0.0405	—	—	NA	NA	0.0198 (J)	—	—	0.0415	0.0579 (J)	NA	NA
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	0.0591	—	—	0.000392 (J)	—	—	—	—	0.0496	0.0484	0.000522 (J)	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	1.01	0.0234 (J)	—	NA	NA	—	—	—	0.462	1.58	NA	NA
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1250	02-600288	13.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	0.201	—	—	NA	NA	—	—	—	0.133	0.281	NA	NA
RE02-07-1255	02-600289	10.0–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1258	02-600290	0.0–0.5	ALLH	—	—	0.0777	—	0.03 (J)	NA	NA	—	—	—	0.0436	0.106 (J)	NA	NA
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	—	0.0464	—	—	—	—	—	—	—	0.0311 (J)	0.0325 (J)	—	—

Table F-2.16-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Nitrosodimethylamine[N-]	Phenanthrene	Pyrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**1620**	**103**	**24400**	**26500**	**23.4**	**389**	**490**	**300**[e]	**300**	**0.376**	**20500**	**30900**	**252**	**82**
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	—	—	—	0.000328 (J)	—	—	—	—	—	—	—	—
RE02-07-1260	02-600290	13.2–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1263	02-600291	0.0–0.5	ALLH	—	—	0.0134 (J)	—	—	NA	NA	—	—	—	—	0.0193 (J)	NA	NA
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	—	—	—	—	0.00224 (J)	—	—	—	—	—	—	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	—	—	—	0.00456 (J)	—	—	—	—	—	—	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.353	0.0174 (J)	0.151 (J)	NA	NA	—	—	0.146 (J)	0.213	0.518	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

Table F-2.16-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-006(e)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**na**	**0.068**	**0.093**	**0.2**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**440000**	**87**
CA02-00-0155	02-01095	0.0–0.5	SED	—[e]	0.116	1.09	—	—
CA02-00-0156	02-01095	1.9–2.2	SED	—	—	0.456	—	—
CA02-00-0162	02-01250	0.0–0.5	SED	—	—	1.62	0.293583	—
RE02-03-51834	02-22356	9.0–9.5	ALLH	0.0847	0.635	0.191	0.0605	—
RE02-03-51835	02-22356	10.5–11.0	ALLH	0.14	0.192	0.0707	0.0822	—
RE02-03-51836	02-22357	5.0–5.5	ALLH	—	—	—	0.1	0.292
RE02-03-51837	02-22357	6.5–7.0	ALLH	—	0.356	—	0.0493	—
RE02-03-51838	02-22358	5.0–5.5	ALLH	0.0223	0.156	—	0.0546	—
RE02-07-1223	02-600283	0.0–0.5	ALLH	—	—	—	0.0190008	—
RE02-07-1224	02-600283	4.5–6.5	ALLH	—	—	—	0.0666307	—
RE02-07-1226	02-600283	9.0–10.2	ALLH	—	—	0.0306	—	—
RE02-07-1228	02-600284	0.0–0.5	ALLH	—	—	—	0.0290413	—
RE02-07-1229	02-600284	4.5–9.0	ALLH	—	—	—	0.184202	—
RE02-07-1233	02-600285	0.0–0.5	ALLH	1.75	—	—	0.0232644	—
RE02-07-1234	02-600285	4.5–5.0	QAL	—	—	—	0.833098	—
RE02-07-1235	02-600285	21.0–25.0	QBO	—	—	—	0.0774242	0.209
RE02-07-1238	02-600286	0.0–0.5	ALLH	—	—	—	0.0209255	—
RE02-07-1239	02-600286	3.0–5.0	ALLH	—	—	—	0.0669667	—
RE02-07-1240	02-600286	9.5–10.0	QAL	—	0.266	0.0159 (J-)	0.612857	—
RE02-07-1241	02-600286	18.8–19.5	QBO	—	—	—	0.0503762	—
RE02-07-1243	02-600287	0.0–0.5	ALLH	—	—	—	0.0281602	—
RE02-07-1244	02-600287	4.5–7.0	ALLH	—	—	—	0.133873	—
RE02-07-1246	02-600287	10.0–14.2	ALLH	—	—	0.0514	—	—
RE02-07-1248	02-600288	0.0–0.5	ALLH	—	—	—	0.0240489	—
RE02-07-1249	02-600288	4.5–7.0	ALLH	—	—	—	0.0354666	—
RE02-07-1251	02-600288	8.0–11.0	QAL	—	—	0.0291	—	—
RE02-07-1253	02-600289	0.0–0.5	ALLH	—	—	—	0.0123869	—
RE02-07-1254	02-600289	4.5–6.3	QAL	—	—	—	0.0282271	—

Table F-2.16-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**na**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**na**	**0.068**	**0.093**	**0.2**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**440000**	**87**
RE02-07-1259	02-600290	4.5–6.7	ALLH	—	1.05	0.0552	—	—
RE02-07-1261	02-600290	9.5–13.0	ALLH	—	—	0.0812	—	—
RE02-07-1264	02-600291	4.0–8.0	QAL	—	—	—	0.0269546	—
RE02-07-1266	02-600291	9.0–11.0	QBO	—	—	0.0295 (J-)	0.0279421	—
RE02-07-1265	02-600291	11.0–16.0	QBO	—	—	—	0.0820723	—
RE02-07-1268	02-600292	0.0–0.5	ALLH	—	—	0.622 (J-)	0.0287607	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.17-1
Summary of Inorganic Chemicals above BV at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[e]	—	—	—	—	0.494 (U)	—	—	NA[f]	—	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	0.516 (U)	—	—	NA	—	0.762	—
RE02-07-2664	02-600592	16.0–21.0	QBO	4350	—	0.719 (J)	—	—	0.601 (U)	—	6.87 (J)	NA	—	—	5250
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-2668	02-600593	9.5–14.5	QAL	—	—	—	—	—	0.567 (U)	—	—	NA	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	8480	0.508 (UJ)	1.02 (J)	—	—	0.626 (U)	—	13.7 (J)	NA	—	—	4630
RE02-07-2671	02-600594	0.0–0.5	ALLH	—	—	—	—	—	0.492 (U)	—	—	NA	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	—	—	533	—	—	—	—	NA	—	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	—	—	—	—	0.538 (U)	—	—	NA	—	—	—
RE02-07-2674	02-600594	14.5–16.7	QBO	11400	0.542 (UJ)	0.852 (J)	44.2	—	0.678 (U)	—	3.3 (J)	NA	—	—	5670
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	—	—	—	—	0.492 (U)	—	—	NA	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-2678	02-600595	9.5–11.9	QAL	—	—	—	—	—	0.52 (U)	—	—	NA	—	—	—
RE02-07-2679	02-600595	14.5–20.5	QBO	5540	—	1.11 (J)	—	—	0.581 (U)	—	9.74 (U)	NA	—	—	6380 (J+)
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	11500	—	1.61 (U)	68.7	—	0.535 (U)	—	19.8	NA	—	—	5640
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
02-009(a)															
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	—	—	—	—	0.538 (U)	8290	—	NA	—	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	—	—	0.525 (U)	—	—	NA	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	0.509 (U)	—	—	NA	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	0.568 (U)	—	—	NA	—	—	—
RE02-07-1134	02-600261	0.0–0.5	ALLH	—	—	—	—	—	0.569 (U)	23300	—	NA	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	0.546 (U)	6380 (J+)	—	NA	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	0.542 (U)	—	—	NA	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	—	—	0.546 (U)	—	—	NA	—	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	0.506 (U)	—	—	NA	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	0.523 (U)	—	—	NA	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	—	—	—	—	0.548 (U)	—	—	NA	—	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1142	02-600263	4.5–5.0	QAL	—	—	—	—	—	0.496 (U)	—	—	NA	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	—	—	0.567 (U)	—	—	NA	—	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	0.526 (U)	—	—	NA	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	—	—	—	—	0.547 (U)	—	—	NA	—	—	—
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	0.513 (U)	—	—	NA	—	—	—
RE02-07-1149	02-600266	0.0–0.5	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	0.502 (U)	—	—	NA	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	—	—	—	—	0.508 (U)	—	—	NA	—	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	0.519 (U)	—	—	NA	—	—	—
RE02-07-1155	02-600268	0.0–0.5	ALLH	—	—	—	—	—	0.534 (U)	19100	—	NA	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	0.539 (U)	26700	—	NA	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	0.506 (U)	—	—	NA	—	1.21 (U)	—
RE02-07-1158	02-600269	0.0–0.5	ALLH	—	—	—	—	—	2.65 (U)	—	—	NA	80.7	—	63200
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	0.539 (U)	—	—	NA	69.5	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	0.551 (U)	—	—	NA	66	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	—	—	—	—	0.524 (U)	—	59.3	NA	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-1164	02-600271	0.0–0.5	ALLH	—	—	—	—	—	0.544 (U)	—	—	NA	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	0.501 (U)	—	—	NA	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	—	—	—	—	0.553 (U)	13400	—	NA	—	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	—	—	—	—	0.52 (U)	—	—	NA	—	—	—
RE02-07-1169	02-600272	4.5–14.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	—	—	—	—	0.509 (U)	—	—	NA	—	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	0.498 (U)	—	—	NA	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	—	—	—	—	0.546 (U)	—	—	NA	—	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	0.513 (U)	—	—	NA	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	—	—	—	—	0.533 (U)	—	—	NA	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	0.519 (U)	—	—	NA	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	0.504 (U)	—	—	NA	—	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	—	—	0.552 (U)	—	—	NA	—	0.51	—
RE02-07-1180	02-600276	2.0–2.5	QAL	—	—	—	—	—	0.503 (U)	—	—	NA	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	0.512 (U)	—	—	NA	—	—	—
RE02-07-1182	02-600277	0.0–0.5	ALLH	—	—	—	—	—	0.525 (U)	—	—	NA	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	0.495 (U)	—	—	NA	—	—	—
RE02-07-1184	02-600277	4.5–5.0	QAL	—	—	—	—	—	0.502 (U)	—	—	NA	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	—	—	0.529 (U)	—	—	NA	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	—	—	—	—	0.535 (U)	—	—	NA	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	0.498 (U)	—	—	NA	—	—	—
RE02-07-1191	02-600280	0.0–0.5	ALLH	—	—	—	—	—	0.541 (U)	—	—	NA	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	0.515 (U)	—	—	NA	—	—	—
RE02-07-1193	02-600280	4.5–5.0	QAL	—	—	—	—	—	0.507 (U)	—	—	NA	—	—	—
RE02-07-1194	02-600281	0.0–0.5	ALLH	—	—	—	—	—	0.534 (U)	—	—	NA	—	—	—
RE02-07-1195	02-600281	2.0–2.5	QAL	—	—	—	—	—	0.511 (U)	—	—	NA	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	0.518 (U)	—	—	NA	—	—	—
02-009(b)															
CA02-00-0178	02-01243	13.0–14.0	QBT3	—	0.57 (J-)	—	—	—	—	—	—	NA	—	NA	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	—	—	—	6510	—	NA	—	—	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	7020	—	NA	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2753	02-600606	17.1–20.0	QBO	—	—	1.62	—	—	0.524 (U)	—	13	NA	—	—	7330
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	—	—	—	—	0.49 (J)	—	—	NA	—	3.82 (U)	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	4870	—	1.69 (U)	—	—	0.564 (U)	—	11.5	NA	—	—	5800 (J)
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.522 (U)	—	—	NA	—	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	0.532 (U)	—	—	NA	—	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	1.74 (U)	—	—	0.58 (U)	—	5.7 (U)	NA	—	—	5650
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	0.516 (U)	—	32.3	NA	—	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	—	—	0.572 (J)	—	—	0.564 (U)	—	17.4	NA	—	—	6210
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	0.495 (U)	—	—	NA	—	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	—	—	—	—	0.564 (U)	—	—	NA	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	—	—	—	—	—	—	—	NA	—	1.08	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
02-009(c)															
CA02-00-0021	02-01225	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	—	—	—	—	—	—	34	NA	—	NA	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	—	—	—	—	—	—	28	NA	—	NA	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	8200	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0026	02-01226	5.0–6.5	QBT2	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0027	02-01226	10.0–12.0	QBT2	11000	—	—	54	—	—	—	—	NA	—	NA	—
CA02-00-0028	02-01226	12.5–14.0	QBT2	10000	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0216	02-01228	0.0–0.5	SED	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	9600	—	—	65	—	—	—	—	NA	—	NA	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	—	—	—	—	—	—	20 (J+)	NA	—	NA	—
CA02-00-0046	02-01229	12.5–15.0	QBT2	13000	—	—	—	—	—	—	—	NA	—	NA	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	—	—	—	—	—	—	33 (J+)	NA	—	NA	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	—	—	—	—	—	—	52 (J+)	NA	—	NA	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	12000	—	—	73	—	—	—	—	NA	—	NA	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	—	—	—	—	—	—	26 (J+)	NA	—	NA	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	—	—	—	—	—	—	11 (J+)	NA	—	NA	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	—	—	—	—	—	—	22	NA	—	NA	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	11000	—	—	56	—	—	—	—	NA	—	NA	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	—	—	—	—	—	—	38	NA	—	NA	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	7800	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	—	—	—	—	—	—	—	NA	—	NA	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	—	—	355	—	—	—	—	—	—	—	—
RE02-07-2702	02-600598	9.5–11.5	QAL	—	—	—	—	—	0.565 (U)	—	24.7	—	—	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	1.87	—	—	0.613 (U)	—	3.06 (U)	—	—	—	5820
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	—	—	320	—	—	—	—	—	—	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	—	—	0.522 (U)	—	—	—	—	—	—
RE02-07-2707	02-600599	9.5–12.5	QAL	—	—	—	—	—	0.553 (U)	—	—	0.761	—	—	—
RE02-07-2708	02-600599	13.5–20.5	QBO	—	—	1.57 (J)	—	—	0.609 (U)	—	7.79 (U)	—	—	—	6930
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	0.52 (U)	—	—	0.299 (J)	—	—	—
RE02-07-2712	02-600600	9.5–11.8	QAL	—	—	—	—	—	0.556 (U)	—	—	0.251	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	7000	0.527 (UJ)	2.01 (U)	—	—	0.67 (U)	—	5.81 (U)	—	—	—	5580
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	—	—	636	—	0.52 (U)	—	—	—	—	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	—	—	0.518 (U)	—	—	—	—	—	—
RE02-07-2717	02-600601	9.5–11.3	QAL	—	—	—	—	—	0.561 (U)	—	—	—	—	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	6180 (J)	—	1.37 (J)	—	—	0.581 (U)	—	7.91 (U)	—	—	—	5740 (J)
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	—	—	0.536 (U)	—	—	0.267 (J)	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2721	02-600602	4.5–9.5	QAL	—	—	—	520	—	0.525 (U)	—	—	—	—	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	21800	0.557 (U)	1.18 (J)	29.4	—	0.678 (U)	—	4.91	—	4.15	—	10600
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	—	—	0.512 (U)	—	—	1.33	—	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	—	—	0.522 (U)	—	—	—	—	—	15200
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	0.496 (U)	—	—	—	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	0.544 (U)	—	—	0.0919 (J)	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	0.55 (U)	—	—	—	—	—	—
RE02-07-2951	02-600643	14.5–16.9	QBO	9780	—	0.892 (J)	62.4	—	0.604 (U)	—	9.12 (U)	0.0647 (J)	—	—	6720
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	0.555 (U)	—	—	0.199 (J)	—	—	—
RE02-07-2956	02-600644	14.5–19.5	QBO	10000	—	1.5 (J)	66.1 (J+)	—	0.574 (U)	—	6.17 (U)	0.0592 (J)	—	—	6340 (J+)
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	0.297 (J)	—	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	—	—	—	—	0.554 (U)	—	—	0.162 (J-)	—	—	—
RE02-07-2961	02-600645	14.5–20.5	QBO	6810	—	1.73 (U)	37.5 (J-)	—	0.576 (U)	—	5.39 (U)	—	—	—	6530
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	0.545 (U)	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	0.561 (U)	—	—	—	—	—	—
RE02-07-2966	02-600646	14.5–16.8	QBO	4450	—	1.26 (J)	—	—	0.539 (U)	—	23.3 (J)	0.147 (J-)	—	—	6560
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	—	—	0.517 (U)	—	—	—	—	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	0.502 (U)	—	—	0.488 (J)	—	—	—
RE02-07-2973	02-600648	0.0–0.5	ALLH	—	—	—	—	—	0.523 (U)	—	—	0.396 (J)	—	—	—
RE02-07-2974	02-600648	4.5–7.0	QAL	—	—	—	—	—	0.565 (U)	—	—	—	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	4730	—	1.53 (J)	32.1 (J+)	—	0.604 (U)	—	—	0.0737 (J)	8.11 (U)	—	8250
RE02-07-2977	02-600648	14.5–19.5	QBO	11000	—	1.78 (U)	—	—	0.593 (U)	—	—	0.207	—	—	8040
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	—	—	0.535 (U)	—	—	0.8 (J)	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	—	—	0.526 (U)	—	—	0.26 (J)	—	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	0.546 (U)	—	—	—	—	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	—	—	—	—	0.568 (U)	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	—	—	—	—	0.515 (U)	—	—	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	4800	—	1.51 (J)	117 (J-)	—	0.59 (U)	—	11.8 (U)	0.144 (J-)	—	—	7560
RE02-07-2991	02-600651	19.5–21.6	QBO	4700	0.54 (UJ)	1.99 (U)	—	—	0.662 (U)	—	—	—	—	—	4920

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron
ALLH/FILL/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**1.83**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**1.44**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**	**3700**
QBT2/QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.21**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**	**14500**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**1.31**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**2250**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**	**100000**
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	—	—	—	—	0.529 (U)	—	—	0.287	—	—	—
RE02-07-2994	02-600652	4.5–5.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	0.537 (U)	—	—	0.124	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	0.578 (U)	—	52.3	—	—	—	—
RE02-07-2996	02-600652	16.6–18.4	QBO	14000	0.519 (UJ)	1.09 (J)	97.5	1.49	0.64 (U)	—	6.67 (U)	—	—	—	6650
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	—	—	—	—	0.537 (U)	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	0.536 (U)	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	0.524 (U)	—	22.2	0.168 (J-)	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	—	—	—	—	0.507 (U)	—	—	—	—	—	—
RE02-07-3206	02-600699	4.5–7.0	QAL	—	—	—	—	—	0.553 (U)	—	—	0.0387 (J)	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	1.7 (J)	—	—	0.573 (U)	—	—	0.0692 (J)	—	—	7250
RE02-07-3209	02-600699	19.5–21.7	QBO	3690	0.552 (UJ)	2.04 (U)	—	—	0.679 (U)	—	—	0.0964 (J)	—	—	4460
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	0.56 (U)	—	—	0.136	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	0.557 (U)	—	—	—	—	—	—
RE02-07-3213	02-600700	14.5–16.7	QBO	12900	0.578 (UJ)	2.22 (U)	—	—	0.739 (U)	—	—	0.0493 (J)	—	—	5940
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	—	0.536 (U)	—	—	0.0471 (J)	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	15700	0.586 (UJ)	2.19 (U)	69.2 (J+)	—	0.73 (U)	—	—	0.0745 (J)	4.44 (U)	—	6710
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	—	—	0.538 (U)	—	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	0.529 (U)	—	—	0.166 (J-)	—	—	—
RE02-07-3222	02-600702	9.5–12.7	QBO	15300	—	0.831 (J)	91.1	—	0.601 (U)	—	43.5	—	—	—	6420
RE02-07-3225	02-600703	0.0–0.5	SED	—	—	—	—	—	0.431 (J)	—	—	—	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	—	—	—	—	0.418 (J)	—	—	—	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	5430 (J+)	—	0.942 (J)	—	—	0.621 (U)	—	10.9 (J)	—	—	—	7630
RE02-07-3235	02-600705	0.0–0.5	SED	—	—	—	—	—	—	—	—	0.349 (J)	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	0.539 (U)	—	37.6	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	9420	—	1.8 (U)	50.1	—	0.584 (U)	—	13.5	—	—	—	7630
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—	—	—	—	—	0.965 (J)	0.000706 (J)	—	—	NA	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	0.000673 (J+)	—	—	NA	—	—
RE02-07-2664	02-600592	16.0–21.0	QBO	—	—	191	—	2.06	—	—	1.8 (U)	—	NA	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	0.297	—	—	—	—	—	NA	—	—
RE02-07-2668	02-600593	9.5–14.5	QAL	—	—	—	—	—	—	—	1.7 (U)	—	NA	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	1.88 (U)	—	NA	—	—
RE02-07-2671	02-600594	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	66	—	—	2.91	—	1.74	0.001 (J)	1.61 (U)	—	NA	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	—	—	—	—	—	—	1.61 (U)	—	NA	—	—
RE02-07-2674	02-600594	14.5–16.7	QBO	—	—	208	—	2.88 (U)	—	—	1.16 (J)	—	NA	—	—
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.959 (J)	0.0048	1.77	—	NA	—	—
RE02-07-2678	02-600595	9.5–11.9	QAL	—	—	—	—	—	—	—	2.52	—	NA	—	—
RE02-07-2679	02-600595	14.5–20.5	QBO	—	—	—	—	3.31 (U)	—	—	1.77	—	NA	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	—	1.94 (J-)	0.000997 (J)	—	—	NA	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	1.54 (U)	—	NA	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	—	—	258	—	6.54 (J+)	—	—	1.61 (U)	—	NA	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	—	—	—	—	1.56	—	—	—	NA	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	0.00122 (J)	—	—	NA	—	—
02-009(a)															
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	120
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	120
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	80
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	65
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	65
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	110
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	97
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	72
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	76
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	—	—	—	—	1.33 (J-)	—	12.6	—	NA	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	—	0.00623 (J-)	1.57 (U)	—	NA	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	0.35	—	1.78 (J-)	—	8.6	—	NA	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	1.14 (J-)	0.000939 (J)	8.02	—	NA	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	0.000979 (J)	8.91	—	NA	—	—
RE02-07-1134	02-600261	0.0–0.5	ALLH	—	5060	—	—	—	—	—	21.1	—	NA	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	1.57	—	9.93	—	NA	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	0.000558 (J+)	8.2	—	NA	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	0.349	—	4.3 (J-)	—	10	—	NA	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	1.33 (J-)	—	—	—	NA	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	—	—	—	—	6.19 (J-)	0.00204 (J-)	1.65 (U)	—	NA	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	1.23	0.00224 (J-)	1.55 (U)	—	NA	—	—
RE02-07-1142	02-600263	4.5–5.0	QAL	—	—	—	—	—	2.47	0.00145 (J-)	—	—	NA	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	—	—	4.26 (J-)	—	9.88	—	NA	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	1.06 (J-)	0.000758 (J-)	1.54 (U)	—	NA	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	0.00159 (J-)	1.58 (U)	—	NA	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	—	—	—	—	3.24 (J-)	0.00151 (J)	9.55	—	NA	—	—
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	1.48 (J-)	0.000879 (J+)	8.77	—	NA	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	0.93 (J-)	0.00262 (J+)	8.3	—	NA	—	—
RE02-07-1149	02-600266	0.0–0.5	ALLH	—	—	—	—	—	4.79	0.000612 (J+)	7.95	—	NA	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	2.3 (J-)	0.000879 (J+)	7.72	—	NA	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	1.27	0.00107 (J)	7.82	—	NA	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	—	—	—	—	2.92 (J-)	—	—	—	NA	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	0.000551 (J-)	—	—	NA	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	1.34 (J-)	0.00347 (J-)	1.55 (J)	—	NA	—	—
RE02-07-1155	02-600268	0.0–0.5	ALLH	—	—	—	—	—	2.28	—	16.7	—	NA	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	5170 (J+)	—	—	—	—	0.000758 (J)	19	—	NA	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	6.69	—	NA	—	—
RE02-07-1158	02-600269	0.0–0.5	ALLH	—	—	—	—	—	—	—	70.5	—	NA	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	21.6	—	NA	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	20.7	—	NA	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	—	—	—	—	2.65 (J-)	0.000951 (J-)	—	—	NA	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	1.23	0.00117 (J-)	—	—	NA	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	—	—	—	—	1.37 (J-)	0.0016 (J+)	9.39	—	NA	—	—
RE02-07-1164	02-600271	0.0–0.5	ALLH	—	—	—	—	—	1.86	—	5.74	—	NA	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	—	—	6.91	—	NA	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	1.59	—	6.87	—	NA	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	—	—	—	—	—	—	16.9	—	NA	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	—	—	—	—	1.51 (J-)	0.00104 (J)	9.2	—	NA	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-1169	02-600272	4.5–14.0	QAL	—	—	—	—	—	—	0.00303	8.17	—	NA	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	—	—	—	—	1.39 (J-)	—	7.99	—	NA	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	0.00112 (J)	9.36	—	NA	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	—	0.00114 (J)	10.2	—	NA	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	—	—	—	—	2.58 (J-)	—	8.05	—	NA	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	1.13 (J-)	—	9.49	—	NA	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	9.33	—	NA	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	—	—	—	—	2.44 (J-)	0.0018 (J)	8.44	—	NA	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	1.47 (J-)	0.00205 (J)	8.81	—	NA	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	1.1 (J-)	0.000616 (J)	7.82	—	NA	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	—	—	—	—	6.57	—	NA	—	—
RE02-07-1180	02-600276	2.0–2.5	QAL	—	—	—	—	—	1.19	—	6.63	—	NA	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	1.09	—	7.92	—	NA	—	—
RE02-07-1182	02-600277	0.0–0.5	ALLH	—	—	—	—	—	1.94 (J-)	—	—	—	NA	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	2.2 (J-)	—	—	—	NA	—	—
RE02-07-1184	02-600277	4.5–5.0	QAL	—	—	—	—	—	1.45 (J-)	0.000574 (J)	—	—	NA	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	—	—	—	—	7.91	—	NA	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	—	—	—	—	6.34	0.000944 (J+)	8.19	—	NA	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	1.04	0.00176 (J)	7.69	—	NA	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	1.57	0.000945 (J)	6.65	—	NA	—	—
RE02-07-1191	02-600280	0.0–0.5	ALLH	—	—	—	—	—	4.63	0.00061 (J)	7.75	—	NA	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	1.32	0.00195 (J)	6.73	—	NA	—	—
RE02-07-1193	02-600280	4.5–5.0	QAL	—	—	—	—	—	1.76	0.00114 (J)	7.27	—	NA	—	—
RE02-07-1194	02-600281	0.0–0.5	ALLH	—	—	—	—	—	2.19	0.00122 (J)	7.74	—	NA	—	—
RE02-07-1195	02-600281	2.0–2.5	QAL	—	—	—	—	—	1.51	0.000535 (J)	7.2	—	NA	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	1.54	0.00129 (J)	7.56	—	NA	—	—
02-009(b)															
CA02-00-0178	02-01243	13.0–14.0	QBT3	—	—	—	—	—	NA	NA	—	—	2.44	—	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	1.06	—	2.02 (J-)	—	—	—	NA	—	70.5 (J+)
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	0.146	—	2.43	—	—	—	NA	—	52 (J+)
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	0.445	—	2.96 (J-)	—	—	—	NA	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	0.26	—	5.57 (J-)	—	—	—	NA	—	—
RE02-07-2753	02-600606	17.1–20.0	QBO	—	—	268	—	4.08 (J)	—	—	0.762 (J)	—	NA	7.92 (J)	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	—	—	—	—	1.82 (J-)	—	—	—	NA	—	57.7
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	—	—	312	—	3.79 (J)	—	—	1.69 (U)	—	NA	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	—	—	1.27	—	2.2 (J-)	—	—	—	NA	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	0.14	—	2.93 (J-)	—	1.57 (U)	—	NA	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	2.11	—	NA	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	1.98 (J-)	—	—	—	NA	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	218	—	4.73 (U)	—	—	1.62 (J)	—	NA	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	—	—	—	—	1.22 (J-)	—	—	—	NA	—	56.9 (J+)
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	1.15 (J-)	0.000913 (J)	—	—	NA	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	13.6	—	243	—	4.66	—	—	0.702 (J)	—	NA	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	6.18 (J-)	—	—	—	NA	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	3.47 (J-)	0.000564 (J-)	—	—	NA	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	—	—	—	—	4.17	0.0017 (J)	—	—	NA	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	—	—	—	—	1.97	0.000669 (J)	—	—	NA	—	67 (J+)
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	1.81	—	—	—	NA	—	—
02-009(c)															
CA02-00-0021	02-01225	5.0–7.0	FILL	—	—	—	—	—	NA	NA	—	1.1	—	—	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0026	02-01226	5.0–6.5	QBT2	—	—	—	—	—	NA	NA	0.509 (J)	—	—	—	—
CA02-00-0027	02-01226	10.0–12.0	QBT2	—	—	—	—	—	NA	NA	—	1.1	—	—	—
CA02-00-0028	02-01226	12.5–14.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0216	02-01228	0.0–0.5	SED	—	—	—	—	—	NA	NA	0.316	1.2	—	—	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	—	—	—	—	NA	NA	—	1.1	7.1	—	—
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	—	—	—	—	NA	NA	—	—	4.77	—	—
CA02-00-0046	02-01229	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	—	—	—	—	NA	NA	—	—	3.01	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	—	—	—	—	NA	NA	—	1.4	—	—	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	—	—	—	—	NA	NA	—	1.2	—	—	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	—	—	—	—	NA	NA	—	—	—	—	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	—	—	—	—	NA	NA	—	2.2	—	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	—	—	—	—	NA	NA	—	1.5	—	—	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	—	—	—	—	NA	NA	—	2.8	—	—	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	—	—	—	—	NA	NA	—	1.6	—	—	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	—	—	—	—	—	NA	NA	—	2.1	—	—	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	—	—	—	—	NA	NA	—	2.3	—	—	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	—	—	—	—	NA	NA	—	1.7	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	—	—	—	—	NA	NA	—	1.4	—	—	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	—	—	0.23	—	NA	NA	—	2.3	—	—	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	—	—	0.25	—	NA	NA	—	1.9	—	—	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	—	—	0.25	—	NA	NA	—	1.8	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	—	—	0.679	—	2.59 (J-)	—	—	—	NA	—	—
RE02-07-2702	02-600598	9.5–11.5	QAL	—	—	—	—	—	—	—	11.4	—	NA	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	253 (J-)	—	—	—	—	6.66	—	NA	8.4	—
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	—	—	0.856	—	2.93	—	—	—	NA	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	0.31	—	—	—	—	—	NA	—	—
RE02-07-2707	02-600599	9.5–12.5	QAL	—	—	—	—	—	—	—	9.97	—	NA	—	—
RE02-07-2708	02-600599	13.5–20.5	QBO	—	—	195 (J-)	—	—	—	—	8.05	—	NA	7.79	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	—	—	—	—	1.14	—	1.57 (U)	—	NA	—	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	—	—	8.76	—	NA	—	—
RE02-07-2712	02-600600	9.5–11.8	QAL	—	—	—	—	—	—	—	7.7	—	NA	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	223 (J-)	—	—	—	—	7.79	—	NA	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	31.2	—	—	1.13	—	5.57 (J-)	—	—	—	NA	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	0.308	—	1.01	0.00058 (J)	9.06	—	NA	—	—
RE02-07-2717	02-600601	9.5–11.3	QAL	—	—	—	—	—	—	—	6.39	—	NA	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	—	—	320	—	3.2 (U)	—	—	8.59	—	NA	5.33	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	0.377	—	3.33 (J-)	—	—	—	NA	—	—
RE02-07-2721	02-600602	4.5–9.5	QAL	—	—	—	—	—	—	—	8.99	—	NA	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	—	—	458	—	2.28 (J+)	—	—	17.7	—	NA	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	—	—	1.03	—	1.54 (U)	—	NA	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	0.179	—	—	—	1.05 (J)	—	NA	—	77.2
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	0.81 (J)	—	1.65 (U)	—	NA	—	—
RE02-07-2951	02-600643	14.5–16.9	QBO	—	—	240	—	2.18 (U)	—	—	1.81 (U)	—	NA	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	—	—	—	—	1.36	—	—	—	NA	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	0.000825 (J)	1.53 (U)	—	NA	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	905	—	—	—	—	2.56	—	NA	—	—
RE02-07-2956	02-600644	14.5–19.5	QBO	—	—	260	—	2.77 (U)	—	—	2.04	—	NA	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	—	—	—	—	4.06	0.00109 (J)	—	—	NA	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	—	—	—	—	11.4	0.00536	1.57 (U)	—	NA	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	—	—	—	—	1.34 (J-)	—	—	—	NA	—	—
RE02-07-2961	02-600645	14.5–20.5	QBO	—	—	240 (J)	—	2.65 (U)	—	—	1.73 (U)	—	NA	—	—
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	—	—	—	—	1.26	0.00144 (J)	—	—	NA	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	0.00461	—	—	NA	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2966	02-600646	14.5–16.8	QBO	—	—	—	—	4.31 (U)	1.03 (J-)	—	1.62 (U)	—	NA	8.42	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	—	—	1.42	0.0015 (J+)	—	—	NA	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	—	0.00901	—	—	NA	—	—
RE02-07-2973	02-600648	0.0–0.5	ALLH	—	—	—	—	—	1.32	0.000776 (J+)	—	—	NA	—	—
RE02-07-2974	02-600648	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	211 (J+)	—	4.5 (U)	—	—	1.2 (J)	—	NA	8.32	—
RE02-07-2977	02-600648	14.5–19.5	QBO	—	—	239 (J+)	—	—	—	—	0.626 (J)	—	NA	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	—	—	1.31	0.00194 (J+)	—	—	NA	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	—	—	1.28	0.000878 (J+)	—	—	NA	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	—	—	—	—	1.01 (J)	0.000557 (J)	1.54 (U)	—	NA	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	1.93	—	1.6 (U)	—	NA	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	0.129	—	1.06 (J)	—	1.68 (U)	—	NA	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	639 (J)	—	2.06 (U)	—	—	0.973 (J)	—	NA	6.45	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	204 (J)	—	—	—	—	1.99 (U)	—	NA	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-2994	02-600652	4.5–5.3	QAL	—	—	—	—	—	—	—	1.61 (U)	—	NA	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	2.43	—	NA	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	2.04	—	NA	—	—
RE02-07-2996	02-600652	16.6–18.4	QBO	—	—	234 (J+)	—	3.48 (U)	—	—	1.8 (J)	—	NA	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	—	—	—	—	2.75	—	—	—	NA	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	1.01 (J-)	—	1.61 (U)	—	NA	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	1.57 (U)	—	NA	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	—	—	—	—	—	0.000836 (J)	—	—	NA	—	—

Table F-2.17-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Uranium	Vanadium	Zinc
ALLH/FILL/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**1.82**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**0.72**	**4.59**	**40**
QBT2/QBT3 Background Value[a]				**11.2**	**1690**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**2.4**	**17**	**63.5**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**2.22**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**200[g]**	**1140**	**100000**
RE02-07-3206	02-600699	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	210 (J+)	—	2.15	2.1	—	0.639 (J)	—	NA	8.07	—
RE02-07-3209	02-600699	19.5–21.7	QBO	—	—	—	—	—	—	—	2.04 (U)	—	NA	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	—	—	—	0.0012 (J-)	—	—	NA	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3213	02-600700	14.5–16.7	QBO	—	—	194 (J+)	—	—	—	—	0.806 (J)	—	NA	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	23.1	—	—	—	—	1.98	0.00151 (J)	—	—	NA	—	60.8
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	—	1.15 (J-)	—	—	—	NA	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	259 (J+)	—	—	—	—	1.16 (J)	—	NA	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	—	—	1.57	0.000709 (J)	1.62 (U)	—	NA	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	1.59 (U)	—	NA	—	—
RE02-07-3222	02-600702	9.5–12.7	QBO	—	—	287 (J+)	—	7.15	—	—	1.8 (U)	—	NA	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	21.3	—	—	—	—	1.47 (J-)	—	1.03 (J)	—	NA	—	67.4
RE02-07-3230	02-600704	0.0–0.5	SED	19.9	—	—	—	—	0.95 (J-)	—	1.56 (U)	—	NA	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	227	—	2.19	—	—	1 (J)	—	NA	6.24	—
RE02-07-3235	02-600705	0.0–0.5	SED	20.8	—	—	—	—	—	—	1.53 (U)	—	NA	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	NA	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	243	—	2.12	—	—	1.23 (J)	—	NA	6.54	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	0.108	—	2.55 (J-)	—	1.49 (U)	—	NA	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

[g] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

Table F-2.17-2
Summary of Organic Chemicals Detected at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[c]	NA[d]	—	—	0.0185 (J)	0.0209	0.0155 (J)	0.0119 (J)	0.0136 (J)	—	—	—
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	0.004	0.0025 (J)	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	NA	—	—	0.0899	0.0477	—	—	—	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	0.015	0.0072	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	0.00478 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	0.0443	NA	0.079	—	0.0822	0.0325	0.102	0.183	0.163	0.101 (J)	—	—
RE02-07-2673	02-600594	9.5–11.6	QAL	—	NA	—	—	0.0179	0.008	—	—	—	—	—	—
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	NA	—	—	0.254	0.0903	—	—	—	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	0.0977	0.0544	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	NA	—	—	0.0317	0.0192	—	—	—	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	NA	—	—	1.63	0.859	—	—	—	—	—	—
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	0.543	0.286	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	NA	0.00912 (J)	—	0.0043	0.0034 (J)	—	0.02 (J)	0.0297 (J)	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	0.041	—	—	—	—	—	—	—	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	NA	—	—	0.0028 (J)	0.0024 (J)	—	0.0189 (J)	0.0708	—	—	—
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	NA	—	—	—	0.0046	—	—	—	—	—	—
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	NA	—	—	0.0024 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	NA	—	—	—	0.0013 (J)	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	—	NA	—	—	0.0027 (J)	0.0026 (J)	—	—	—	—	—	—
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	0.00731 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	NA	—	—	0.0019 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0017 (J)	—	—	—	—	—	—
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	0.0478 (J-)	—	—	—	—	—	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0027 (J)	—	—	—	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	0.0016 (J)	—	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	NA	—	—	—	0.0144	—	—	—	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	NA	—	—	—	0.0033 (J)	—	—	—	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	NA	—	—	—	0.102	0.0209 (J)	0.0188 (J)	0.0261 (J)	—	0.0126 (J)	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	0.0155	—	—	0.012 (J)	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	NA	0.00697 (J)	—	—	0.0285	0.0371	0.0349	0.0534	0.0272 (J)	0.0232 (J)	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	0.0136 (J)	0.0161 (J)	—	0.0185 (J)	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	NA	—	—	0.0186	0.0181	0.0191 (J)	—	0.0424 (J)	—	0.0226 (J)	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	0.0016 (J-)	—	—	—	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	0.0131 (J)	NA	0.0421	—	0.0711	0.14	0.161	0.129	0.208	0.0751	0.095	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	0.0069	0.0097	—	—	0.0127 (J)	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.0016 (J)	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	NA	0.0343	—	—	—	0.233	0.198	0.379	0.109	—	0.0684 (J)
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	—	—	0.0275 (J)	0.0186 (J)	0.0374	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	—	—	0.0488	0.0306 (J)	0.0482	—	0.0194 (J)	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	NA	—	—	0.0139	0.0088	—	—	—	—	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	0.0226	0.0141	—	—	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	0.0108	—	—	0.0034 (J)	0.002 (J)	—	—	—	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	NA	0.0139 (J)	—	—	—	0.144	0.129	0.215	0.0407	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	—	—	0.0481	0.0454	0.0764	0.0201 (J)	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	NA	—	—	0.0125	0.0066	—	—	—	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	NA	—	—	0.0153	0.0141	—	—	—	—	—	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	0.0137	0.0116	—	—	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.037 (J)
0402-95-0044	02-01147	7.5–8.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.05 (J)
0402-95-0045	02-01147	12.5–14.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.095 (J)
CA02-00-0021	02-01225	5.0–7.0	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.2 (J)
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	NA	—	NA	NA	NA	—	—	0.061 (J)	—	—	—
CA02-00-0037	02-01228	5.5–7.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.18 (J)
CA02-00-0043	02-01229	5.0–7.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J-)
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.026 (J)
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.026 (J-)

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.051 (J)
CA02-00-0056	02-01231	5.0–6.5	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J)
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.02 (J)
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.021 (J)
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	NA	—	NA	NA	NA	—	—	—	—	—	0.019 (J)
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	NA	—	NA	NA	NA	—	—	—	—	—	—
CA02-00-0080	02-01234	5.0–7.0	FILL	—	NA	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	0.0236 (J)	NA	0.0285 (J)	NA	NA	NA	0.108	0.147	0.173	0.0838	—	—
RE02-07-2705	02-600599	0.0–0.5	ALLH	0.0489	NA	0.0526	NA	NA	NA	0.178	0.226	0.379	0.109	—	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	NA	NA	NA	0.0136 (J)	0.0118 (J)	0.0195 (J)	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	0.106	NA	0.177	NA	NA	NA	0.277	0.222	0.257	0.089	0.15	—
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	0.0229 (J)	NA	0.0286 (J)	NA	NA	NA	0.0923	0.12	0.136	0.0713	0.0664	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	NA	NA	NA	—	—	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	0.0239 (J)	0.0205 (J)	0.0459 (J)	—	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	0.0161 (J)	NA	0.0334 (J)	NA	NA	NA	0.119	0.143 (J)	0.197 (J)	0.0777 (J)	0.0855 (J)	—
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	NA	—	—	0.0048	0.0025 (J)	—	—	—	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	0.0115	0.0072	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	0.003 (J)	0.0016 (J)	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	NA	—	—	0.0127 (J)	0.0064 (J)	—	0.0195 (J-)	0.0168 (J-)	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	0.0039	0.0019 (J)	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	NA	—	—	0.0026 (J)	0.0017 (J)	—	—	—	—	—	—
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	NA	—	—	—	—	—	—	—	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	NA	—	0.0045 (J-)	0.0055 (J-)	0.0057 (J-)	—	—	—	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	NA	—	—	—	0.0075 (J-)	—	0.0145 (J)	0.0111 (J)	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	NA	—	—	—	0.0052 (J-)	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	NA	—	—	0.0094	0.0045	—	—	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	0.0032 (J)	0.0019 (J)	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	0.0297 (J)	—	0.0425	—	0.0263	0.0206	0.106	0.171	0.151	0.0799 (J)	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	0.0163	0.0096	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	NA	—	—	0.0022 (J)	0.0016 (J)	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	0.0049	—	—	—	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	0.352	0.149	0.0196	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	NA	—	—	—	0.0025 (J)	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	0.0137	0.02	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	0.003 (J)	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	NA	—	—	0.0144	0.0121 (J)	—	—	—	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	0.0023 (J)	0.0036 (J)	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	NA	—	—	0.0078	0.0085	0.0283 (J)	—	0.0533 (J)	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	0.0477	0.0457	0.0145 (J)	—	0.0135 (J)	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	0.0025 (J)	0.0014 (J)	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	0.023 (J)	NA	0.0415	—	0.08	0.0991 (J)	0.162	—	0.262 (J)	—	0.132 (J)	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	0.0261	0.0396	0.0186 (J)	0.0122 (J)	0.0134 (J)	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	0.002 (J)	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	NA	0.00744 (J)	—	—	—	—	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	0.0063	0.0137	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	0.0182 (J)	NA	0.0473	—	0.0578	0.1	0.163	0.168 (J)	0.318 (J)	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	NA	0.00832 (J)	—	0.126	0.146	0.0458	—	0.0851 (J)	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	0.0448	0.0371	0.0159 (J)	0.0136 (J)	0.0189 (J)	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	NA	0.0173 (J)	—	0.0948	0.0959	0.0647	—	—	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	0.133 (J)	—	—	0.0089	0.0059	—	—	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	0.0125	0.0067	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	NA	—	—	0.0136	0.0154	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial Soil Screening Levels[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389[e]**
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0238 (J)	—	—	NA	NA
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	NA	NA	0.109	—	—	—	0.225	0.0471	0.108	NA	NA
RE02-07-2673	02-600594	9.5–11.6	QAL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2676	02-600595	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0115 (J)	—	—	NA	NA
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0169 (J)	—	—	NA	NA
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0147 (J)	—	—	NA	NA
RE02-07-2687	02-600597	4.5–5.3	QAL	0.254 (J)	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	NA	NA	0.0179 (J)	—	—	—	0.0373	—	—	NA	NA
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	0.0358 (J)	—	—	—	—	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000324 (J)
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	NA	NA	0.0695	—	—	—	0.171	—	—	NA	NA
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0139 (J)	—	—	NA	NA
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1140	02-600265	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial Soil Screening Levels[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	0.000239 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	0.281 (J)	NA	NA	—	—	—	—	0.014 (J)	—	—	NA	NA
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	0.000231 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	0.000266 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	0.000264 (J)	—	—	—	—	—	—	—	—	—	0.000519 (J)
RE02-07-1166	02-600271	4.5–5.0	QAL	—	0.000273 (J)	—	—	—	—	—	—	—	—	—	0.000345 (J)
RE02-07-1170	02-600273	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.012 (J)	—	—	NA	NA
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	0.0367 (J)	—	—	—	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	0.00288	—	0.0388 (J)	—	—	—	—	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0164 (J)	—	—	NA	NA
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	0.000364 (J)	—	—	—	—	—
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	NA	NA	0.0164 (J)	—	—	—	0.0299 (J)	—	0.013 (J)	NA	NA
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	—	0.0131 (J)	—	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	NA	NA	0.0427	—	—	—	0.0628	—	0.0248 (J)	NA	NA
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	0.0111 (J)	—	—	—	0.0236 (J)	—	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	NA	NA	0.0298 (J)	—	—	—	0.0424	—	—	NA	NA

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial Soil Screening Levels[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	—	NA	NA	0.19	—	—	—	0.415	0.0106 (J)	0.0668	NA	NA
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	—	0.0146 (J)	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	NA	NA	0.253	—	—	—	0.559	—	0.106	NA	NA
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	0.0243 (J)	—	—	—	0.0496	—	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	0.0494	—	—	—	0.0974	—	0.0142 (J)	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	NA	NA	—	0.0478 (J)	—	—	0.0104 (J)	—	—	NA	NA
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	0.0461 (J)	—	—	—	—	—	0.000342 (J)	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000986 (J)
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	NA	NA	0.161	—	—	—	0.325	—	0.0445	NA	NA
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	0.0489	—	—	—	0.0929	—	0.0195 (J)	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	NA	NA	0.0195 (J)	0.0789 (J)	—	—	0.0264 (J)	—	—	NA	NA
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	0.0184 (J)	—	—	—	0.0232 (J)	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
0402-95-0044	02-01147	7.5–8.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
0402-95-0045	02-01147	12.5–14.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0021	02-01225	5.0–7.0	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	NA	NA	0.085 (J)	—	0.061 (J)	—	0.058 (J)	—	—	NA	NA
CA02-00-0037	02-01228	5.5–7.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0043	02-01229	5.0–7.5	FILL	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0056	02-01231	5.0–6.5	FILL	—	NA	NA	—	—	—	—	0.023 (J)	—	—	NA	NA
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	NA	NA	—	—	—	—	—	—	—	NA	NA
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	NA	NA	—	0.038 (J)	—	—	—	—	—	NA	NA
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	NA	NA	—	0.03 (J)	—	—	—	—	—	NA	NA

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial Soil Screening Levels[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
CA02-00-0080	02-01234	5.0–7.0	FILL	—	NA	NA	—	0.068 (J)	—	—	—	—	—	NA	NA
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	NA	NA	0.15	—	—	—	0.211	0.0213 (J)	0.0819	NA	NA
RE02-07-2705	02-600599	0.0–0.5	ALLH	—	NA	NA	0.217	—	—	—	0.31	0.041	0.109	NA	NA
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	0.0132 (J)	—	—	—	0.0185 (J)	—	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	—	NA	NA	0.262	—	—	—	0.668	0.0924	0.0942	NA	NA
RE02-07-2711	02-600600	4.5–6.5	QAL	—	0.000223 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	0.000305 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	NA	NA	0.109	—	—	—	0.171	0.0175 (J)	0.0686	NA	NA
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	0.0175 (J)	—	—	—	0.0337 (J)	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	NA	NA	0.0232 (J)	—	—	—	0.0376	—	—	NA	NA
RE02-07-2725	02-600603	0.0–0.5	SED	—	NA	NA	0.132	—	—	—	0.257	0.0152 (J)	0.0728 (J)	NA	NA
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0153 (J-)	—	—	NA	NA
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	0.000231 (J)	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2963	02-600646	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0112 (J)	—	—	NA	NA
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	0.0364 (J)	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	0.0109 (J)	—	—	NA	NA
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	—	—	0.0837	—	—	—	0.183	0.0248 (J)	0.0934	—	—
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chloroform	Chloromethane	Chrysene	Di-n-butylphthalate	Dibenzofuran	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]
Industrial Soil Screening Levels[b]				**240**	**9.59**	**53.4**	**2310**	**68400**	**1620**	**37.4**	**24400**	**26500**	**23.4**	**389**	**389**[e]
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	—	—	0.0111 (J)	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	—	NA	NA	—	—	—	—	—	—	—	NA	NA
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	NA	NA	0.0325 (J)	—	—	—	0.0531	—	—	NA	NA
RE02-07-3211	02-600700	4.5–6.7	QAL	—	—	—	—	—	—	—	0.0152 (J)	—	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	NA	NA	0.172	—	—	—	0.377	0.0231 (J)	—	NA	NA
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	0.0137 (J)	—	—	—	0.0262 (J)	—	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	NA	NA	0.0392	—	—	—	0.0822	—	—	NA	NA
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	—	NA	NA	0.156	—	—	—	0.348	0.0175 (J)	—	NA	NA
RE02-07-3230	02-600704	0.0–0.5	SED	—	NA	NA	0.0452	—	—	—	0.0852	—	—	NA	NA
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	—	—	—	0.0233 (J)	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	NA	NA	0.0691	—	—	—	0.133	—	—	NA	NA
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	—	—	—	0.0505
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	NA	NA	0.0116 (J)	—	—	—	0.0226 (J)	—	—	NA	NA

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
SWMU 02-007															
RE02-07-2661	02-600592	0.0–0.5	ALLH	NA	—	—	—	0.0131 (J)	—	0.0191 (J)	NA	NA	NA	NA	NA
RE02-07-2662	02-600592	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2666	02-600593	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2667	02-600593	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2669	02-600593	14.5–16.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	NA	0.0281 (J)	0.0755	—	0.233	—	0.18	NA	NA	NA	NA	NA
RE02-07-2673	02-600594	9.5–11.6	QAL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2676	02-600595	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	NA	—	—	—	0.0109 (J)	—	0.02 (J)	NA	NA	NA	NA	NA
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	—	—	—	0.000311 (J)	—	—	—
RE02-07-2686	02-600597	0.0–0.5	ALLH	NA	—	—	—	—	—	0.015 (J)	NA	NA	NA	NA	NA
RE02-07-2687	02-600597	4.5–5.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(a)															
RE02-07-1129	02-600259	2.0–3.0	QAL	—	—	—	—	—	—	—	—	0.000526 (J)	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	NA	—	—	—	0.0351 (J)	—	0.0346 (J)	NA	NA	NA	NA	NA
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	—	—	—	0.000775 (J)	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	—	—	—	0.000428 (J)	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000392 (J+)	—	—	—
RE02-07-1136	02-600261	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.00036 (J)	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	NA	—	—	—	0.0828	—	0.136	NA	NA	NA	NA	NA
RE02-07-1138	02-600262	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.00112 (J+)	—	—	—
RE02-07-1139	02-600262	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000372 (J)	—	—	—
RE02-07-1146	02-600263	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1141	02-600263	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000498 (J+)	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	NA	—	—	0.257 (J)	—	—	0.0134 (J)	NA	NA	NA	NA	NA
RE02-07-1144	02-600264	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000395 (J)	—	—	0.000619 (J)
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.000389 (J)	0.000843 (J)	0.000535 (J)	0.000648 (J)
RE02-07-1140	02-600265	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1147	02-600265	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000949 (J+)	—	—	—
RE02-07-1148	02-600265	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	0.000986 (J)	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-1150	02-600266	2.0–2.5	ALLH	—	—	—	—	—	—	—	—	0.000877 (J+)	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1152	02-600267	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0133 (J)	NA	NA	NA	NA	NA
RE02-07-1153	02-600267	2.0–3.5	ALLH	—	—	—	—	—	—	—	—	0.000786 (J)	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	—	—	—	0.000743 (J)	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.00037 (J)	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000761 (J)	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000377 (J)	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	—	—	—	—	—	—	—	0.000488 (J+)	—	—	—
RE02-07-1165	02-600271	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000346 (J)	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000645 (J)	—	—	—
RE02-07-1170	02-600273	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1171	02-600273	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000405 (J)	—	—	—
RE02-07-1173	02-600274	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1174	02-600274	2.0–4.5	QAL	—	—	—	—	—	—	—	—	0.000331 (J)	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	—	—	—	0.000352 (J)	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1177	02-600275	2.0–3.0	QAL	—	—	—	—	—	0.102 (J)	—	—	0.00119	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	—	—	—	—	—	—	—	0.000504 (J)	—	—	—
RE02-07-1181	02-600276	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000495 (J)	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	—	—	—	—	—	0.00143	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0142 (J)	NA	NA	NA	NA	NA
RE02-07-1188	02-600279	0.0–0.8	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000308 (J)	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	—	—	—	—	—	—	0.000518 (J)	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	—	—	—	—	—	0.000502 (J+)	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
SWMU 02-009(b)															
RE02-07-2747	02-600605	0.0–0.5	ALLH	NA	—	—	—	0.0114 (J)	—	0.0339 (J)	NA	NA	NA	NA	NA
RE02-07-2748	02-600605	1.5–3.0	QAL	—	—	—	—	—	—	0.0118 (J)	—	—	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	NA	—	—	—	0.0334 (J)	—	0.0577	NA	NA	NA	NA	NA

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-2752	02-600606	1.5–1.9	QAL	—	—	—	—	—	—	0.02 (J)	—	0.00136	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	NA	—	—	—	0.0123 (J)	—	0.0514	NA	NA	NA	NA	NA
RE02-07-2756	02-600607	1.5–3.5	QAL	—	—	—	—	—	—	—	—	0.000653 (J)	—	—	—
RE02-07-2759	02-600608	0.0–0.5	ALLH	NA	—	—	—	0.206	—	0.35	NA	NA	NA	NA	NA
RE02-07-2760	02-600608	1.5–2.3	QAL	—	—	—	—	—	—	0.0151 (J)	—	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	NA	—	—	—	0.156	—	0.426	NA	NA	NA	NA	NA
RE02-07-2763	02-600609	1.5–2.3	QAL	—	—	—	—	0.0128 (J)	—	0.0319 (J)	—	—	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	—	—	—	0.0349 (J)	—	0.0848	—	—	—	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0117 (J)	NA	NA	NA	NA	NA
RE02-07-2766	02-600610	1.5–2.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	NA	—	—	—	0.067	—	0.241	NA	NA	NA	NA	NA
RE02-07-2769	02-600611	1.5–2.4	QAL	—	—	—	—	0.0214 (J)	—	0.0678	—	—	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	NA	—	—	—	—	—	0.0131 (J)	NA	NA	NA	NA	NA
RE02-07-2774	02-600613	0.0–1.5	ALLH	NA	0.00949 (J)	—	—	—	—	0.0206 (J)	NA	NA	NA	NA	NA
RE02-07-2775	02-600613	1.5–2.5	QAL	—	—	—	—	—	—	0.0207 (J)	—	—	—	—	—
SWMU 02-009(c)															
0402-95-0038	02-01146	7.5–8.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
0402-95-0044	02-01147	7.5–8.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
0402-95-0045	02-01147	12.5–14.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0021	02-01225	5.0–7.0	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0035	02-01228	0.0–2.5	ALLH	NA	0.29 (J)	0.2 (J)	—	0.16 (J)	—	0.097 (J)	NA	NA	NA	NA	NA
CA02-00-0037	02-01228	5.5–7.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0043	02-01229	5.0–7.5	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0044	02-01229	7.5–8.3	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0050	02-01230	8.0–10.0	ALLH	NA	—	—	—	—	0.04 (J)	—	NA	NA	NA	NA	NA
CA02-00-0051	02-01230	10.0–11.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0052	02-01230	12.5–14.0	ALLH	NA	—	—	—	—	0.14 (J)	—	NA	NA	NA	NA	NA
CA02-00-0056	02-01231	5.0–6.5	FILL	NA	—	0.022 (J)	—	0.036 (J)	—	0.032 (J)	NA	NA	NA	NA	NA
CA02-00-0057	02-01231	7.5–10.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0059	02-01231	12.5–13.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
CA02-00-0060	02-01231	13.0–15.0	QBT2	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0064	02-01232	7.5–10.0	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0074	02-01233	15.0–17.5	QBT2	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
CA02-00-0080	02-01234	5.0–7.0	FILL	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2700	02-600598	0.0–0.5	ALLH	NA	—	—	—	0.185	—	0.222	NA	NA	NA	NA	NA
RE02-07-2705	02-600599	0.0–0.5	ALLH	NA	0.0162 (J)	0.0254 (J)	—	0.313	—	0.386	NA	NA	NA	NA	NA
RE02-07-2706	02-600599	4.5–7.3	QAL	—	—	—	—	0.0159 (J)	—	0.0177 (J)	—	—	—	—	—
RE02-07-2710	02-600600	0.0–0.5	ALLH	NA	0.0359	0.0701	—	0.589	—	0.592	NA	NA	NA	NA	NA
RE02-07-2711	02-600600	4.5–6.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	NA	—	—	—	0.13	—	0.169	NA	NA	NA	NA	NA
RE02-07-2716	02-600601	4.5–6.7	QAL	—	—	—	—	0.0271 (J)	—	0.0387	—	0.000511 (J+)	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	NA	—	—	—	0.0191 (J)	—	0.0386	NA	NA	NA	NA	NA
RE02-07-2725	02-600603	0.0–0.5	SED	NA	—	—	—	0.157	—	0.28	NA	NA	NA	NA	NA
RE02-07-2948	02-600643	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2949	02-600643	4.5–5.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2953	02-600644	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0114 (J-)	NA	NA	NA	NA	NA
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2958	02-600645	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2963	02-600646	0.0–0.5	ALLH	NA	—	—	—	—	—	0.0129 (J)	NA	NA	NA	NA	NA
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	—	—	—	0.000239 (J)	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	NA	0.0323 (J)	0.0143 (J)	—	0.0169 (J)	—	—	NA	NA	NA	NA	NA
RE02-07-2976	02-600648	13.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	NA	0.0224 (J)	0.011 (J)	—	0.0141 (J)	—	—	NA	NA	NA	NA	NA
RE02-07-2983	02-600650	0.0–0.5	ALLH	NA	0.0108 (J)	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	—	—	—	—	—	0.000552 (J)	—	—	—
RE02-07-2988	02-600651	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2989	02-600651	4.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	0.0217 (J)	0.0763	—	0.15	—	0.142	—	—	—	—	—

Table F-2.17-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	MethylNaphthalene[2-]	Naphthalene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Styrene	Toluene	TrimethylBenzene[1,2,4-]	TrimethylBenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**490**	**300**[f]	**300**	**100**	**20500**	**100000**	**30900**	**100**	**252**	**213**	**69.2**	**99.5**
RE02-07-2992	02-600651	14.5–16.9	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	0.0031 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2993	02-600652	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-2995	02-600652	9.5–11.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2997	02-600652	14.5–16.6	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3200	02-600698	0.0–0.5	ALLH	NA	0.00922 (J)	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-3201	02-600698	4.5–7.3	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3205	02-600699	0.0–0.5	ALLH	NA	—	—	—	—	—	—	NA	NA	NA	NA	NA
RE02-07-3208	02-600699	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	NA	0.0308 (J)	0.0209 (J)	—	0.0395	—	0.0522	NA	NA	NA	NA	NA
RE02-07-3211	02-600700	4.5–6.7	QAL	—	0.0116 (J)	—	—	0.0137 (J)	—	0.0138 (J)	—	0.000418 (J)	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	NA	0.0121 (J)	0.0174 (J)	—	0.22	—	0.324	NA	NA	NA	NA	NA
RE02-07-3216	02-600701	4.5–6.2	QAL	—	—	—	—	0.0143 (J)	—	0.0197 (J)	—	—	—	—	—
RE02-07-3217	02-600701	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	NA	0.0256 (J)	0.0173 (J)	—	0.0402	—	0.0799	NA	NA	NA	NA	NA
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	NA	—	—	—	0.219	—	0.355	NA	NA	NA	NA	NA
RE02-07-3230	02-600704	0.0–0.5	SED	NA	—	—	—	0.0451	—	0.0816	NA	NA	NA	NA	NA
RE02-07-3233	02-600704	14.5–16.7	QBO	—	—	—	—	0.0208 (J)	—	0.0196 (J)	—	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	NA	—	—	—	0.0778	—	0.148	NA	NA	NA	NA	NA
RE02-07-3236	02-600705	4.5–6.3	QAL	—	—	—	—	—	—	—	—	0.00456	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	NA	—	—	—	0.0105 (J)	—	0.0246 (J)	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table F-2.17-3
Summary of Radionuclides Detected or Detected above BV/FV at Consolidated Unit 02-007-00

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
SWMU 02-007												
RE02-07-2661	02-600592	0.0–0.5	ALLH	—[e]	—	—	0.0626	—	0.0168574	—	—	—
RE02-07-2664	02-600592	16.0–21.0	QBO	—	—	—	—	—	0.159145	—	—	—
RE02-07-2667	02-600593	4.5–7.0	QAL	—	0.855	—	0.0561	0.276	—	—	—	—
RE02-07-2672	02-600594	4.5–6.9	QAL	—	1.16	—	0.0394	0.27	0.073	—	—	—
RE02-07-2677	02-600595	4.5–6.0	QAL	—	—	—	—	—	0.0274948	—	—	—
RE02-07-2681	02-600596	0.0–0.5	ALLH	—	—	—	—	1.41	—	—	—	—
RE02-07-2682	02-600596	4.5–6.7	QAL	—	—	—	—	—	0.0166681	—	—	—
RE02-07-2684	02-600596	14.5–16.7	QBO	—	—	—	0.231 (J-)	—	—	—	—	—
SWMU 02-009(a)												
CA02-00-0186	02-01259	0.0–0.5	ALLH	—	8.72	—	—	—	0.0745361	—	—	—
CA02-00-0187	02-01259	2.0–2.5	ALLH	—	4.84	—	—	—	0.041134	—	—	—
CA02-00-0188	02-01260	0.0–0.5	ALLH	—	2.79	—	—	—	—	—	—	—
CA02-00-0189	02-01260	2.0–2.5	ALLH	—	0.604	—	—	0.395	0.0629167	—	—	—
CA02-00-0208	02-01263	0.0–0.5	ALLH	—	—	—	—	—	0.0774023	—	—	—
CA02-00-0209	02-01263	2.0–2.5	ALLH	—	—	—	—	—	0.0626316	—	—	—
CA02-00-0211	02-01263	5.0–5.5	ALLH	—	0.132	—	—	—	0.0775269	—	—	—
CA02-00-0213	02-01264	0.0–0.5	ALLH	—	2.12	—	—	—	—	—	—	—
CA02-00-0214	02-01264	2.0–2.5	ALLH	—	0.159	—	—	—	0.05	—	—	—
CA02-00-0215	02-01264	5.0–5.5	ALLH	—	1.15	—	—	0.451	0.0445833	—	—	—
RE02-07-1128	02-600259	0.0–0.5	ALLH	—	2.23	—	—	—	—	—	—	—
RE02-07-1129	02-600259	2.0–3.0	QAL	—	0.165	—	—	—	—	—	—	—
RE02-07-1130	02-600259	4.5–5.1	QAL	—	—	—	—	—	0.0150508	—	—	—
RE02-07-1131	02-600260	0.0–0.5	ALLH	—	—	—	0.0563	—	—	—	—	—
RE02-07-1132	02-600260	2.0–4.4	QAL	—	—	—	—	—	0.0146047	—	—	—
RE02-07-1133	02-600260	4.5–7.2	QAL	—	—	—	—	—	0.0419636	—	—	—
RE02-07-1135	02-600261	2.0–2.5	ALLH	—	0.522	—	—	—	—	—	—	—
RE02-07-1137	02-600262	0.0–0.5	ALLH	—	—	—	0.112	—	—	—	—	—

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-1138	02-600262	2.0–2.5	QAL	—	0.234	—	—	—	0.021882	—	—	—
RE02-07-1143	02-600264	0.0–0.5	ALLH	—	—	—	0.0648	—	—	—	—	—
RE02-07-1145	02-600264	4.5–5.0	ALLH	—	—	—	—	—	0.0211134	—	—	—
RE02-07-1151	02-600266	4.5–5.0	ALLH	—	—	—	—	—	0.0224636	—	—	—
RE02-07-1154	02-600267	4.5–5.5	QAL	—	—	—	—	—	0.010856	—	—	—
RE02-07-1156	02-600268	2.0–2.5	QAL	—	0.485	—	—	—	—	—	—	—
RE02-07-1157	02-600268	4.5–5.0	QAL	—	1.88	—	—	—	0.0126976	—	—	—
RE02-07-1159	02-600269	2.0–2.5	QAL	—	—	—	—	—	0.0253049	—	—	—
RE02-07-1160	02-600269	4.5–5.0	QAL	—	—	—	—	—	0.0406606	—	—	—
RE02-07-1161	02-600270	0.0–1.1	ALLH	—	1.59	—	—	—	—	—	—	—
RE02-07-1162	02-600270	2.0–2.8	QAL	—	0.205	—	—	—	—	—	—	—
RE02-07-1163	02-600270	4.5–5.0	QAL	—	0.193	—	—	—	0.0110716	—	—	—
RE02-07-1166	02-600271	4.5–5.0	QAL	—	0.144	—	—	—	—	—	—	—
RE02-07-1167	02-600272	0.0–0.5	ALLH	—	2.76	—	—	—	—	—	—	—
RE02-07-1168	02-600272	2.0–4.0	QAL	—	2.79	—	—	0.483	—	—	—	—
RE02-07-1172	02-600273	4.5–5.0	QAL	—	—	—	—	—	0.0160548	—	—	—
RE02-07-1175	02-600274	4.5–10.0	QAL	—	—	—	—	—	0.0238351	—	—	—
RE02-07-1176	02-600275	0.0–0.5	ALLH	—	12.1	—	0.0774	—	—	—	—	—
RE02-07-1177	02-600275	2.0–3.0	QAL	—	3.91	—	—	0.391	—	—	—	—
RE02-07-1178	02-600275	4.5–5.5	QAL	—	0.692	—	—	—	—	—	—	—
RE02-07-1179	02-600276	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-1183	02-600277	2.0–3.0	QAL	—	—	—	0.0204	—	—	—	—	—
RE02-07-1185	02-600278	0.0–0.5	ALLH	—	—	—	0.114	—	—	—	—	—
RE02-07-1188	02-600279	0.0–0.8	ALLH	—	0.873	—	0.109	—	—	—	—	—
RE02-07-1189	02-600279	2.0–2.5	QAL	—	—	—	—	—	0.0105311	—	—	—
RE02-07-1190	02-600279	4.5–5.0	QAL	—	—	0.047	4.17	—	0.0124268	—	—	—
RE02-07-1192	02-600280	2.0–2.5	QAL	—	—	—	0.0788	—	—	—	—	—
RE02-07-1196	02-600281	4.5–5.0	QAL	—	—	—	—	—	0.0146073	—	—	—

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
SWMU 02-009(b)												
CA02-00-0176	02-01243	5.0–7.0	ALLH	—	0.872	—	0.0502	—	0.0489727	—	—	—
CA02-00-0178	02-01243	13.0–14.0	QBT3	0.101	—	—	—	—	—	—	—	—
CA02-00-0181	02-01244	6.0–7.0	ALLH	—	—	—	—	—	0.05639	—	—	—
CA02-00-0182	02-01244	12.5–13.5	QBT3	—	—	—	—	—	0.115916	—	0.236	—
RE02-07-2747	02-600605	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-2748	02-600605	1.5–3.0	QAL	—	0.848	—	0.0495	—	0.0120486	—	—	—
RE02-07-2751	02-600606	0.0–0.5	ALLH	—	—	—	0.0647	—	—	—	—	—
RE02-07-2752	02-600606	1.5–1.9	QAL	—	6.01	—	0.426	1.93	0.0130299	—	—	—
RE02-07-2755	02-600607	0.0–0.5	ALLH	—	8.62	—	0.432	—	—	—	—	—
RE02-07-2756	02-600607	1.5–3.5	QAL	—	8.01	—	0.238	—	—	—	—	—
RE02-07-2757	02-600607	15.0–21.0	QBO	—	—	—	—	—	0.0650809	—	—	—
RE02-07-2760	02-600608	1.5–2.3	QAL	—	0.391	—	0.034	—	—	—	—	—
RE02-07-2761	02-600608	11.5–13.7	QAL	—	—	—	—	—	0.0856982	—	—	—
RE02-07-2762	02-600609	0.0–0.5	ALLH	—	2.13	—	0.11	—	—	—	—	—
RE02-07-2763	02-600609	1.5–2.3	QAL	—	5.59	—	0.344	4.02	0.0131881	—	—	—
RE02-07-2764	02-600609	11.5–14.5	QAL	—	0.509	—	—	—	0.0180749	—	—	—
RE02-07-3982	02-600609	21.5–23.5	QBO	—	—	—	—	—	0.0849524	—	—	—
RE02-07-2765	02-600610	0.0–0.5	ALLH	—	8.32	—	0.0915	2.49	—	2.87	—	—
RE02-07-2766	02-600610	1.5–2.5	QAL	—	2.13	—	0.0432	0.388	—	—	—	—
RE02-07-2767	02-600610	11.5–13.5	QAL	—	2.24	—	—	0.706	0.0651043	—	—	—
RE02-07-3983	02-600610	21.5–24.5	QBO	—	—	—	—	—	0.051752	—	—	—
RE02-07-2768	02-600611	0.0–0.5	ALLH	—	—	—	—	—	0.00727748	—	—	—
RE02-07-2769	02-600611	1.5–2.4	QAL	—	1.06	—	—	0.471	—	—	—	—
RE02-07-2771	02-600612	0.0–1.2	ALLH	—	0.829	—	—	0.261	—	—	—	—
RE02-07-2774	02-600613	0.0–1.5	ALLH	—	0.94	—	—	—	—	—	—	—
RE02-07-2775	02-600613	1.5–2.5	QAL	—	0.609	—	0.0425	0.247	—	—	—	—
SWMU 02-009(c)												
0402-95-0005	02-01140	8.5–9.5	QBT2	NA[a]	0.95	—	0.024	—	0.237819	—	—	—
0402-95-0006	02-01140	12.5–13.5	QBT2	NA	0.24	—	0.011	—	0.122899	—	—	—

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
0402-95-0011	02-01141	7.5–8.5	QBT2	NA	NA	—	—	—	0.425847	—	—	—
0402-95-0015	02-01142	4.0–5.0	QBT2	NA	30.82	—	0.117	1.56	0.229631	—	—	—
0402-95-0016	02-01142	9.0–10.0	QBT2	NA	NA	—	—	—	0.314579	—	—	—
0402-95-0017	02-01142	16.5–17.5	QBT2	NA	0.53	—	—	0.47	0.872936	2.15	—	—
0402-95-0021	02-01143	3.0–5.0	QBT2	NA	2.49	—	0.06	0.42	0.0711778	—	—	—
0402-95-0022	02-01143	9.0–10.0	QBT2	NA	5.13	—	0.012	0.34	0.0617607	—	—	—
0402-95-0023	02-01143	14.0–15.0	QBT2	NA	3.22	—	—	—	0.113008	—	—	—
0402-95-0038	02-01146	7.5–8.5	ALLH	NA	3.44	—	0.022	1.36	0.406635	—	—	—
0402-95-0039	02-01146	11.5–12.5	ALLH	NA	1.37	—	—	1.35	0.107786	—	—	—
0402-95-0044	02-01147	7.5–8.5	FILL	NA	0.51	—	0.073	2.35	0.383667	—	—	—
0402-95-0045	02-01147	12.5–14.0	ALLH	NA	0.92	—	0.098	7.39	0.24503	—	—	—
0402-95-0049	02-01148	8.0–9.0	QBT2	NA	5.39	—	0.012	1	0.140325	—	—	—
0402-95-0050	02-01148	12.5–13.5	QBT2	NA	2.79	—	0.17	2.57	—	—	—	—
CA02-00-0021	02-01225	5.0–7.0	FILL	—	0.143	—	0.0571	—	0.0475939	—	—	—
CA02-00-0022	02-01225	8.0–9.0	ALLH	—	0.162	—	—	—	0.0546123	—	—	—
CA02-00-0023	02-01225	10.0–11.5	ALLH	—	0.0687	—	—	3.78	0.050789	—	—	—
CA02-00-0024	02-01225	12.5–15.0	QBT2	0.115	—	—	—	—	0.0416412	2.57	0.111	2.69
CA02-00-0027	02-01226	10.0–12.0	QBT2	0.0818	—	—	—	1.67	—	2.2	—	2.21
CA02-00-0028	02-01226	12.5–14.0	QBT2	—	—	—	—	—	—	2.62	0.111 (J-)	2.71
CA02-00-0031	02-01227	5.0–7.5	FILL	—	0.266	—	0.0582	0.525	—	—	—	—
CA02-00-0032	02-01227	7.5–9.0	ALLH	—	0.36	—	—	0.716	—	—	—	—
CA02-00-0033	02-01227	10.0–12.0	ALLH	0.0658	0.399	—	0.0283	1.12	—	—	—	—
CA02-00-0034	02-01227	12.5–14.0	ALLH	—	—	—	—	0.574	0.0403466	—	—	2.3
CA02-00-0216	02-01228	0.0–0.5	SED	—	7.61	—	0.391	—	—	—	—	—
CA02-00-0035	02-01228	0.0–2.5	ALLH	—	15.2	—	0.934	1.5	0.0465446	—	—	—
CA02-00-0036	02-01228	2.5–4.5	ALLH	—	0.815	—	0.992	1.22	—	—	—	—
CA02-00-0037	02-01228	5.5–7.5	FILL	0.0707	1.45	—	0.382	2.15	—	—	—	—
CA02-00-0038	02-01228	7.5–10.0	ALLH	0.0677	1.31	—	—	1.07	—	—	—	—
CA02-00-0039	02-01228	10.0–12.3	ALLH	—	1.01	—	0.0482	1.53	—	—	—	—
CA02-00-0040	02-01228	12.5–14.5	QBT2	—	—	—	—	1.83	0.0551244	2.33	0.098	2.32

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
CA02-00-0043	02-01229	5.0–7.5	FILL	—	20.7	—	0.189	0.471 (J-)	—	—	—	—
CA02-00-0044	02-01229	7.5–8.3	ALLH	—	15.6	—	0.347	1.38 (J-)	—	4.37	—	3.92
CA02-00-0045	02-01229	10.5–12.0	ALLH	—	7.66	—	0.243	4.03 (J-)	0.0325556	4.33	—	3.87
CA02-00-0046	02-01229	12.5–15.0	QBT2	0.119	—	—	—	—	0.043619	2.58	0.106 (J-)	2.56
CA02-00-0049	02-01230	5.0–7.0	FILL	—	0.314	—	—	—	0.0781364	—	—	—
CA02-00-0050	02-01230	8.0–10.0	ALLH	—	64.9	—	0.0265	2.82 (J-)	0.0183191	—	—	—
CA02-00-0051	02-01230	10.0–11.5	ALLH	—	7.64	—	0.06	1.05 (J-)	0.0488182	—	—	—
CA02-00-0052	02-01230	12.5–14.0	ALLH	—	10.5	—	0.0503	1.39 (J-)	0.0472184	—	—	—
CA02-00-0053	02-01230	15.0–17.5	QBT2	0.121	0.149	—	—	1.86 (J-)	0.0643291	2.43	—	2.68
CA02-00-0056	02-01231	5.0–6.5	FILL	—	77.7	—	0.078	11.8 (J-)	0.177778	—	—	—
CA02-00-0057	02-01231	7.5–10.0	ALLH	—	2.18	—	0.0465	0.353 (J-)	0.0809551	—	—	—
CA02-00-0058	02-01231	10.0–12.0	ALLH	—	0.853	—	0.0515	0.434 (J-)	—	—	—	—
CA02-00-0059	02-01231	12.5–13.0	ALLH	—	0.291	—	0.0421	—	—	—	—	—
CA02-00-0060	02-01231	13.0–15.0	QBT2	—	2.22	—	0.0222	0.546 (J-)	0.0557356	—	—	—
CA02-00-0063	02-01232	5.0–7.0	FILL	—	0.208	—	0.0323	—	0.0812174	—	—	—
CA02-00-0064	02-01232	7.5–10.0	ALLH	—	0.501	—	0.025	—	0.0411702	—	—	—
CA02-00-0065	02-01232	10.0–11.0	ALLH	—	1.66	—	0.0845	—	0.0481648	—	—	—
CA02-00-0066	02-01232	12.5–15.0	QBT2	—	0.433	—	0.0323	—	0.0570805	—	—	—
CA02-00-0077	02-01233	5.0–7.5	FILL	—	1.03	—	0.0838	—	0.0544194	—	—	—
CA02-00-0070	02-01233	7.5–10.0	ALLH	—	1.36	—	0.0952	—	—	—	—	—
CA02-00-0071	02-01233	11.0–12.5	ALLH	0.075	0.609	—	0.0423	—	0.0901364	—	—	—
CA02-00-0072	02-01233	12.5–13.5	ALLH	—	0.408	—	—	—	0.0312366	—	—	—
CA02-00-0073	02-01233	14.0–15.0	ALLH	—	0.427	—	—	—	0.0806849	—	—	—
CA02-00-0074	02-01233	15.0–17.5	QBT2	—	0.165	—	—	—	0.241605	2.19	0.0914 (J-)	2.11
CA02-00-0080	02-01234	5.0–7.0	FILL	0.0718	17	—	0.333	2.78	0.210659	—	—	—
CA02-00-0081	02-01234	7.5–9.25	ALLH	—	30.5	—	0.629	3.27	0.572727	—	—	—
CA02-00-0082	02-01234	10.0–11.5	ALLH	—	31.7	—	0.697	3.15	0.024433	—	—	—
RE02-07-2700	02-600598	0.0–0.5	ALLH	—	2.32	—	0.0849	—	—	—	—	—
RE02-07-2703	02-600598	14.5–16.7	QBO	—	—	—	—	—	—	—	0.233	—
RE02-07-2706	02-600599	4.5–7.3	QAL	—	0.158	—	0.0346	—	—	—	—	—

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-2711	02-600600	4.5–6.5	QAL	—	0.168	—	—	—	—	—	—	—
RE02-07-2713	02-600600	14.5–17.0	QBO	—	—	—	—	—	—	—	0.184	—
RE02-07-2715	02-600601	0.0–0.5	ALLH	—	1.9	—	0.0566	—	—	—	—	—
RE02-07-2716	02-600601	4.5–6.7	QAL	—	1.64	—	0.0621	—	—	—	—	—
RE02-07-2718	02-600601	14.5–16.8	QBO	—	—	—	0.0543	—	—	—	—	—
RE02-07-2720	02-600602	0.0–0.5	ALLH	—	—	—	0.0582	—	—	—	—	—
RE02-07-2721	02-600602	4.5–9.5	QAL	—	0.272	—	—	—	—	—	—	—
RE02-07-2723	02-600602	14.5–19.5	QBO	—	—	—	0.0397	—	—	—	—	—
RE02-07-2725	02-600603	0.0–0.5	SED	—	—	—	0.188	—	—	—	—	—
RE02-07-2730	02-600604	0.0–0.5	SED	—	—	—	0.487	—	—	—	—	—
RE02-07-2948	02-600643	0.0–0.5	ALLH	—	—	—	—	—	0.0110722	—	—	—
RE02-07-2949	02-600643	4.5–5.5	QAL	—	0.96	—	—	—	0.0317137	—	—	—
RE02-07-2950	02-600643	9.5–12.4	QAL	—	—	—	—	1.21	0.0238539	—	—	—
RE02-07-2954	02-600644	4.5–5.2	QAL	—	—	—	—	—	0.0240805	—	—	—
RE02-07-2955	02-600644	9.5–11.7	QAL	—	0.188	—	—	0.244	—	—	0.211	—
RE02-07-2956	02-600644	14.5–19.5	QBO	—	—	—	—	0.449	—	—	—	—
RE02-07-2959	02-600645	4.5–5.25	QAL	—	10.3	—	—	1.87	0.0373926	—	—	—
RE02-07-2960	02-600645	9.5–12.2	QAL	—	0.431	—	—	0.559	0.0375111	—	—	—
RE02-07-2964	02-600646	4.5–8.3	QAL	—	—	—	—	—	0.0912322	—	—	—
RE02-07-2965	02-600646	9.5–11.7	QAL	—	—	—	—	2.01	—	—	—	—
RE02-07-2968	02-600647	0.0–0.5	ALLH	—	—	—	0.0588	1.94	—	—	—	—
RE02-07-2969	02-600647	4.5–4.9	QAL	—	—	—	—	—	0.0222857	—	—	—
RE02-07-2976	02-600648	13.5–14.5	QBO	—	2.26	—	—	2.56	—	—	—	—
RE02-07-2977	02-600648	14.5–19.5	QBO	—	0.16	—	—	0.333	—	—	—	—
RE02-07-2978	02-600649	0.0–0.5	ALLH	—	—	—	0.0636	—	0.0168726	—	—	—
RE02-07-2983	02-600650	0.0–0.5	ALLH	—	—	—	0.0608	—	—	—	—	—
RE02-07-2984	02-600650	4.5–6.3	QAL	—	—	—	0.115 (J-)	0.359	—	—	—	—
RE02-07-2985	02-600650	9.5–11.3	QAL	—	0.495	—	—	0.505	—	—	—	—
RE02-07-2989	02-600651	4.5–5.0	QAL	—	3.36	—	—	—	0.0404346	—	—	—
RE02-07-2990	02-600651	9.5–12.7	QAL	—	232	—	0.288	1.34	0.0497727	—	—	—

Table F-2.17-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/FILL/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-2992	02-600651	14.5–16.9	QBO	—	8.12	—	0.0542	—	—	—	—	—
RE02-07-2991	02-600651	19.5–21.6	QBO	—	0.316	—	—	—	—	—	—	—
RE02-07-2995	02-600652	9.5–11.7	QAL	—	1.58	—	—	—	—	—	—	—
RE02-07-3201	02-600698	4.5–7.3	QAL	—	121	—	0.283	0.899	—	—	—	—
RE02-07-3202	02-600698	9.5–12.2	QAL	—	4.56	—	—	—	—	—	—	—
RE02-07-3206	02-600699	4.5–7.0	QAL	—	2.95	—	—	1.16	—	—	—	—
RE02-07-3208	02-600699	14.5–19.5	QBO	—	13.9	—	0.051	1.1	—	—	—	—
RE02-07-3209	02-600699	19.5–21.7	QBO	—	2.82	—	—	—	—	—	—	—
RE02-07-3210	02-600700	0.0–0.5	ALLH	—	—	—	0.223	—	—	—	—	—
RE02-07-3211	02-600700	4.5–6.7	QAL	—	0.527	—	0.616	0.326	0.0748952	—	—	—
RE02-07-3212	02-600700	9.5–11.1	QAL	—	0.215	—	—	—	0.0930691	—	—	—
RE02-07-3215	02-600701	0.0–0.5	ALLH	—	—	—	0.804	—	—	—	—	—
RE02-07-3216	02-600701	4.5–6.2	QAL	—	0.565	—	0.254	—	—	—	—	—
RE02-07-3220	02-600702	0.0–0.5	ALLH	—	—	—	0.142	—	—	—	—	—
RE02-07-3221	02-600702	4.5–6.7	QAL	—	—	—	0.0456	—	—	—	—	—
RE02-07-3225	02-600703	0.0–0.5	SED	—	—	—	0.547	—	—	—	—	—
RE02-07-3230	02-600704	0.0–0.5	SED	—	—	—	0.409	—	—	—	—	—
RE02-07-3233	02-600704	14.5–16.7	QBO	—	0.183	—	0.149 (J-)	—	—	—	—	—
RE02-07-3235	02-600705	0.0–0.5	SED	—	—	—	0.676	—	—	—	—	—
RE02-07-3236	02-600705	4.5–6.3	QAL	—	0.119	—	0.138	—	—	—	—	—
RE02-07-3237	02-600705	9.5–11.7	QBO	—	—	—	0.0256	1.12	—	—	—	—
RE02-07-3240	02-600706	0.0–0.5	SED	—	—	—	0.214	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.18-1
Summary of Inorganic Chemicals above BV at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)	Iron	Lead	Manganese	Nitrate	Selenium	Silver	Thallium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**na[b]**	**14.7**	**0.5**	**21500**	**22.3**	**671**	**na**	**1.52**	**1**	**0.73**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**na**	**3.96**	**0.5**	**3700**	**13.5**	**189**	**na**	**0.3**	**1**	**1.22**	**4.59**	**40**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**10.5**	**na**	**11.2**	**0.82**	**13800**	**19.7**	**543**	**na**	**0.3**	**1**	**0.73**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**5000[d]**	**3400**	**45400**	**13700**	**100000**	**800**	**48400**	**100000**	**5680**	**5680**	**74.9**	**1140**	**100000**
CA02-00-0321	02-01249	0.0–0.5	SED	—[e]	—	—	—	—	37	NA[f]	13	NA	—	22	—	NA	—	1.1	—	—	68 (J+)
RE02-07-2052	02-600481	0.0–0.5	ALLH	—	—	—	—	0.53 (U)	29	—	—	—	—	—	—	1.97	1.59 (U)	—	1.06 (U)	—	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	—	—	0.516 (U)	22.4	1.1	—	—	—	—	—	—	10	—	—	—	—
RE02-07-2055	02-600481	8.5–13.5	QAL	—	—	—	—	0.553 (U)	104	1.12	—	—	—	—	—	—	10.2	—	—	—	—
RE02-07-2054	02-600481	13.5–16.0	QBO	11600	0.53 (UJ)	1.25 (J)	29.3	0.66 (U)	36.6	0.196	9	—	7520	—	233 (J-)	—	10.7	—	—	6.77	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—	2.39	1.69 (U)	—	—	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	—	0.501 (U)	—	0.151	—	—	—	—	—	—	2.01	—	—	—	52.6
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	—	0.526 (U)	30.9 (U)	—	230	—	—	22.4	—	—	—	—	—	—	78.9 (J)
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	—	0.559 (U)	—	—	68.6	—	—	—	—	—	—	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	6610	—	1.79 (U)	—	0.596 (U)	—	—	—	—	5770	—	194	—	1.79 (U)	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	—	—	—	—	34.6	—	—	—	—	—	—	0.937 (J)	1.53 (U)	—	—	—	60.1
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	—	—	0.531 (U)	40.4	—	—	—	—	—	—	0.983	9.15	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	—	0.569 (U)	20	—	—	—	—	—	—	—	8.84	—	—	—	—
RE02-07-2062	02-600483	13.5–16.0	QBO	11200	0.534 (UJ)	1.95 (U)	—	0.651 (U)	5.62	—	—	—	5610	—	230 (J-)	—	8.59	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	0.723 (J-)	—	—	—	1.22	1.56 (U)	—	—	—	62.1
RE02-07-2065	02-600484	2.0–2.7	QAL	—	—	—	—	0.516 (U)	40.5	—	19.3	—	—	57.7	—	1.24	2.56 (U)	—	—	—	69.9

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.18-2
Summary of Organic Chemicals Detected at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**
RE02-07-2052	02-600481	0.0–0.5	ALLH	—[c]	—	—	0.1	—	0.0941 (J)	0.0164 (J)	—	0.0131 (J)	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	0.0086	0.0114	—	—	—	—	—	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	0.0646	0.109	—	—	—	—	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	0.0034 (J)	—	—	—	—	—	—
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	0.0027 (J)	—	—	—	—	—	—
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	0.0047	—	—	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	—	0.058	0.0944	0.0242 (J)	0.0976 (J)	0.0392 (J)	0.032 (J)	—	0.164 (J)
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	0.0078	0.009	—	—	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	0.0045 (J)	—	—	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	0.021 (J)	0.0368	0.186	0.246	0.096	0.0926	0.144	—	—	—
RE02-07-2065	02-600484	2.0–2.7	QAL	—	0.0238 (J)	0.139	0.222	0.129	0.118	0.162	—	0.0659	—

Table F-2.18-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Phenanthrene	Pyrene	Styrene	Toluene
Industrial Soil Screening Levels[b]				**2310**	**24400**	**26500**	**23.4**	**490**	**20500**	**30900**	**100**	**252**
RE02-07-2052	02-600481	0.0–0.5	ALLH	0.0157 (J)	0.0247 (J)	—	—	NA[d]	—	0.0335 (J)	NA	NA
RE02-07-2053	02-600481	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	—	—	—	NA	—	—	NA	NA
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	—	—	—	NA	—	—	NA	NA
RE02-07-2057	02-600482	4.5–7.0	QAL	—	—	—	—	0.00295 (J)	—	—	—	—
RE02-07-2059	02-600482	7.0–9.5	QAL	—	—	—	—	0.00306 (J)	—	—	—	—
RE02-07-2058	02-600482	9.5–14.5	QBO	—	—	—	—	0.00385 (J)	—	—	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	0.026 (J)	0.0442	—	0.0542 (J)	NA	0.0237 (J)	0.041	NA	NA
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2063	02-600483	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	0.12	0.254	0.0178 (J)	0.104	NA	0.165	0.216	NA	NA
RE02-07-2065	02-600484	2.0–2.7	QAL	0.138	0.242	—	0.118	—	0.107	0.267	0.00589	0.000665 (J)

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

Table F-2.18-3
Summary of Radionuclides Detected or Detected above BV/FV at SWMU 02-008(a)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**na[c]**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**0.068**	**0.093**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**440000**	**87**
CA02-00-0321	02-01249	0.0–0.5	SED	—[e]	1.87	0.257143 (J+)	—
RE02-07-2052	02-600481	0.0–0.5	ALLH	—	0.216	—	—
RE02-07-2053	02-600481	4.5–8.5	QAL	—	0.0634 (J-)	0.0733034	—
RE02-07-2054	02-600481	13.5–16.0	QBO	—	—	—	0.213
RE02-07-6286	02-600482	0.0–0.5	ALLH	—	0.135	—	—
RE02-07-2056	02-600482	0.0–4.5	ALLH	—	0.64	—	—
RE02-07-2057	02-600482	4.5–7.0	QAL	—	0.069	0.0190657	—
RE02-07-2059	02-600482	7.0–9.5	QAL	0.155	0.142	—	—
RE02-07-2060	02-600483	0.0–0.5	ALLH	—	0.323	0.0286442	—
RE02-07-2061	02-600483	4.5–8.5	QAL	—	—	0.0558085	—
RE02-07-2063	02-600483	8.5–13.5	QAL	0.353	0.128 (J-)	—	—
RE02-07-2064	02-600484	0.0–0.5	ALLH	—	0.819	—	—
RE02-07-2065	02-600484	2.0–2.7	QAL	0.313	0.573	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.19-1
Summary of Inorganic Chemicals above BV at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**21500**	**671**	**0.1**	**15.4**	**na**[b]	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**3700**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**15400**	**3.98**	**127**	**0.4**	**10.5**	**11.2**	**13800**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**5000**[d]	**45400**	**100000**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**5680**	**1140**	**100000**
CA02-00-0168	02-01253	0.0–0.5	SED	—[e]	—	—	—	—	17 (J+)	—	—	0.25	—	NA[f]	—	—	1.8	21 (J+)	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	—	—	0.625 (U)	—	—	—	—	—	—	1.2 (J-)	—	—	—	—	65.3
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.00168 (J+)	2.43	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	—	30.7	18.6 (J)	—	—	0.138	—	1.87 (J-)	—	1.82	—	—	80.7
RE02-07-2839	02-600625	16.5–21.0	QBO	5950 (J+)	1.79 (U)	34.1	0.598 (U)	66.7	7.84 (J)	9230 (J)	293 (J)	—	4.91	—	—	1.1 (J)	—	7.2	—
RE02-07-2841	02-600626	0.0–0.5	ALLH	—	—	—	0.508 (U)	—	22.5	—	—	3.46	—	—	0.000606 (J+)	2.77	—	—	—
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.54 (U)	—	—	—	—	0.326	—	—	—	—	—	—	—
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	—	0.566 (U)	—	—	—	—	—	—	—	—	—	—	—	52.7
RE02-07-2844	02-600626	13.5–18.5	QBO	—	1.65 (J)	—	0.572 (U)	19.2 (J)	—	9070	419 (J-)	—	4.16	—	—	1.72 (U)	—	8.23 (J)	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	—	—	0.517 (U)	—	—	—	—	0.273	—	0.858 (J-)	—	2.54	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.19-2
Summary of Organic Chemicals Detected at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**2310**
CA02-00-0168	02-01253	0.0–0.5	SED	—[c]	—	NA[d]	NA	—	—	—	—	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	0.0137 (J)	—	0.0158	0.0858	0.0911	0.18	0.0513	0.0997
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	—	—	0.0098 (J)	—	—	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	0.002 (J)	—	—	—	—	—
RE02-07-2841	02-600626	0.0–0.5	ALLH	0.118	—	0.0788	0.0872	0.682	0.559 (J)	1.09 (J)	0.16 (J)	0.617
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.0018 (J)	—	—	—	—	—
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	0.0029 (J)	0.0025 (J)	—	—	—	—	—
RE02-07-2844	02-600626	13.5–18.5	QBO	—	—	—	0.0049 (J)	—	—	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	0.00914 (J)	—	0.0084 (J)	0.0422	0.0674	0.0739	—	0.0687

Table F-2.19-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**24400**	**26500**	**23.4**	**389[e]**	**300[f]**	**300**	**20500**	**30900**	**252**
CA02-00-0168	02-01253	0.0–0.5	SED	0.11 (J)	—	—	NA	—	—	—	0.1 (J)	NA
RE02-07-884	02-600210	0.0–0.5	ALLH	0.193	—	0.049	NA	—	—	0.0871	0.167	NA
RE02-07-2837	02-600625	0.0–0.5	ALLH	0.0233 (J)	—	—	NA	—	—	0.0109 (J)	0.0227 (J)	NA
RE02-07-2838	02-600625	4.5–8.5	QAL	—	—	—	—	—	—	—	—	0.000475 (J)
RE02-07-2841	02-600626	0.0–0.5	ALLH	1.12	0.0513	0.153 (J)	NA	0.00892 (J)	0.0271 (J)	0.648	1.38	NA
RE02-07-2842	02-600626	4.5–8.0	QAL	—	—	—	0.0029	—	—	—	—	0.000516 (J)
RE02-07-2843	02-600626	8.0–13.5	QAL	—	—	—	—	—	—	—	—	—
RE02-07-2844	02-600626	13.5–18.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	0.05	—	0.0194 (J)	NA	—	—	0.0199 (J)	0.0621	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table F-2.19-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-008(c)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**1.65**	**0.054**	**1.31**	**na[c]**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**0.18**
SED Background/Fallout Value[b]				**0.9**	**0.068**	**1.04**	**0.093**	**0.2**
Industrial Screening Action Levels[d]				**23**	**210**	**1900**	**440000**	**87**
0402-95-0319	02-01154	0.0–1.0	ALLH	—[e]	0.12	—	0.11072	—
CA02-00-0167	02-01252	0.0–0.5	SED	—	0.275 (J-)	—	—	—
CA02-00-0168	02-01253	0.0–0.5	SED	—	0.808	—	—	—
RE02-07-884	02-600210	0.0–0.5	ALLH	—	0.556 (J-)	—	—	—
RE02-07-2837	02-600625	0.0–0.5	ALLH	—	0.161	—	—	—
RE02-07-2838	02-600625	4.5–8.5	QAL	0.485	0.0685 (J-)	0.388	—	—
RE02-07-2839	02-600625	16.5–21.0	QBO	—	—	—	—	0.236
RE02-07-2842	02-600626	4.5–8.0	QAL	0.321	0.0573	—	—	—
RE02-07-2845	02-600627	0.0–0.5	ALLH	—	0.15	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.
[b] Background/fallout values are from LANL 1998, 059730.
[c] na = Not available.
[d] All values from LANL (LANL 2005, 088493).
[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.20-1
Summary of Inorganic Chemicals above BV at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**0.5**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**13700**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
CA02-00-0293	02-01245	14.5–15.5	QBT3	—[e]	—	—	—	—	15 (J)	NA[f]	NA	—	—	—	—	—	NA	NA	0.36 (J)	—	—
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	—	—	—	17400	—	—	—	—	—	—	0.176	—	1.04	—	—	—	56.1
RE02-07-2787	02-600614	1.5–3.7	QAL	—	—	—	0.517 (U)	—	—	—	—	—	—	—	0.279	—	3.55	0.000961 (J)	—	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	0.528 (U)	—	75.5 (J)	0.083 (J)	—	—	53.2	—	—	—	1.34	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	0.559 (U)	—	—	0.0835 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2789	02-600614	15.0–19.2	QBO	8540	1.3 (J)	38.3	0.582 (U)	—	10.6 (J)	0.0648 (J)	—	5850	—	228	—	5.06	—	—	1.39 (J)	—	—
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	0.512	—	1.23	—	—	—	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.374	—	0.984 (J)	—	—	—	—
RE02-07-2794	02-600615	16.5–18.7	QBO	6140	1.3 (J)	47.4	0.557 (U)	—	29.1 (U)	0.179 (J-)	—	6490	—	567	—	6.33 (U)	1.34	—	1.67 (U)	6.17	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	—	—	0.586	—	—	—	—	—	—	—	1.75	—	1.48	—	1.85	—	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	—	—	0.533 (U)	—	—	0.156 (J)	—	—	—	—	—	—	1.04 (J)	—	1.6 (U)	—	—
RE02-07-2798	02-600616	11.5–13.7	QAL	—	—	—	0.53 (U)	—	—	—	—	—	—	—	—	—	—	—	1.59 (U)	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	0.495 (U)	—	—	NA	—	—	—	—	1.55	—	1.49	0.00104 (J)	—	—	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	0.483 (J)	—	—	NA	—	—	—	—	—	—	—	—	1.67 (U)	—	—
RE02-07-2803	02-600617	11.5–13.0	QAL	—	—	—	0.572 (U)	—	—	NA	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.595	—	1.53	0.00104 (J)	—	—	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	—	—	0.517 (U)	—	—	NA	—	—	—	—	0.26	—	1.12	—	—	—	—
RE02-07-2806	02-600618	11.5–14.1	QAL	—	—	—	0.55 (U)	—	—	NA	—	—	—	—	—	—	—	0.0033	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	—	—	0.773	—	—	—	—	—	—	—	0.386	—	—	0.000672 (J)	1.54 (U)	—	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	0.532 (U)	—	—	—	—	—	—	—	—	—	1.57	—	1.6 (U)	—	—
RE02-07-2809	02-600619	11.5–13.6	QAL	—	—	—	0.528 (U)	—	—	—	—	—	—	—	—	—	1.04 (J)	0.0017 (J)	1.58 (U)	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	0.49 (U)	—	—	NA	—	—	—	—	—	—	2.92	—	1.94	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	—	—	0.511 (U)	—	—	NA	—	—	—	—	—	—	1.78	0.00112 (J)	2.01	—	—
RE02-07-2812	02-600620	11.5–13.9	QAL	—	—	—	0.521 (U)	—	—	NA	—	—	—	—	—	—	—	—	1.55 (J)	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.613	—	—	0.0011 (J+)	—	—	—
RE02-07-2814	02-600621	1.5–3.7	QAL	—	—	—	0.512 (U)	—	—	NA	—	—	—	—	0.22 (J)	—	0.851 (J-)	—	2.09	—	—
RE02-07-2815	02-600621	11.5–13.4	QAL	—	—	—	0.544 (U)	—	—	NA	—	—	—	—	—	—	—	0.00142 (J+)	2.14	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	—	—	—	—	—	NA	—	—	—	—	0.192	—	—	0.000779 (J+)	1.56 (U)	—	—
RE02-07-2817	02-600622	1.5–2.0	QAL	—	—	—	0.495 (U)	—	—	NA	—	—	—	—	—	—	1.2	0.000642 (J+)	—	—	—

Table F-2.20-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cyanide (Total)	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**0.5**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**0.5**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 Background Value[a]				**7340**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**0.5**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**13700**	**100000**	**800**	**48400**	**340**[d]	**22700**	**100000**	**790**[d]	**5680**	**1140**	**100000**
RE02-07-2818	02-600622	11.5–15.0	QAL	—	—	—	0.521 (U)	—	—	NA	—	—	—	—	—	—	—	0.0016 (J+)	2.86	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	—	—	0.48 (J)	—	—	NA	0.502 (U)	—	—	—	0.128	—	—	0.000603 (J+)	1.54 (U)	—	—
RE02-07-2820	02-600623	1.5–3.8	QAL	—	—	—	—	—	—	NA	—	—	—	—	0.115 (J)	—	0.971 (J-)	0.000665 (J+)	2.14	—	—
RE02-07-2821	02-600623	11.5–13.9	QAL	—	—	—	0.518 (U)	—	22.2	NA	—	—	—	—	—	—	—	0.00279 (J+)	2.13	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	—	0.511 (U)	—	—	NA	—	—	—	—	—	—	1.98	0.0019 (J+)	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	0.547 (U)	—	—	NA	—	—	—	—	—	—	1.87	0.000663 (J)	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.20-2
Summary of Organic Chemicals Detected at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Chrysene	Di-n-butylphthalate
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**2310**	**68400**
RE02-07-2786	02-600614	0.0–0.5	ALLH	—[c]	0.0176 (J)	—	0.0291	0.0488	0.086	0.0878 (J)	0.164 (J)	0.0981 (J)	0.0555 (J)	0.111	—
RE02-07-2787	02-600614	1.5–3.7	QAL	—	—	—	—	0.0272 (J)	—	—	—	—	—	—	0.0385 (J)
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2789	02-600614	15.0–19.2	QBO	—	—	—	—	—	—	—	—	—	—	—	0.0545 (J)
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	—	—	0.0177 (J-)	0.0405 (J-)	—	0.0193 (J)	0.0223 (J)	—	—	0.0136 (J)	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	—	—	0.0314	0.0536	—	—	0.0335 (J)	—	0.011 (J)	0.0256 (J)	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	0.0185 (J)	—	0.0581 (J-)	0.118 (J-)	—	0.0676 (J)	0.102 (J)	0.0286 (J)	—	0.0685	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	—	—	0.0056	0.0076	—	—	—	—	—	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	—	0.057	—	0.0225 (J)	0.0236 (J)	—	—	0.0161 (J)	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	0.0734	0.0412	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	0.0156 (J-)	0.0195 (J)	—	0.0238 (J-)	0.0549 (J-)	—	0.0417 (J)	0.0604 (J)	—	—	0.0348 (J)	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	0.00877 (J)	—	—	0.0401	0.0331 (J)	—	—	—	—	0.0277 (J)	0.0421 (J)
RE02-07-2807	02-600619	0.0–0.5	ALLH	0.0805	0.239	—	0.0308 (J)	0.0745	0.588	0.562	0.764	0.312	—	0.615	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	—	0.0022 (J-)	—	—	—	—	—	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	—	—	0.0144 (J-)	0.0059 (J-)	—	0.0154 (J)	0.0236 (J)	—	—	0.0179 (J)	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	—	—	0.0301	0.077	—	—	—	—	—	0.0195 (J)	—
RE02-07-2814	02-600621	1.5–3.7	QAL	0.0165 (J)	0.0241 (J)	—	0.0232	0.0386	0.069	0.0963	0.137	0.0432	—	0.0887	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	—	—	0.0109 (J)	0.0207	—	—	0.0293 (J)	—	—	0.0213 (J)	—
RE02-07-2817	02-600622	1.5–2.0	QAL	—	—	—	0.0052	0.0071	—	—	—	—	—	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	—	—	0.0157 (J)	0.04	—	—	0.0311 (J)	—	—	0.0287 (J)	—
RE02-07-2820	02-600623	1.5–3.8	QAL	—	—	—	—	0.0205 (J)	0.012 (J)	—	0.0179 (J)	—	—	0.0116 (J)	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	0.0059	0.006	0.0042	—	—	—	—	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	0.0043	0.0035 (J)	—	—	—	—	—	—	—

Table F-2.20-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Styrene	Toluene	Xylene[1,3-]+Xylene[1,4-]
Industrial Soil Screening Levels[b]				**103**	**24400**	**26500**	**23.4**	**389**[d]	**300**[e]	**300**	**20500**	**30900**	**100**	**252**	**82**
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	0.211	—	0.119 (J)	NA[f]	—	—	0.0893	0.198	NA	NA	NA
RE02-07-2787	02-600614	1.5–3.7	QAL	—	0.0215 (J)	—	—	—	—	—	0.0152 (J)	0.0207 (J)	—	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2790	02-600614	13.0–15.5	QAL	—	—	—	—	—	—	—	—	—	—	—	0.000302 (J)
RE02-07-2789	02-600614	15.0–19.2	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2791	02-600615	0.0–0.5	ALLH	—	0.0209 (J)	—	—	NA	—	—	0.0168 (J)	0.0283 (J)	NA	NA	NA
RE02-07-2792	02-600615	1.5–3.5	QAL	—	0.0418	—	—	—	—	—	0.027 (J)	0.0372	0.00111	0.000533 (J)	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	0.129	—	0.019 (J)	NA	—	—	0.0898	0.134	NA	NA	NA
RE02-07-2797	02-600616	1.5–3.6	QAL	0.000595 (J)	—	—	—	—	—	—	—	—	—	0.000775 (J)	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	0.0248 (J)	—	—	NA	—	—	0.0181 (J)	0.0268 (J)	NA	NA	NA
RE02-07-2802	02-600617	1.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	0.0641	0.0129 (J)	—	NA	0.00756 (J)	0.0121 (J)	0.079	0.0803	NA	NA	NA
RE02-07-2805	02-600618	1.5–3.3	QAL	—	0.0556	—	—	—	—	—	0.0422	0.0545	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	1.4	0.0834	0.293	NA	—	0.0122 (J)	0.987	1.53	NA	NA	NA
RE02-07-2808	02-600619	1.5–5.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2810	02-600620	0.0–0.5	ALLH	—	—	—	—	NA	—	—	—	—	NA	NA	NA
RE02-07-2811	02-600620	1.5–2.5	QAL	—	0.0326 (J)	—	—	—	—	—	—	0.0268 (J)	—	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	0.0442	—	—	NA	—	—	0.021 (J)	0.0468	NA	NA	NA
RE02-07-2814	02-600621	1.5–3.7	QAL	—	0.158	0.0144 (J)	0.0366	—	—	—	0.114	0.156	—	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	0.0463	—	—	NA	—	—	0.026 (J)	0.0536	NA	NA	NA
RE02-07-2817	02-600622	1.5–2.0	QAL	0.000213 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	0.075	—	—	NA	—	—	0.0139 (J)	0.0804	NA	NA	NA
RE02-07-2820	02-600623	1.5–3.8	QAL	—	0.0223 (J)	—	—	—	—	—	—	0.0181 (J)	—	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	0.0141 (J)	—	—	NA	—	—	—	0.0143 (J)	NA	NA	NA
RE02-07-2823	02-600624	1.5–1.9	QAL	—	—	—	—	0.0034	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Isopropylbenzene used as a surrogate.

[e] Naphthalene used as a surrogate.

[f] NA = Not analyzed.

Table F-2.20-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-009(d)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**1500**	**87**
CA02-00-0290	02-01245	4.0–5.0	ALLH	0.0805	7.15	—[e]	1.19	4.31	0.0268723	—	—
CA02-00-0291	02-01245	5.0–8.0	ALLH	—	5.45	—	0.136	4.49	0.0454945	—	—
CA02-00-0292	02-01245	10.0–11.5	ALLH	—	4.43	—	0.0882 (J-)	7.48	0.0407727	5.68	0.244 (J-)
CA02-00-0293	02-01245	14.5–15.5	QBT3	—	0.394	—	0.0432	0.486	0.0265055	3.53	0.125 (J-)
RE02-07-2786	02-600614	0.0–0.5	ALLH	—	—	0.162	—	—	0.0328342	—	—
RE02-07-2787	02-600614	1.5–3.7	QAL	—	1.14	—	—	0.61	0.108673	—	—
RE02-07-2788	02-600614	11.5–13.5	QAL	—	0.638	—	—	0.223	0.0491271	—	—
RE02-07-2792	02-600615	1.5–3.5	QAL	—	3.98	—	0.0925 (J-)	1.65	—	—	—
RE02-07-2794	02-600615	16.5–18.7	QBO	—	1.68	—	—	—	—	—	—
RE02-07-2796	02-600616	0.0–0.5	ALLH	—	1.74	—	—	—	0.0421242	—	—
RE02-07-2797	02-600616	1.5–3.6	QAL	—	6.61	—	0.0947	2.18	0.0520993	—	—
RE02-07-2798	02-600616	11.5–13.7	QAL	—	—	—	—	0.818	0.0191283	—	—
RE02-07-2801	02-600617	0.0–0.5	ALLH	—	—	—	—	—	0.0284811	—	—
RE02-07-2802	02-600617	1.5–5.0	QAL	—	1.21	—	—	0.493	—	—	—
RE02-07-2804	02-600618	0.0–0.5	ALLH	—	2.29	—	0.0583	—	—	—	—
RE02-07-2805	02-600618	1.5–3.3	QAL	—	1.53	—	—	—	—	—	—
RE02-07-2807	02-600619	0.0–0.5	ALLH	—	3.98	—	0.0909	—	—	—	—
RE02-07-2808	02-600619	1.5–5.0	QAL	—	0.941	—	—	0.358	—	—	—
RE02-07-2809	02-600619	11.5–13.6	QAL	—	—	—	—	—	0.136267	—	—
RE02-07-2811	02-600620	1.5–2.5	QAL	—	3.8	—	0.0454	0.36	—	—	—
RE02-07-2812	02-600620	11.5–13.9	QAL	—	—	—	—	—	0.0760542	—	—
RE02-07-2813	02-600621	0.0–0.5	ALLH	—	2.87	—	—	—	—	—	—
RE02-07-2814	02-600621	1.5–3.7	QAL	—	7.74	—	—	1.3	—	—	—
RE02-07-2815	02-600621	11.5–13.4	QAL	—	—	—	—	—	0.0675835	—	—
RE02-07-2816	02-600622	0.0–0.5	ALLH	—	7.69	—	—	5.86	—	12.8	0.901
RE02-07-2817	02-600622	1.5–2.0	QAL	—	3.57	—	—	2.25	—	3.69	0.247
RE02-07-2818	02-600622	11.5–15.0	QAL	—	0.624	—	—	—	0.0778023	—	—
RE02-07-2819	02-600623	0.0–0.5	ALLH	—	5.62	—	—	3.67	—	—	—

Table F-2.20-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**na[c]**	**0.054**	**1.31**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
Industrial Screening Action Levels[d]				**180**	**23**	**5.1**	**210**	**1900**	**440000**	**1500**	**87**
RE02-07-2820	02-600623	1.5–3.8	QAL	—	14	—	—	29.3	0.00630382	—	—
RE02-07-2821	02-600623	11.5–13.9	QAL	—	—	—	—	0.433	0.0669414	—	—
RE02-07-2822	02-600624	0.0–0.5	ALLH	—	—	—	0.102 (J-)	—	—	—	—
RE02-07-2823	02-600624	1.5–1.9	QAL	—	0.196	—	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.22-1
Summary of Inorganic Chemicals above BV at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**45400**	**13700**
CA02-00-0304	02-01246	37.5–39.0	QBT3	18000 (J-)	—[e]	—	180	—	—	—	NA[f]	—	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	0.543 (U)	—	—	0.0652 (J)	—	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	0.547 (U)	—	—	0.111	—	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.15	—	NA
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	—	—	—	—	0.0895 (J)	—	NA
RE02-03-51903	02-22390	4.5–5.0	ALLH	—	—	—	—	0.541 (U)	—	—	—	—	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	—	—	—	0.588	21680	—	0.26	—	NA
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	—	—	—	—	—	—	—	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	0.51 (U)	8040	—	NA	—	—
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	0.532 (U)	—	—	NA	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	11600	—	2.18	93.3	0.629 (U)	—	8	NA	4.3 (U)	—
RE02-07-6829	02-600628	19.5–22.0	QBO	25800 (J)	0.593 (U)	1.38 (J)	254 (J+)	0.764 (U)	—	8.05	NA	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	—	—	370	0.551	—	—	NA	22.2	—
RE02-07-2862	02-600629	4.5–6.2	QAL	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-2865	02-600629	9.5–12.0	QAL	—	—	—	—	0.564 (U)	—	—	NA	—	—
RE02-07-2864	02-600629	14.5–19.5	QBO	10100	—	1.08 (J)	71	0.591 (U)	—	14	NA	4.18	—
RE02-07-6830	02-600629	19.5–22.0	QBO	6610	0.556 (UJ)	2.04 (U)	34.3	0.682 (U)	—	21.8	NA	—	0.847
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	—	—	447	5.6	—	—	NA	—	—
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	—	—	0.556 (U)	—	—	NA	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2875	02-600631	13.5–18.5	QBO	11600	—	1.7 (U)	52	0.566 (U)	—	17.5	NA	4.21	—
RE02-07-6831	02-600631	24.0–26.5	QBO	5320	0.524 (UJ)	2.03 (U)	—	0.677 (U)	—	17.7	NA	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	6.17
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	0.526 (U)	—	—	NA	—	—
RE02-07-2879	02-600632	16.0–20.0	QBO	8680	—	0.627 (J)	—	—	—	58.7	NA	—	—
RE02-07-2880	02-600632	26.0–29.0	QBO	6050	—	1.83 (U)	—	—	—	3.86	NA	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	—	—	NA	—	—

Table F-2.22-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**3.96**	**0.5**
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**na**	**4.66**	**0.5**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**45400**	**13700**
RE02-07-2885	02-600633	10.5–13.2	QAL	—	—	—	—	0.537 (U)	—	22.4	NA	—	—
RE02-07-2884	02-600633	15.0–17.9	QBO	10700	—	2.03	62.5	0.563 (U)	—	15.5	NA	—	—
RE02-07-2883	02-600633	19.5–24.5	QBO	9830	—	0.837 (J)	—	0.63 (U)	—	6.41	NA	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	—	—	—	0.473 (J)	—	—	NA	—	—
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2889	02-600634	14.0–19.0	QBO	12800	—	1.14 (J)	60	—	—	54.4	NA	10.5	—
RE02-07-6832	02-600634	19.5–22.0	QBO	6200 (J+)	0.515 (U)	1.89 (U)	—	0.629 (U)	—	4.79 (J+)	NA	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	—	—	—	0.578	—	—	NA	—	14.4
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	0.548 (U)	—	—	NA	—	—
RE02-07-2894	02-600635	14.0–20.0	QBO	3660	—	2.08	—	0.632 (U)	—	7.41	NA	—	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	—	—	—	0.46 (J)	—	—	NA	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-2899	02-600636	15.0–19.5	QBO	11200 (J+)	—	1.76 (U)	35.9	0.586 (U)	—	7.49	NA	—	—
RE02-07-6833	02-600636	19.5–24.0	QBO	7470 (J+)	—	1.91 (U)	—	0.637 (U)	—	6.39 (J+)	NA	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	—	—	NA	—	—
RE02-07-2905	02-600637	13.0–18.0	QAL	—	—	—	—	—	—	29.5	NA	—	—
RE02-07-2904	02-600637	18.3–21.0	QBO	16300	—	1.53 (J)	134	—	—	7.73	NA	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	—	—	—	—	0.435 (J)	—	—	NA	—	—
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	0.537 (U)	—	—	NA	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	0.572 (U)	—	—	NA	—	—
RE02-07-2909	02-600638	18.0–20.0	QBO	7880	0.507 (UJ)	1.21 (U)	—	0.639 (U)	—	13.1	NA	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	4150	0.526 (UJ)	1.99 (U)	—	0.662 (U)	—	3.13	NA	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	—	—	413	1.01	—	—	NA	32.6	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	—	—	0.462 (J)	—	—	NA	20.5 (U)	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	0.547 (U)	—	—	NA	—	—
RE02-07-2914	02-600639	14.1–17.5	QBO	12800	—	0.727 (J)	39.1	0.645 (U)	—	5.59	NA	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	5930	—	1.81 (U)	—	0.605 (U)	—	26.4	NA	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	—	—	—	0.516 (U)	—	—	NA	—	—

Table F-2.22-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 Background Value[a]				**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial Soil Screening Levels[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	—	—	—	—	NA	—	0.34 (UJ)	—	—
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	0.157	—	NA	0.117	—	—	—
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51903	02-22390	4.5–5.0	ALLH	—	—	—	—	—	NA	—	—	—	—
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	134	—	0.218	—	NA	0.0244 (J)	—	—	152
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	60.1	—	0.116	—	NA	0.0547	—	—	55.5
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	—	1.06	—	1.53 (U)	—	—
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	—	—	—	1.6 (U)	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	10300	—	493	—	3.64	—	—	1.89 (U)	9.19	—
RE02-07-6829	02-600628	19.5–22.0	QBO	9120	—	327	—	3.9	—	—	1.77 (J)	4.97	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	—	—	—	—	1	—	8.72	—	53.9
RE02-07-2862	02-600629	4.5–6.2	QAL	—	—	—	—	—	1.4	—	7.46	—	—
RE02-07-2865	02-600629	9.5–12.0	QAL	—	—	—	—	—	—	—	6.83	—	—
RE02-07-2864	02-600629	14.5–19.5	QBO	6680	—	200 (J-)	—	3.37	—	—	9.31	7.57	—
RE02-07-6830	02-600629	19.5–22.0	QBO	6540	—	234	—	2.1	—	—	6.65	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	30.2	—	0.246	—	1.33	—	—	—	51.9
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	—	—	1.55 (U)	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	—	—	—	—	—	1.67 (U)	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	—	0.512	—	—	—	—	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	—	—	—	1.92 (J-)	—	—	—	—
RE02-07-2875	02-600631	13.5–18.5	QBO	6500	—	280 (J+)	—	3.11	—	—	0.618 (J)	5.03	—
RE02-07-6831	02-600631	24.0–26.5	QBO	5330	—	213	—	2.53	—	—	5.56	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	—	—	0.132	—	—	—	—	—	—
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	1.23	—	—	—	—
RE02-07-2879	02-600632	16.0–20.0	QBO	6190	—	249 (J+)	—	3.02	—	—	0.689 (J)	4.87	—
RE02-07-2880	02-600632	26.0–29.0	QBO	6230	—	264 (J+)	—	—	—	—	0.915 (J)	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	22.8	—	0.176	—	9.77	—	—	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	3.23 (J-)	0.0046	—	—	—
RE02-07-2885	02-600633	10.5–13.2	QAL	—	—	—	—	—	4.1 (J-)	—	—	—	—
RE02-07-2884	02-600633	15.0–17.9	QBO	6860	—	361	—	7.96	—	—	0.614 (J)	5.38	—
RE02-07-2883	02-600633	19.5–24.5	QBO	5920	—	220	—	3.7	—	—	1.89 (U)	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	—	—	0.556	—	—	—	1.66 (U)	—	63

Table F-2.22-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
QBT3 Background Value[a]				**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**na**	**0.3**	**17**	**63.5**
Industrial Soil Screening Levels[c]				**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**1140**	**100000**
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	1.13	—	1.57 (U)	—	—
RE02-07-2889	02-600634	14.0–19.0	QBO	7700	—	336	—	6.65	—	—	1.79 (U)	5.97	—
RE02-07-6832	02-600634	19.5–22.0	QBO	5360	—	218	—	2.27	1.36 (J-)	—	7.32	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	—	—	0.429	—	1.65 (J-)	—	—	—	—
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	—	—	0.00169 (J)	—	—	—
RE02-07-2894	02-600635	14.0–20.0	QBO	8740	—	367	—	3.16	9.7	—	1.9 (U)	8.52 (J)	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	—	—	0.141	—	4.91 (J-)	—	—	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	2.19 (J-)	—	1.64 (U)	—	—
RE02-07-2899	02-600636	15.0–19.5	QBO	7190 (J)	—	226 (J)	—	—	1.12 (J-)	0.000839 (J)	1.76 (U)	—	—
RE02-07-6833	02-600636	19.5–24.0	QBO	5700	—	206	—	2.08	—	—	7.93	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	—	—	—	—	2.36 (J-)	—	1.65	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	1.38 (J+)	—	1.57 (U)	—	—
RE02-07-2905	02-600637	13.0–18.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2904	02-600637	18.3–21.0	QBO	6000	—	240	—	2.35	—	—	1.61 (U)	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	—	—	—	0.341	—	1.28	—	—	—	62.3
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	1.38	—	1.61 (U)	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2909	02-600638	18.0–20.0	QBO	6490	—	—	—	—	—	—	0.745 (J)	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	5310 (J+)	—	229	—	—	—	—	6.24	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	—	—	—	—	0.849 (J)	—	2.18	—	52.4
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	—	—	—	—	—	1.71	—	50.3
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—
RE02-07-2914	02-600639	14.1–17.5	QBO	6150	—	190	—	—	1.03 (J-)	—	1.93 (U)	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	6470	—	—	—	15.1	0.886 (J-)	—	1.81 (U)	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	—	—	—	—	1.66	—	—	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	22.9	—	0.201	—	1.66	—	—	—	61.4

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.22-2
Summary of Organic Chemicals Detected at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**
CA02-00-0301	02-01246	7.5–9.5	ALLH	—[c]	NA[d]	—	NA	NA	NA	—	—	—	—	—	0.33 (J)	NA
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	NA	—	NA	NA	NA	—	—	—	—	—	0.12 (J)	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0534 (J)	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0558 (J)	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	0.0161 (J)	NA	0.0248 (J)	NA	NA	NA	—	—	—	0.118	—	0.0429 (J)	NA
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	0.0353 (J)	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	NA	—	NA	NA	NA	—	—	—	—	—	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	NA	—	—	0.1	0.291	—	—	—	—	—	—	NA
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	0.0049	0.0107	—	—	—	—	—	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—	—
RE02-07-6829	02-600628	19.5–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	0.0242 (J)	NA	0.0304 (J)	—	—	—	0.064	0.109	0.0851	0.0411	0.0311 (J)	—	NA
RE02-07-6830	02-600629	19.5–22.0	QBO	—	0.0039 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	NA	0.0387	—	—	0.0503	0.13	0.146	0.182	0.0601	0.0774	—	NA
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	0.0013 (J)	—	—	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	NA	—	—	—	0.0137 (J)	—	—	0.0698	—	—	—	NA
RE02-07-2872	02-600631	4.5–8.5	QAL	—	—	0.0158 (J)	—	—	—	0.0318 (J)	0.0234 (J)	0.0419	—	—	—	0.000219 (J)
RE02-07-6831	02-600631	24.0–26.5	QBO	—	0.00815 (J)	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	—	NA	0.00735 (J)	—	—	0.0206 (J)	—	—	0.0328 (J)	—	—	—	NA
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	0.0051	—	—	—	—	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	0.0374	NA	0.0565	—	—	0.0284 (J)	0.141	0.2 (J)	0.3 (J)	0.105 (J)	—	—	NA
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	—	—	0.0037	—	0.0201 (J)	0.0205 (J)	—	—	—	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	—	NA	0.0158 (J)	—	—	0.0924	0.057	0.0673	0.0729	0.0364 (J)	0.0514	—	NA
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	0.0045	—	—	—	—	—	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	—	NA	—	—	—	0.0415	0.025 (J)	0.105	0.0507	0.0504 (J)	—	—	NA
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	NA	—	—	—	0.0285 (J)	0.0189 (J)	—	—	—	—	—	NA
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	NA	—	—	0.0191 (J-)	0.0133 (J-)	—	—	—	—	—	—	NA
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	0.0066	0.0051	—	—	—	—	—	—	—	—

Table F-2.22-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Acetone	Anthracene	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform
Industrial Soil Screening Levels[b]				**33500**	**100000**	**100000**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**
RE02-07-2904	02-600637	18.3–21.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	0.0188 (J)	NA	0.0284 (J)	—	—	0.0567	0.0877	0.158	0.14	0.0562 (J)	—	—	NA
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	0.0027 (J)	—	—	—	—	—	—	—
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	—	0.0221 (J)	—	—	—	0.14	0.0961	—	0.0482	0.0621	—	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	0.0015 (J)	—	—	—	—	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	0.0121 (J)	NA	0.0185 (J)	—	0.0789	0.0981	0.0567	0.0607 (J)	0.0986 (J)	0.0575 (J)	—	—	NA
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	NA	0.02 (J)	—	0.199	0.329	0.105	0.116	0.206	0.0591	—	—	NA

Table F-2.22-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**2310**	**68400**	**24400**	**26500**	**23.4**	**389**	**389**[e]	**490**	**300**[f]	**300**	**20500**	**30900**	**252**
CA02-00-0301	02-01246	7.5–9.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
CA02-00-0304	02-01246	37.5–39.0	QBT3	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51900	02-22389	0.0–0.5	ALLH	0.0723	—	0.115	0.0139 (J)	—	NA	NA	NA	—	—	0.0976	0.0944	NA
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	—	NA
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	—	0.0472	0.0045 (J)	—	NA	NA	NA	—	—	0.0289 (J)	—	NA
RE02-07-2856	02-600628	0.0–0.5	ALLH	—	—	—	—	—	NA	NA	NA	—	—	—	0.0153 (J)	NA
RE02-07-2857	02-600628	4.5–7.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2859	02-600628	13.0–18.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6829	02-600628	19.5–22.0	QBO	—	—	—	—	—	—	—	0.00406 (J)	—	—	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	0.0657	—	0.124	0.0188 (J)	0.16	NA	NA	NA	0.0121 (J)	0.0183 (J)	0.125	0.116	NA
RE02-07-6830	02-600629	19.5–22.0	QBO	—	—	—	—	—	—	0.000499 (J)	0.00341 (J)	—	—	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	0.14	—	0.257	0.0221 (J)	—	NA	NA	NA	0.00715 (J)	—	0.0116 (J)	0.231	NA
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	0.0434	—	0.0602	—	—	NA	NA	NA	—	—	0.0252 (J)	0.066	NA
RE02-07-2872	02-600631	4.5–8.5	QAL	0.0233 (J)	—	0.0721	—	—	—	—	—	—	—	0.0662	0.0573	—
RE02-07-6831	02-600631	24.0–26.5	QBO	—	—	—	—	—	—	—	0.00329 (J)	—	—	—	—	—
RE02-07-2876	02-600632	0.0–0.5	ALLH	0.0213 (J)	0.983	0.0443	—	—	NA	NA	NA	—	—	—	0.0375	NA
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	0.166	—	0.24	0.0293 (J)	0.165 (J)	NA	NA	NA	0.00992 (J)	0.022 (J)	0.222	0.315	NA
RE02-07-2882	02-600633	4.5–6.8	QAL	0.0136 (J)	—	0.0174 (J)	—	—	—	—	—	—	—	0.0154 (J)	0.0236 (J)	—
RE02-07-2886	02-600634	0.0–0.5	ALLH	0.0691	—	0.11	—	0.0306 (J)	NA	NA	NA	—	—	0.0662	0.113	NA
RE02-07-2887	02-600634	4.5–9.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2891	02-600635	0.0–0.5	ALLH	0.0248 (J)	—	0.0303 (J)	—	0.064	NA	NA	NA	—	—	0.0179 (J)	0.0352	NA
RE02-07-2896	02-600636	0.0–0.5	ALLH	0.0141 (J)	—	0.0312 (J)	—	—	NA	NA	NA	—	—	—	0.0245 (J)	NA
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.000417 (J)
RE02-07-2901	02-600637	0.0–0.5	ALLH	0.0192 (J)	—	0.0284 (J)	—	—	NA	NA	NA	—	—	—	0.023 (J)	NA
RE02-07-2902	02-600637	4.5–7.5	QAL	—	—	—	—	—	—	—	0.00213 (J)	—	—	—	—	0.000372 (J)
RE02-07-2904	02-600637	18.3–21.0	QBO	—	—	—	—	—	0.000763 (J)	—	0.00415 (J)	—	—	—	—	—
RE02-07-2906	02-600638	0.0–0.5	ALLH	0.0797	—	0.126	0.0145 (J)	0.0951	NA	NA	NA	0.00701 (J)	0.0169 (J)	0.105	0.167	NA
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.00042 (J)
RE02-07-2910	02-600638	9.5–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.22-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Di-n-butylphthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[b]				**2310**	**68400**	**24400**	**26500**	**23.4**	**389**	**389**[e]	**490**	**300**[f]	**300**	**20500**	**30900**	**252**
RE02-07-2912	02-600639	4.5–6.4	QAL	0.154	—	0.397	—	0.0498	—	—	—	—	—	0.0945	0.238	0.000593 (J)
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	0.0767	—	0.117	—	0.0344 (J)	NA	NA	NA	—	—	0.099	0.14	NA
RE02-07-2921	02-600641	0.0–0.5	ALLH	0.121	0.0381 (J)	0.198	—	0.0452	NA	NA	NA	—	—	0.105	0.222	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Isopropylbenzene used as a surrogate.

[f] Naphthalene used as a surrogate.

Table F-2.22-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-010

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial Screening Action Levels[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**87**	**430**
CA02-00-0300	02-01246	0.0–1.0	ALLH	—[e]	11.3	0.223	7.22	—	—	—	—
CA02-00-0301	02-01246	7.5–9.5	ALLH	0.0686	0.123	—	3.25	0.131538	—	—	—
CA02-00-0302	02-01246	17.5–18.5	ALLH	—	—	—	—	0.036087	—	—	—
CA02-00-0303	02-01246	34.5–36.5	ALLH	—	—	—	—	0.0470455	—	—	—
CA02-00-0304	02-01246	37.5–39.0	QBT3	0.16	—	—	—	—	2.62	0.0953	2.62
RE02-03-51822	02-22350	0.0–0.5	ALLH	—	—	—	—	0.136	—	—	—
RE02-03-51823	02-22350	1.5–2.0	ALLH	—	—	—	—	0.0545	—	—	—
RE02-03-51900	02-22389	0.0–0.5	ALLH	—	—	—	—	0.0638	—	—	—
RE02-03-51901	02-22389	1.5–2.0	ALLH	—	0.159	—	0.887	—	—	—	—
RE02-03-51902	02-22390	3.0–3.5	ALLH	—	—	—	0.211	—	—	—	—
RE02-03-51904	02-22391	0.0–0.5	ALLH	—	17.2	0.0961	2.36	0.0996	—	—	—
RE02-03-51905	02-22391	1.5–2.0	ALLH	—	3.6	0.0809	0.391	0.0988	—	—	—
RE02-07-2861	02-600629	0.0–2.5	ALLH	—	0.717	1.43 (J-)	—	—	—	—	—
RE02-07-2862	02-600629	4.5–6.2	QAL	—	0.999	0.867	0.43	0.0206989	—	—	—
RE02-07-2866	02-600630	0.0–0.5	ALLH	—	—	1.01 (J-)	—	—	—	—	—
RE02-07-2867	02-600630	4.5–7.0	QAL	—	—	—	0.218	—	—	—	—
RE02-07-2870	02-600630	13.0–18.0	QAL	—	—	0.0308	—	—	—	—	—
RE02-07-2871	02-600631	0.0–0.5	ALLH	—	—	0.659	—	—	—	—	—
RE02-07-2872	02-600631	4.5–8.5	QAL	—	0.167	0.299	—	0.0315949	—	—	—
RE02-07-2877	02-600632	4.5–9.0	QAL	—	—	—	—	0.0343344	—	—	—
RE02-07-2880	02-600632	26.0–29.0	QBO	—	—	—	—	0.17875	—	—	—
RE02-07-2881	02-600633	0.0–0.5	ALLH	—	1.77	—	1.99	—	—	—	—
RE02-07-2882	02-600633	4.5–6.8	QAL	—	—	—	0.752	0.0542605	—	—	—
RE02-07-2887	02-600634	4.5–9.0	QAL	—	0.163	—	—	0.0356757	—	—	—
RE02-07-6832	02-600634	19.5–22.0	QBO	—	0.125	—	—	0.167571	—	—	—
RE02-07-2892	02-600635	4.5–9.0	QAL	—	—	—	—	0.0679813	—	—	—
RE02-07-2896	02-600636	0.0–0.5	ALLH	—	25.5	0.389 (J-)	6.33	—	—	—	—
RE02-07-2897	02-600636	4.5–9.5	QAL	—	—	—	0.306	0.0500562	3.26	0.208	2.48

Table F-2.22-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial Screening Action Levels[d]				**180**	**23**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE02-07-6833	02-600636	19.5–24.0	QBO	—	—	—	—	0.0716883	—	0.355	—
RE02-07-2901	02-600637	0.0–0.5	ALLH	—	1.7	0.0852 (J-)	—	—	—	—	—
RE02-07-2902	02-600637	4.5–7.5	QAL	—	0.528	0.0438	—	0.0184587	—	—	—
RE02-07-2907	02-600638	4.5–9.5	QAL	—	—	—	—	0.0308785	—	—	—
RE02-07-2908	02-600638	29.0–32.0	QBO	—	—	—	—	0.261667	—	—	—
RE02-07-2911	02-600639	0.75–2.9	ALLH	—	0.886	1.39	—	—	—	—	—
RE02-07-2912	02-600639	4.5–6.4	QAL	—	1.88	2.93	—	—	—	—	—
RE02-07-2915	02-600639	9.5–11.9	QAL	—	—	0.0785	—	—	—	—	—
RE02-07-2913	02-600639	19.5–20.7	QBO	—	—	—	—	0.0564813	—	—	—
RE02-07-2916	02-600640	0.0–0.5	ALLH	—	58.3	0.225	—	—	—	—	—
RE02-07-2921	02-600641	0.0–0.5	ALLH	—	—	0.791	—	—	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.23-1
Summary of Inorganic Chemicals above BV at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**8.64**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**20500**	**45400**	**13700**	**100000**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	NA[f]	—	—	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	0.511 (U)	—	23.1	NA	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	0.49 (U)	—	—	NA	—	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1573	02-600387	2.0–2.6	QAL	—	—	—	—	0.497 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	—	0.552 (U)	—	—	NA	—	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	0.517 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	—	—	—	—	0.521 (U)	—	—	NA	—	—	15.9	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	0.544 (U)	—	19.9	NA	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	11000	—	1.82 (U)	30.5	0.605 (U)	—	4.01	NA	—	—	—	6260
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	0.543 (U)	—	—	NA	—	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	6430	—	1.1 (J)	52.5	0.56 (U)	—	12.7	NA	—	—	—	7450
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	—	—	0.508 (U)	—	—	NA	—	—	—	—
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	0.533 (U)	—	—	NA	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	0.61 (U)	—	21.3 (J)	NA	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	11300	0.513 (UJ)	1.88 (U)	74.3	0.627 (U)	—	8.08 (J)	NA	—	—	—	6830
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	0.535 (U)	—	—	NA	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	0.83 (J)	—	0.556 (U)	—	19.9	NA	—	4.13	—	6050
RE02-07-1888	02-600451	17.0–22.0	QBO	5840	—	1.85 (U)	—	—	—	13.4	NA	—	—	—	5550 (J)

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na**[b]	**8.64**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000**[d]	**3400**	**20500**	**45400**	**13700**	**100000**
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	—	—	—	—	NA	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.524 (U)	—	—	NA	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.546 (U)	—	—	NA	—	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	—	—	0.511 (U)	—	—	NA	—	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	0.536 (U)	—	—	NA	—	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	0.555 (U)	—	27 (U)	NA	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	7260	0.515 (UJ)	0.765 (J)	—	0.654 (U)	—	18.9 (U)	NA	—	4.53 (U)	—	7190
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	—	0.526 (U)	—	—	NA	—	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	0.527 (U)	—	—	NA	—	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	11500	—	2.36	97.1	0.582 (U)	—	15.3	NA	—	4.17	—	6400
AOC 02-011(a)(viii)															
CA02-00-0192	02-01152	0.0–0.5	SED	—	—	—	—	0.63 (J+)	—	13	NA	—	17	NA	—
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	—	—	0.463 (J)	—	—	—	—	—	NA	—
RE02-03-51825	02-22351	5.5–6.0	ALLH	—	—	—	—	—	—	—	0.209 (J-)	—	—	NA	—
RE02-03-51826	02-22352	3.0–3.5	ALLH	—	—	—	—	—	—	—	0.676 (J-)	—	15.1 (J)	NA	—
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	—	—	—	—	0.206 (J-)	—	—	NA	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	—	—	—	—	0.061 (J)	—	—	NA	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	—	0.513 (U)	—	—	—	—	—	NA	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	—	—	22930	—	0.132	—	—	NA	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	0.531 (U)	—	—	—	—	—	NA	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	—	0.555 (U)	8700	—	—	—	—	NA	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	—	0.529 (U)	—	—	0.122	—	—	NA	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	0.547 (U)	—	19.6	—	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	0.523 (U)	—	33.4	0.25	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	22000	0.501 (U)	1.41 (J)	221 (J-)	0.632 (U)	—	2.93	2.12	—	—	—	7460
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	—	—	0.54 (U)	—	—	—	—	—	—	—
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	—	0.568 (U)	—	—	0.206 (J-)	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	7990 (J+)	0.512 (UJ)	1.27 (J)	47 (J)	0.664 (U)	—	21.3	0.0331 (J)	—	—	—	5180
AOC 02-011(a)(ix)															
CA02-00-0320	02-01150	0.0–0.5	SED	—	—	—	—	—	—	—	NA	—	—	NA	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	—	—	—	15.9	NA	—	—	NA	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	0.509 (U)	—	—	—	—	—	NA	—
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	—	7290	—	—	—	—	NA	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	—	—	—	—	—	—	—	1.14 (J-)	—	—	NA	—
RE02-03-51857	02-22367	5.0–5.5	ALLH	—	—	—	—	—	—	—	0.726 (J-)	—	—	NA	—
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	0.547 (U)	—	30.9	—	—	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	4910 (J+)	—	1 (J)	—	0.612 (U)	—	30	—	—	—	—	7020
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.131 (J)	—	—	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	0.537 (U)	—	—	—	—	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	10600	—	1.17 (J)	43.6 (J+)	0.601 (U)	—	27.4	0.253	—	—	—	5580 (J+)
RE02-07-6823	02-600432	24.5–29.0	QBO	3770	0.509 (UJ)	1.9 (U)	—	0.634 (U)	—	12.3	—	—	—	—	5630
RE02-07-1773	02-600433	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1775	02-600433	14.0–19.0	QBO	8390	—	1.86	50.6 (J+)	0.597 (U)	—	23	0.147 (J)	—	—	—	7400 (J+)
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.349 (J)	—	—	—	—
RE02-07-1781	02-600434	7.5–16.0	QAL	—	—	—	—	0.55 (U)	—	—	—	—	—	—	—
RE02-07-1780	02-600434	16.0–19.0	QBO	11400	—	3.43	212 (J+)	0.587 (U)	2430	34.5	0.227 (J-)	—	11.8	—	12400 (J+)
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.241 (J)	—	—	0.579	—
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	0.547 (U)	—	—	0.495 (J-)	—	—	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	13000	—	1.56 (J)	34.6 (J+)	0.635 (U)	—	10.4 (U)	—	—	—	—	6070 (J+)
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.176 (J)	—	—	—	—
RE02-07-1789	02-600436	7.5–13.5	QAL	—	—	—	—	0.521 (U)	—	—	—	—	—	—	—
RE02-07-1790	02-600436	13.5–18.5	QBO	8460	—	1.93	36.1	0.588 (U)	—	27.2	—	—	—	—	6170
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	0.529 (U)	—	—	—	—	—	—	—
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	—	—	—	0.441 (J)	31200	—	—	—	—	—	—
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	0.544 (U)	—	—	—	—	—	—	—
RE02-07-1800	02-600438	14.0–16.2	QBO	10000	—	1.07 (J)	74.2	0.577 (U)	—	10.1 (J)	—	—	—	—	5750
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	0.532 (U)	—	—	0.112	—	—	—	—
RE02-07-1805	02-600439	14.0–18.5	QBO	10500	—	1.65 (J)	97.3	0.59 (U)	—	8.59 (U)	0.0657 (J)	—	—	—	8500
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	0.536 (J)	—	—	—	—	—	—	—
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	0.563 (U)	—	—	—	—	—	—	—
RE02-07-1810	02-600440	14.0–19.0	QBO	11200	—	1.12 (J)	—	0.642 (U)	—	15.5	—	—	4.42	—	6200 (J+)
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	—	—	—	0.543 (U)	—	—	—	—	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	—	0.521 (U)	—	20.2	—	—	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	0.554 (U)	—	27.2 (U)	0.0646 (J)	—	16.7 (U)	—	—
RE02-07-1815	02-600441	15.0–22.0	QBO	9510	0.511 (UJ)	0.983 (J)	—	0.648 (U)	—	20.2 (U)	0.0538 (J)	—	5.83 (U)	—	5650
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	—	0.549 (U)	—	—	—	—	—	—	—
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	0.567 (U)	—	36.2 (J)	—	—	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	8040 (J+)	—	0.922 (U)	27.1	0.593 (U)	—	40.9 (J)	—	—	4.47 (U)	—	7950
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1823	02-600443	2.0–4.0	QAL	—	—	—	—	—	—	27.7 (U)	—	—	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	0.508 (U)	—	45.1	—	—	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	1.66 (J)	—	0.586 (U)	—	25.1 (U)	—	—	5.1 (U)	—	7180
RE02-07-1825	02-600443	15.0–17.5	QBO	8680 (J+)	—	1.2 (J)	53.5 (J+)	0.595 (U)	—	12.7 (U)	—	—	—	—	7510
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	0.5 (U)	—	—	—	—	—	—	—
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	0.517 (U)	—	—	0.0575 (J)	—	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	6380	—	1.63 (J)	—	0.603 (U)	—	29.5	0.117 (J)	—	—	—	6970
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	—	8740	—	—	—	—	—	—
RE02-07-1834	02-600445	7.5–10.5	QAL	—	—	—	—	0.537 (U)	—	—	0.0784 (J)	—	—	—	—
RE02-07-1835	02-600445	13.0–18.5	QBO	9550	—	1.32 (J)	—	0.61 (U)	—	10.3	—	—	—	—	6240
RE02-07-1836	02-600445	26.0–28.5	QBO	4930	0.516 (UJ)	0.801 (J)	—	0.643 (U)	—	15.2	0.111 (J)	—	—	—	6960
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	0.512 (U)	—	—	—	—	—	—	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	0.551 (U)	—	—	—	—	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	7930	—	1.24 (J)	49.5	0.516 (U)	—	10.9	0.148	—	—	—	6640
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	—	—	—	0.501 (U)	—	—	—	—	—	—	—
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1845	02-600447	14.5–18.5	QBO	13800	—	1.84 (U)	53.1	0.612 (U)	—	8.54	0.0495 (J)	—	—	—	6480
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	0.524 (U)	—	—	—	—	—	—	—
AOC 02-011(a)(x)															
CA02-00-0193	02-01153	0.0–0.5	SED	—	—	—	—	—	—	10.9	NA	—	—	NA	—
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	—	—	—	24	NA	—	13	NA	—
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	0.518 (U)	6190	—	0.162	—	—	NA	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	—	—	0.295	—	—	NA	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	16660	—	0.476	—	—	NA	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	—	—	0.519 (U)	—	—	0.498	—	—	NA	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	7380	—	0.39	—	—	NA	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Cobalt	Copper	Cyanide (Total)	Iron
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**6120**	**19.3**	**na[b]**	**8.64**	**14.7**	**0.5**	**21500**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**1900**	**2.6**	**na**	**8.89**	**3.96**	**0.5**	**3700**
SED Background Value[a]				**15400**	**0.83**	**3.98**	**127**	**0.4**	**4420**	**10.5**	**na**	**4.73**	**11.2**	**0.82**	**13800**
Industrial Soil Screening Levels[c]				**100000**	**454**	**17.7**	**100000**	**564**	**na**	**5000[d]**	**3400**	**20500**	**45400**	**13700**	**100000**
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	0.494 (U)	12830	—	—	—	—	NA	—
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	—	614 (J+)	—	—	—	—	—	—	NA	—
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	—	—	—	—	—	NA	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.515 (U)	—	—	—	—	—	—	—
RE02-07-3063	02-600660	4.5–8.5	QAL	—	—	—	968	0.521 (U)	—	21.2	—	—	—	—	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	—	—	—	0.514 (U)	—	—	—	—	—	—	—
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	0.523 (U)	—	19.9 (J)	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	0.562 (U)	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	9080 (J+)	—	0.902 (J)	51.7	0.572 (U)	—	64.8 (J)	—	—	—	—	7230
RE02-07-3069	02-600661	25.0–30.0	QBO	4760 (J+)	0.547 (UJ)	2.04 (U)	—	0.679 (U)	—	4.8	—	—	—	—	5500
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	—	—	—	—	0.247 (J)	—	—	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	0.509 (U)	—	—	0.0384 (J)	—	—	—	—
RE02-07-3075	02-600662	15.0–20.0	QBO	6300	—	1.48 (J)	—	0.586 (U)	—	8.9	—	—	—	—	8580
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	16.9	—	2.54 (U)	—	23.2 (J)	0.693	9.67	52	—	66400
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	0.552 (U)	—	—	0.068 (J)	—	—	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	8880 (J+)	—	1.07 (U)	55.6	0.607 (U)	—	2.98	0.287	—	—	—	5620
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	—	3.27	—	—	—	—	—	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	0.538 (U)	—	—	—	—	—	—	—
RE02-07-3085	02-600664	9.5–14.5	QBO	7510	—	1.42 (J)	42.7 (J+)	0.546 (U)	—	—	0.0275 (J)	—	—	—	11600
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	1.79 (U)	—	0.596 (U)	—	—	NA	—	—	—	4710
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.493 (U)	—	—	—	—	—	—	—
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	0.528 (U)	—	—	0.353	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	9380	—	1.66 (J)	30.3	—	—	16.2	0.0717 (J)	—	—	—	6280
RE02-07-6835	02-600665	19.5–23.5	QBO	7930	0.531 (UJ)	1.93 (U)	—	0.644 (U)	—	3.61	NA	—	—	—	5510
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
AOC 02-011(a)(i)														
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	—	—	—	—	1.75 (J-)	—	—	—	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	—	1.75 (J-)	—	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	—	1.05 (J-)	0.000539 (J)	—	—	—	—
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	—	2.3 (J-)	0.000764 (J)	—	—	—	50
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	—	2.6 (J-)	0.00127 (J)	—	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	—	—	—	—	1.71 (J-)	—	—	—	—	78.2
RE02-07-1573	02-600387	2.0–2.6	QAL	—	—	—	—	—	1.77 (J-)	0.000813 (J)	—	—	—	—
AOC 02-011(a)(ii)														
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	0.472	—	1.01 (J)	—	—	—	—	—
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	0.173	—	1.87	—	—	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(iii)														
RE02-07-1628	02-600406	0.0–0.5	ALLH	—	—	—	0.138	—	3.89	—	—	—	—	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	193	—	—	2.03	—	1.82 (U)	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	—	—	—	—	1.42	—	—	—	—	59.8
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	—	—	—	1.63 (U)	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	298	—	3.06	1.15 (J)	—	1.68 (U)	—	7.39 (J)	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	—	—	—	11	0.00131 (J)	—	—	—	—
AOC 02-011(a)(iv)														
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	1.27	—	1.78 (J-)	—	—	—	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	0.198	—	1.07	—	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	1.83 (U)	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	253 (J-)	—	2.27	—	—	1.88 (U)	—	—	—
AOC 02-011(a)(v)														
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	—	—	0.617	—	—	—	—	—	—	—
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	—	—	1.61 (U)	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	—	—	0.703	—	1.51 (J-)	—	—	—	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	0.397	—	1.63 (J-)	—	1.67 (U)	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	191 (J+)	—	3.44	—	—	0.758 (J)	—	7.56	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	0.899 (J)	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
AOC 02-011(a)(vi)														
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	20.5	—	—	0.00121 (J)	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	0.751	—	1.9	—	1.57 (U)	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	—	—	—	1.64 (U)	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	—	6.57	—	—	0.000599 (J)	—	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	1.29	—	1.61 (U)	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	196 (J-)	—	3 (U)	—	—	1.96 (U)	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	0.835 (J)	—	—	—	—	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	—	—	—	2.41	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	224 (J+)	—	4.64 (J+)	—	0.000773 (J)	1.76	—	4.83	—
AOC 02-011(a)(viii)														
CA02-00-0192	02-01152	0.0–0.5	SED	40	—	—	2.2 (J-)	—	NA	NA	—	—	—	390 (J+)
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	—	0.305	—	NA	NA	—	—	—	68.8 (J-)
RE02-03-51825	02-22351	5.5–6.0	ALLH	—	—	—	0.197	—	NA	NA	—	—	—	67.3 (J-)
RE02-03-51826	02-22352	3.0–3.5	ALLH	25.8 (J)	—	—	5.26	—	NA	NA	—	—	—	66.3 (J-)
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	0.201	—	NA	NA	—	—	—	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	0.681	—	NA	NA	—	—	—	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	0.178	—	NA	NA	—	—	—	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	0.382	—	NA	NA	—	—	—	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	0.122	—	NA	NA	—	—	—	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	0.315	—	NA	NA	—	—	—	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	2.93 (J-)	—	1.37	—	—	—	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	1.82	—	1.64 (U)	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	0.136	—	—	—	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	267	—	—	—	—	1.9 (U)	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	—	0.473	—	4.09	—	—	—	—	57.4
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	1.71	—	1.31	—	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	233	—	—	—	—	0.801 (J)	—	—	—
AOC 02-011(a)(ix)														
CA02-00-0320	02-01150	0.0–0.5	SED	20	—	—	0.23 (J-)	—	NA	NA	—	1.1	—	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	0.49 (J-)	—	NA	NA	—	—	—	150 (J+)
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	2370 (J)	—	—	—	—	NA	NA	—	—	69.5	256 (J-)
RE02-03-51857	02-22367	5.0–5.5	ALLH	768 (J)	—	—	—	—	NA	NA	—	—	—	296 (J-)
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	1.24	—	1.91	—	—	—	—	113
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	—	1.11 (J-)	—	—	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	292 (J+)	—	6.52 (U)	—	—	0.91 (J)	—	5.96	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	—	—	0.74	—	1.04 (J-)	—	—	—	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	—	—	—	1.62	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	201	—	2.44	—	—	1.56 (J)	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	263	—	—	—	—	5.63	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	—	—	—	0.25	—	1.33 (J+)	0.000752 (J)	—	—	—	49.6
RE02-07-1775	02-600433	14.0–19.0	QBO	—	—	310	—	2.17	—	—	2.27	—	4.75	—
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	—	—	0.421	—	1.66 (J+)	0.000556 (J)	—	—	—	—
RE02-07-1781	02-600434	7.5–16.0	QAL	—	—	—	0.102 (J)	—	—	—	2.07	—	—	—
RE02-07-1780	02-600434	16.0–19.0	QBO	48.8	4800 (J)	816	—	2.85 (U)	—	—	5.15	—	15.3	54.1
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	0.358	—	1.18 (J-)	—	—	—	—	52
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	—	1.51	0.0008 (J)	4.6	—	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	—	—	228	—	—	—	—	1.9	—	—	—
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	—	—	0.311	—	1.05 (J-)	—	—	—	—	—
RE02-07-1789	02-600436	7.5–13.5	QAL	—	—	—	—	—	—	—	1.56 (U)	—	—	—
RE02-07-1790	02-600436	13.5–18.5	QBO	—	—	360	—	2.97 (U)	—	—	1.76 (U)	—	4.74	—
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	—	—	—	—	—	—	1.53 (U)	—	—	—
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	—	1.37	—	1.59 (U)	—	—	—
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	—	—	0.125	—	1.74 (J-)	—	—	—	—	57.9
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	—	1.42	—	—	—	—	—
RE02-07-1800	02-600438	14.0–16.2	QBO	—	—	374	—	—	—	—	1.73 (U)	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	—	—	0.411	—	1.13 (J-)	—	—	—	—	—
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	—	2.35	—	1.59 (U)	—	—	—
RE02-07-1805	02-600439	14.0–18.5	QBO	—	—	392	—	2.86 (U)	—	—	1.77 (U)	—	5.44	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	0.33	—	1.73 (J-)	—	—	—	—	52.9
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	—	1.52	0.000733 (J)	1.74	—	—	—
RE02-07-1810	02-600440	14.0–19.0	QBO	—	—	209	—	3.09	—	—	1.82 (J)	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	—	—	4.39	—	—	—	1.63 (U)	—	—	—
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	0.257	—	1.28 (J-)	—	—	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	—	5.72 (J-)	—	—	—	—	—
RE02-07-1815	02-600441	15.0–22.0	QBO	—	—	267	—	4.84 (U)	—	—	0.691 (J)	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	0.179	—	1.17 (J-)	—	—	—	—	—
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	—	—	—	1.53 (J)	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	222	—	2.52	—	—	1.46 (J)	—	6.12	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	—	—	6.45	—	9.68	—	—	—	—	—
RE02-07-1823	02-600443	2.0–4.0	QAL	92.2 (J)	—	—	0.978 (J-)	—	—	—	—	—	—	158 (J+)
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	—	—	—	—	—	—	77.4 (J+)
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	310 (J+)	—	2.39 (U)	2.87 (J-)	—	1.1 (J)	—	14.3	—
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	288 (J+)	—	3.3 (U)	1.67 (J-)	—	0.746 (J)	—	8.4	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	—	1.41 (J+)	—	—	—	—	—
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	—	—	—	1.87	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	—	248 (J+)	—	—	—	—	1.89	—	6.17 (J)	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	—	0.954 (J-)	—	—	—	—	214
RE02-07-1834	02-600445	7.5–10.5	QAL	—	—	—	—	—	—	—	1.78	—	—	—
RE02-07-1835	02-600445	13.0–18.5	QBO	—	—	198 (J+)	—	—	—	—	2.13	—	—	—
RE02-07-1836	02-600445	26.0–28.5	QBO	—	—	243 (J+)	—	—	—	—	2.07	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	—	1.19 (J+)	—	—	—	—	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	—	—	—	2.68	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	210	—	2.18 (J)	—	—	1.55 (U)	—	9.39 (J)	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	—	—	0.117	—	1.19 (J-)	—	—	—	—	—
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-1845	02-600447	14.5–18.5	QBO	—	—	247	—	2.43 (J)	—	—	1.84 (U)	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	—	—	0.283	—	1.28 (J-)	—	—	—	—	—
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	—	1.22	—	1.57 (U)	—	—	—
AOC 02-011(a)(x)														
CA02-00-0193	02-01153	0.0–0.5	SED	45	—	—	0.12 (J-)	—	NA	NA	0.572 (J)	1.1	—	75.6 (J+)
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	0.12 (J-)	—	NA	NA	0.374 (J)	1.1	—	120 (J+)
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	—
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	—

Table F-2.23-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
ALLH/QAL Background Value[a]				**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
QBO Background Value[a]				**13.5**	**739**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**1**	**4.59**	**40**
SED Background Value[a]				**19.7**	**2370**	**543**	**0.1**	**9.38**	**na**	**na**	**0.3**	**1**	**19.7**	**60.2**
Industrial Soil Screening Levels[c]				**800**	**na**	**48400**	**340[d]**	**22700**	**100000**	**790[d]**	**5680**	**5680**	**1140**	**100000**
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	—	0.656	—	NA	NA	—	—	—	914 (J-)
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	NA	NA	—	—	—	125 (J-)
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	NA	NA	—	—	—	297 (J-)
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	—	—	—	4.1 (U)	—	—	—
RE02-07-3063	02-600660	4.5–8.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	—	—	—	—	—	—	3.77 (U)	—	—	71.5
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	—	—	202	—	—	—	—	0.873 (J)	—	6.14	—
RE02-07-3069	02-600661	25.0–30.0	QBO	—	—	—	—	—	—	—	2.04 (U)	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	0.19	—	1.13	0.000609 (J)	—	—	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	2.35	0.000627 (J)	1.53 (U)	—	—	—
RE02-07-3075	02-600662	15.0–20.0	QBO	—	—	256	—	—	1.02 (J)	—	1.76 (U)	—	6.6 (J)	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	—	0.267	—	—	0.00114 (J)	5.71 (U)	—	—	—
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	—	1.03	0.000634 (J)	—	—	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	—	—	334 (J+)	—	2.33	—	—	1.82 (U)	—	—	—
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	1.73	—	—	—	3.01 (U)	—	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	—	—	—	—	—	56.3
RE02-07-3085	02-600664	9.5–14.5	QBO	—	832 (J+)	566 (J+)	—	3.76 (U)	—	—	1.58 (J)	—	8.09	50.2
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	—	—	—	—	—	5.54	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	0.13	—	1.44 (J-)	—	1.71 (U)	—	—	—
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	—	—	—	1.58 (U)	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	218	—	—	—	—	1.72 (U)	—	5.25 (J)	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	190	—	—	—	—	6.17	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	25.9 (J)	—	—	—	—	1.91 (J-)	0.000703 (J)	3.66 (U)	—	—	98.7

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

[f] NA = Not analyzed.

Table F-2.23-2
Summary of Organic Chemicals Detected at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
AOC 02-011(a)(i)																	
RE02-07-1566	02-600385	0.0–0.5	ALLH	—[c]	—	—	—	1.25	3.45	0.0432	0.042	0.0618	0.0165 (J)	0.0244 (J)	—	NA[d]	0.0486
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	0.381	1.05	—	—	—	—	—	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	—	—	—	9.19	22	0.0291 (J)	0.021 (J)	0.0334 (J)	—	0.0134 (J)	—	NA	0.0237 (J)
RE02-07-1570	02-600386	2.0–2.5	QAL	—	—	—	—	9.17	19.2	0.0104 (J)	—	—	—	—	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	—	—	—	2.02	5.05	0.0157 (J)	—	0.0156 (J)	—	—	—	—	0.0112 (J)
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	0.00903 (J)	—	—	0.234	0.553	0.0516	0.0551	0.0702	0.0271 (J)	0.041	—	NA	0.0598
RE02-07-1573	02-600387	2.0–2.6	QAL	—	0.00727 (J)	—	—	0.0532	0.105	0.032 (J)	0.0332 (J)	0.0424	0.0222 (J)	0.0219 (J)	—	—	0.0386
AOC 02-011(a)(ii)																	
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.157	0.367	—	—	—	28	1.54	1.5 (J)	2.09 (J)	0.557 (J)	—	—	NA	1.5
RE02-07-1877	02-600449	2.0–4.5	QAL	—	—	—	—	—	44.8	—	0.0207 (J)	0.0294 (J)	—	—	—	—	0.0252 (J)
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	—	—	0.171	—	—	—	—	—	—	—	—
AOC 02-011(a)(iii)																	
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.0276 (J)	0.0402	—	—	—	6.84	0.183	0.176	0.323	0.0903	—	—	NA	0.238
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	0.0321	—	—	—	—	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	0.0106	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.144	0.195	—	—	—	0.172	0.325 (J)	0.352 (J)	0.564 (J)	0.218 (J)	—	—	NA	0.332 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	0.0222 (J)	0.0299 (J)	—	—	—	0.0884	0.0721	0.0658	0.101	0.0446	—	—	—	0.0565
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.0134 (J)	0.0234 (J)	—	—	0.0647	0.102	0.147	0.152	0.281	0.0917	—	—	NA	0.191
AOC 02-011(a)(iv)																	
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	—	0.0556	0.0681	0.0312 (J)	0.0331 (J)	0.0469 (J)	—	—	—	NA	0.0383 (J)
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	0.0045	0.0067	—	—	—	—	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(v)																	
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.0125 (J)	0.0226 (J)	—	—	—	73.1	0.175	0.218	0.282	0.102 (J)	—	—	NA	0.162
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	0.496	—	—	—	—	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	0.0211 (J)	0.0395	—	—	—	0.344	0.0881	0.166	0.148	0.0921 (J)	—	—	NA	0.0886
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	0.0475	0.0295	—	—	—	—	—	—	—	—

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(vi)																	
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	0.402	—	—	0.0646	0.126	5.22	3.46 (J)	6.38 (J)	1.5 (J)	—	—	NA	4.8
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.0381	0.0652	—	—	0.011 (J)	—	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.0023 (J)	0.0055	—	—	—	—	—	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	0.00906 (J)	—	—	—	—	—	0.071	0.101	0.0358	—	—	NA	0.0612
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	—	—	0.000237 (J)	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	0.0018 (J)	—	—	—	—	—	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	0.0376 (J)	—	—	—	—	—	0.259	0.369	—	—	—	NA	0.197
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	—	0.0021 (J)	—	—	—	—	—	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	—	—	0.0017 (J)	—	—	—	—	—	—	—	—
AOC 02-011(a)(viii)																	
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.00808 (J)	—	—	0.0276 (J)	0.0546	—	0.0673 (J)	0.102 (J)	—	—	—	NA	0.059
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	—	0.0032 (J)	—	—	—	—	—	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	0.033 (J)	0.0559	—	—	—	0.0429	0.104	0.116	0.166	0.0774	—	—	NA	0.0939
RE02-07-2425	02-600543	9.5–11.0	QAL	—	0.0118 (J)	—	—	—	0.0238	—	0.0229 (J)	0.038 (J)	—	—	—	—	0.0244 (J)
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	—	—	0.0514	—	—	—	—	—	—	0.000304 (J)	—
AOC 02-011(a)(ix)																	
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	0.0164 (J)	—	—	0.232	0.174	0.0779	0.121 (J)	0.109 (J)	—	—	—	NA	0.0806
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	—	0.01	0.0133	—	—	—	—	—	0.153 (J)	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	—	—	0.0244 (J-)	0.0392 (J-)	—	—	—	—	—	0.0894 (J)	—	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	0.0134 (J)	0.0877	—	—	0.0142 (J)	0.0241 (J)	0.593	0.433	0.792	0.158	—	—	NA	0.517
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	0.0045	0.0051	0.0172 (J)	0.0937 (J)	0.0151 (J)	—	—	0.0789 (J)	—	0.0145 (J)
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	0.0481	0.0843	—	—	0.222	0.118	0.184	0.237	0.323	0.0995	—	—	NA	0.194
RE02-07-1778	02-600434	0.0–0.5	ALLH	0.0163 (J)	0.0267 (J)	—	—	0.0251 (J)	0.0426	0.0588	0.0684	0.0656	0.0522	0.0533	—	NA	0.0699
RE02-07-1781	02-600434	7.5–16.0	QAL	—	0.0101 (J)	—	—	0.00563	0.0054	0.0288 (J)	0.0334 (J)	0.0344 (J)	0.0243 (J)	—	—	—	0.035 (J)

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	—	—	—	—	0.0235 (J)	0.017 (J)	—	—	—	—	—	NA	0.0133 (J)
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	0.0103 (J-)	—	0.00826	0.0062	0.0142 (J)	—	—	—	—	—	—	—
RE02-07-1788	02-600436	0.0–0.5	ALLH	0.019 (J)	0.0274 (J)	—	—	0.0196 (J)	0.0263 (J)	0.0606	0.0775	0.0908	0.0467	—	—	NA	0.0702
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	0.011 (J)	—	—	0.0381	0.0466	0.0371	0.0501	0.0493	0.0312 (J)	0.0317 (J)	—	NA	0.0418
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	0.0151 (J)	—	—	0.118	0.268	0.07	0.0799	0.106	0.0625	0.0481	—	NA	0.0812
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	0.0035 (J)	0.0067	—	—	—	—	—	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	0.0142 (J)	—	—	0.0984	0.194	0.0535	0.0427	0.0624	0.0332 (J)	0.0326 (J)	—	NA	0.0531
RE02-07-1804	02-600439	7.5–14.0	QAL	—	—	—	—	0.0286	0.0519	0.041	0.0331 (J)	0.0397	—	—	—	—	0.0326 (J)
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	—	0.0209 (J)	0.0245 (J)	0.0246 (J)	0.034 (J)	—	0.0129 (J)	—	NA	0.0239 (J)
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	—	0.008	0.0071	—	—	—	—	—	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	0.0286 (J)	—	0.197	0.138	0.172	0.17	0.168 (J)	0.236 (J)	—	—	—	NA	0.157
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	—	0.0104	0.0225	—	—	—	—	—	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	0.0122 (J)	—	—	—	—	—	—	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	—	—	—	0.0177 (J+)	0.0286 (J+)	0.0439	0.05 (J)	0.0868 (J)	0.0155 (J)	—	—	NA	0.0481
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	—	0.0089 (J)	0.0062 (J)	—	—	—	—	—	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	—	0.0028 (J)	0.0021 (J)	—	—	—	—	—	—	—	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	0.0111 (J)	—	—	0.0553	0.145	0.0538	0.0998 (J)	0.0797 (J)	—	—	—	NA	0.0574
RE02-07-1823	02-600443	2.0–4.0	QAL	—	0.0159 (J)	—	—	0.174	0.0721	0.0402 (J)	0.0368 (J)	0.0607 (J)	—	—	—	—	0.0337 (J)
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	—	—	0.0216 (J-)	0.0161 (J-)	—	—	—	—	—	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	—	—	0.0061	0.0069	—	—	—	—	—	—	—	—
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	—	—	0.003 (J-)	0.0027 (J-)	—	—	—	—	—	—	—	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	—	—	—	0.0142 (J)	0.0336 (J)	0.0605	0.0452	0.0626	—	—	—	NA	0.0689
RE02-07-1829	02-600444	7.5–8.5	QAL	—	—	—	—	0.0165	0.0122	—	—	—	—	—	—	0.000218 (J)	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	—	—	—	0.0026 (J)	0.0028 (J)	—	—	—	—	—	—	—	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	—	—	—	—	0.0504	0.106	0.0173 (J)	0.0155 (J)	0.0142 (J)	—	—	—	NA	0.0115 (J)
RE02-07-1835	02-600445	13.0–18.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	—	0.0171 (J)	0.0372	—	—	—	—	—	—	NA	—
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	—	0.0084	0.0065	—	—	—	—	—	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	—	—	0.0066	0.0046	—	—	—	—	—	—	—	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	0.0144 (J)	—	—	0.0257 (J)	0.0422	0.0599	0.0492	0.0653	—	—	—	NA	0.0535
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	—	0.0106	0.0131	—	—	—	—	—	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	0.0158 (J)	0.0263 (J)	—	—	0.0175 (J)	0.0215 (J)	0.0648	0.0799	0.0953	0.0488 (J)	0.0335 (J)	—	NA	0.0649

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Chloroform	Chrysene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**	**1370**	**9.59**	**2310**
AOC 02-011(a)(x)																	
0402-95-0303	02-01162	0.5–0.8333	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0305	02-01162	2.5–3.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0304	02-01162	8.0–9.0	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0402-95-0306	02-01162	12.5–13.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.0145 (J)	0.0247 (J+)	—	—	—	—	—	—	NA	—
RE02-07-3067	02-600661	0.0–0.5	ALLH	0.0824	0.131	—	—	0.036	0.0583	0.232	0.262	0.43	0.0952	—	—	NA	0.248
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	—	—	—	—	0.0254 (J)	—	—	—	—	—	—	NA	0.0112 (J)
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	0.0025 (J)	—	—	—	—	—	—	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	0.00847 (J)	—	—	0.0549	0.0414	—	—	—	—	—	—	NA	0.0145 (J)
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	—	—	—	—	1.16	0.0165 (J)	0.0217 (J)	0.0221 (J)	—	—	—	NA	0.0122 (J)
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	0.319	—	—	—	—	—	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.0406	0.0488	—	0.0425	0.0642	—	—	—	NA	0.0383
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	—	—	0.0024 (J)	—	—	—	—	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	—	—	0.005	0.0041	—	—	—	—	—	—	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	0.0156 (J)	0.0401	—	—	0.0701	0.0944	—	0.221	0.674	0.111	—	—	NA	0.34

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
AOC 02-011(a)(i)												
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	0.107	—	0.0000171	0.0000227	0.00000143 (J)	—	0.000000522 (J)	0.000000361 (J)
RE02-07-1567	02-600385	2.0–3.0	QAL	—	0.0119 (J)	—	0.00000461	0.00000562	0.000000359 (J)	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	0.0516	—	0.0000385	0.0000714	0.00001	0.000000354 (J)	0.00000111 (J)	0.000000604 (J)
RE02-07-1570	02-600386	2.0–2.5	QAL	—	0.0106 (J)	—	0.00000595	0.0000108	0.00000152 (J)	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	0.0263 (J)	—	0.00000584	0.0000154	0.00000233 (J)	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	—	0.0984	—	0.00016	0.0000475	0.00000235 (J)	0.00000071 (J)	0.00000332	0.0000013 (J)
RE02-07-1573	02-600387	2.0–2.6	QAL	—	0.0529	—	0.000166	0.0000472	0.00000182 (J)	0.000000738 (J)	0.0000037	0.00000091 (J)
AOC 02-011(a)(ii)												
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.151 (J)	3.84	0.123	0.0000496	0.000159	0.000023	—	0.00000161 (J)	0.000000854 (J)
RE02-07-1877	02-600449	2.0–4.5	QAL	—	0.0481	—	0.0000208	0.0000844	0.0000159	—	0.000000758 (J)	0.000000382 (J)
RE02-07-1878	02-600449	4.5–9.5	QAL	—	—	—	0.00000134 (J)	0.00000545	0.000000799 (J)	—	—	—
AOC 02-011(a)(iii)												
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.0533 (J)	0.516	0.0188 (J)	0.0000131	0.0000487	0.00000787	—	0.00000046 (J)	0.000000424 (J)
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	—	0.613	0.106	0.0000214	0.0000136	0.000000975 (J)	0.000000273 (J)	0.00000103 (J)	0.000000623 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	—	0.126	0.0188 (J)	0.00000964	0.00000815	0.00000072 (J)	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.101 (J)	0.385	—	0.0000303	0.00000859	0.000000406 (J)	0.000000273 (J)	0.00000088 (J)	0.00000057 (J)
AOC 02-011(a)(iv)												
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	0.0504	—	0.0000498	0.00000529	0.00000035 (J)	—	0.0000018 (J)	0.00000112 (J)
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	0.000002 (J)	0.000000432 (J)	—	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	0.00000397	0.000000779 (J)	—	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	0.0000015 (J)	0.000000414 (J)	—	—	—	—
AOC 02-011(a)(v)												
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.0364 (J)	0.288	—	0.000058	0.000265	0.0000499	0.000000519 (J)	0.00000194 (J)	0.000000991 (J)
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	—	0.137	0.0167 (J)	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na[e]**	**na**	**na**	**na**	**na**	**na**
RE02-07-1887	02-600451	4.5–10.0	QAL	—	0.0118 (J)	—	0.00000281	—	—	—	—	—
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	0.00000139 (J)	—	—	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—
AOC 02-011(a)(vi)												
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	6.62	—	0.0000716	0.0000106	—	0.000000514 (J)	0.00000228 (J)	0.00000127 (J)
RE02-07-2359	02-600532	4.5–9.5	QAL	—	0.0147 (J)	—	0.0000067	0.0000021 (J)	—	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	0.0000795	0.0000166	0.00000184 (J)	0.000000241 (J)	0.00000219 (J)	0.000000359 (J)
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	0.0815	—	0.0000133	0.00000301	0.000000149 (J)	0.000000423 (J)	0.000000418 (J)	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	0.00000326	—	—	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	0.0000168	0.00000274	—	—	0.000000606 (J)	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	0.000000948 (J)	—	—	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	0.261	—	0.00000645	0.00000192 (J)	—	—	0.000000224 (J)	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	0.000023	0.0000043	0.000000542 (J)	—	0.000000827 (J)	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	0.0000248	0.00000761	0.000000617 (J)	—	0.00000078 (J)	—
AOC 02-011(a)(viii)												
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.0678	—	0.0000262	0.00000372	—	—	0.000000991 (J)	0.000000668 (J)
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	0.00000498	0.000000918 (J)	—	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	0.0000235	0.00000496	—	—	0.000000766 (J)	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	0.208	0.0286 (J)	0.000021	0.00000502	—	—	0.000000664 (J)	—
RE02-07-2425	02-600543	9.5–11.0	QAL	—	0.0484	—	0.0000073	0.00000142 (J)	—	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	0.00000105 (J)	0.000000446 (J)	—	—	—	—
AOC 02-011(a)(ix)												
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	0.107	—	NA	NA	NA	NA	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1765	02-600431	15.0–21.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1768	02-600432	0.0–0.5	ALLH	—	0.965	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	—	0.0204 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1773	02-600433	0.0–0.5	ALLH	0.0613 (J)	0.292	0.0405	NA	NA	NA	NA	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	—	0.0943	0.0145 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1781	02-600434	7.5–16.0	QAL	—	0.0571	—	NA	NA	NA	NA	NA	NA
RE02-07-1783	02-600435	0.0–0.5	ALLH	—	0.0217 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	—	0.0209 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1788	02-600436	0.0–0.5	ALLH	—	0.11	0.0141 (J)	NA	NA	NA	NA	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	—	0.0552	—	NA	NA	NA	NA	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	—	0.156	—	NA	NA	NA	NA	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1803	02-600439	0.0–0.5	ALLH	—	0.109	—	NA	NA	NA	NA	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	—	0.0865	—	NA	NA	NA	NA	NA	NA
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	0.033 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1813	02-600441	0.0–0.5	ALLH	—	0.222	—	NA	NA	NA	NA	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1818	02-600442	0.0–0.5	ALLH	—	0.071	—	NA	NA	NA	NA	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1822	02-600443	0.0–0.5	ALLH	—	0.0887	—	NA	NA	NA	NA	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	—	0.0427	—	NA	NA	NA	NA	NA	NA
RE02-07-1824	02-600443	4.0–8.0	QAL	—	0.0119 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-1826	02-600443	10.0–12.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1825	02-600443	15.0–17.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1828	02-600444	0.0–0.5	ALLH	—	0.0687	—	NA	NA	NA	NA	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	0.0736 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1830	02-600444	13.5–20.5	QBO	0.0856 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1833	02-600445	0.0–0.5	ALLH	0.0446 (J)	0.016 (J)	—	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Di-n-butylphthalate	Fluoranthene	Fluorene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]
Industrial Soil Screening Levels[b]				**68400**	**24400**	**26500**	**na**[e]	**na**	**na**	**na**	**na**	**na**
RE02-07-1835	02-600445	13.0–18.5	QBO	0.102 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1838	02-600446	0.0–0.5	ALLH	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1840	02-600446	13.0–18.0	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1843	02-600447	0.0–0.5	ALLH	—	0.0861	—	NA	NA	NA	NA	NA	NA
RE02-07-1844	02-600447	8.5–13.5	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-1848	02-600448	0.0–0.5	ALLH	—	0.103	0.0138 (J)	NA	NA	NA	NA	NA	NA
AOC 02-011(a)(x)												
0402-95-0303	02-01162	0.5–0.8333	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0305	02-01162	2.5–3.5	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0304	02-01162	8.0–9.0	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
0402-95-0306	02-01162	12.5–13.5	QBT2	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	—	0.403	0.0662	NA	NA	NA	NA	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	0.0381 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3071	02-600661	11.0–14.5	QAL	0.0417 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3070	02-600661	14.5–19.5	QBO	0.0467 (J)	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3072	02-600662	0.0–0.5	ALLH	—	0.0217 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	0.0296 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	—	0.0182 (J)	—	NA	NA	NA	NA	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	0.041	—	NA	NA	NA	NA	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3090	02-600665	13.5–18.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	NA	NA	NA	NA	NA	NA
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	0.362	0.0161 (J)	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389[f]**	**490**	**300[g]**	**300**	**na**	**na**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	0.00002	0.00000788	0.00000161 (J)	0.0000146	0.018 (J)	NA	NA	NA	—	—	0.000132	0.0000173
RE02-07-1567	02-600385	2.0–3.0	QAL	0.00000512	0.00000196 (J)	0.00000041 (J)	0.00000363	—	—	—	—	—	—	0.0000344	0.00000415 (J)
RE02-07-1569	02-600386	0.0–0.5	ALLH	0.0000802	0.0000286	0.00000477	0.0000415	—	NA	NA	NA	—	—	0.000278	0.0000989
RE02-07-1570	02-600386	2.0–2.5	QAL	0.0000121	0.00000456	0.000000763 (J)	0.00000696	—	—	—	—	—	—	0.0000474	0.0000148
RE02-07-1571	02-600386	4.5–5.3	QAL	0.0000177	0.00000674	0.00000121 (J)	0.00000932	—	0.000509 (J+)	—	—	—	—	0.0000427	0.0000215
RE02-07-1572	02-600387	0.0–0.5	ALLH	0.00000486	0.00000166 (J)	0.0000005 (J)	0.00000273	0.0252 (J)	NA	NA	NA	—	—	0.0012	0.00022
RE02-07-1573	02-600387	2.0–2.6	QAL	0.00000182 (J)	0.000000621 (J)	—	0.000000981 (J)	0.0184 (J)	—	—	—	—	—	0.00123	0.000248
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	0.000193	0.0000737	0.0000106	0.00012	0.742 (J)	NA	NA	NA	—	—	0.000436	0.000191
RE02-07-1877	02-600449	2.0–4.5	QAL	0.000101	0.00004	0.00000569	0.0000637	0.0127 (J)	—	—	—	—	—	0.000145	0.00012
RE02-07-1878	02-600449	4.5–9.5	QAL	0.00000641	0.00000263	0.00000051 (J)	0.0000043	—	—	—	—	—	—	0.0000134	0.0000057
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.000042	0.0000155	0.00000374	0.0000298	0.0725	NA	NA	NA	—	—	0.000123	0.0000711 (J)
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	—	—	0.000000357 (J)	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.00000593	0.00000337	0.000000771 (J)	0.00000534	0.188 (J)	NA	NA	NA	0.0611	0.0971	0.000208	0.0000238 (J)
RE02-07-1633	02-600407	4.5–10.0	QAL	0.00000586	0.00000254	0.000000406 (J)	0.00000368	0.0395	—	—	—	0.0121 (J)	0.0272 (J)	0.0000843	0.0000136
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	0.000000689 (J)	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	0.000000952 (J)	0.000000344 (J)	—	0.000000695 (J)	0.0703	NA	NA	NA	—	—	0.000222	0.000035 (J)
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	0.000000962 (J)	0.000000562 (J)	—	0.000000718 (J)	—	NA	NA	NA	—	—	0.000428	0.0000113
RE02-07-2509	02-600563	4.5–10.0	QAL	0.0000000972 (J)	—	—	—	—	—	—	—	—	—	0.0000265	0.0000009 (J)
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000413	0.0000024 (J)
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	0.0000000642 (J)	—	—	—	—	—	—	0.0000162	0.000000862 (J)
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	0.000301	0.000105	0.0000166	0.000157	0.117	NA	NA	NA	—	—	0.000552	0.000391
RE02-07-1883	02-600450	4.5–10.0	QAL	0.000000608 (J)	—	—	—	—	—	—	—	—	—	0.00000111 (J)	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	NA	NA	NA	NA	0.103	NA	NA	NA	0.00793 (J)	0.015 (J)	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389[f]**	**490**	**300[g]**	**300**	**na**	**na**
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000235	0.00000119 (J)
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	—	—	0.0000142	0.000000752 (J)
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	—	—	0.00000168 (J)	—
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	0.00000177 (J)	0.000000917 (J)	—	0.00000131 (J)	1.36 (J)	NA	NA	NA	—	—	0.000762	0.0000278
RE02-07-2359	02-600532	4.5–9.5	QAL	0.000000642 (J)	0.000000318 (J)	—	—	—	—	—	—	—	—	0.0000772	0.0000039 (J)
RE02-07-2361	02-600532	9.5–12.5	QAL	0.000000459 (J)	—	—	0.000000282 (J)	—	—	—	—	—	—	0.00113	0.0000639
RE02-07-2362	02-600533	0.0–0.5	ALLH	0.000000201 (J)	0.000000138 (J)	—	—	0.022 (J)	NA	NA	NA	—	—	0.000129	0.00000561
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—	0.0000434	0.00000142 (J)
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—	0.000241	0.00000837
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	0.00273 (J)	—	—	0.0000118	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	0.000000119 (J)	—	—	—	—	NA	NA	NA	—	—	0.0000768	0.00000438 (J)
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	0.000000164 (J)	—	—	—	—	—	—	0.000382	0.0000123
RE02-07-2369	02-600534	14.5–20.0	QBO	0.000000237 (J)	—	—	0.000000125 (J)	—	—	—	—	—	—	0.00038	0.0000163
AOC 02-011(a)(viii)															
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	0.0000003 (J)	—	0.000000363 (J)	—	NA	NA	NA	—	—	0.000248	0.00000935
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	—	—	0.0000741	0.00000308 (J)
RE02-07-2422	02-600542	10.0–12.2	QAL	0.000000251 (J)	—	—	—	—	—	—	—	—	—	0.000388	0.0000194
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	—	—	0.000003 (J)	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	0.000000581 (J)	0.000000347 (J)	—	—	0.0703	NA	NA	NA	0.0176 (J)	0.0336 (J)	0.000233	0.0000161
RE02-07-2425	02-600543	9.5–11.0	QAL	0.000000282 (J)	—	—	0.000000156 (J)	0.0126 (J)	—	—	—	—	—	0.000084	0.00000382 (J)
RE02-07-2426	02-600543	19.5–22.0	QBO	0.00000033 (J)	—	—	—	—	—	—	0.00361 (J)	—	—	0.0000114	0.000000818 (J)
AOC 02-011(a)(ix)															
RE02-07-1763	02-600431	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1765	02-600431	15.0–21.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1768	02-600432	0.0–0.5	ALLH	NA	NA	NA	NA	0.145	NA	NA	NA	—	—	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1770	02-600432	14.0–19.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389[f]**	**490**	**300[g]**	**300**	**na**	**na**
RE02-07-6823	02-600432	24.5–29.0	QBO	NA	NA	NA	NA	—	—	—	0.00322 (J)	—	—	NA	NA
RE02-07-1773	02-600433	0.0–0.5	ALLH	NA	NA	NA	NA	0.107	NA	NA	NA	0.0194 (J)	0.0278 (J)	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	NA	NA	NA	NA	0.0412	NA	NA	NA	—	0.0125 (J)	NA	NA
RE02-07-1781	02-600434	7.5–16.0	QAL	NA	NA	NA	NA	0.0206 (J)	—	—	—	—	—	NA	NA
RE02-07-1783	02-600435	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	NA	NA	NA	NA	—	—	0.000534 (J)	—	—	0.0176 (J)	NA	NA
RE02-07-1788	02-600436	0.0–0.5	ALLH	NA	NA	NA	NA	0.0376	NA	NA	NA	0.00962 (J)	0.0231 (J)	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	NA	NA	NA	NA	0.0282 (J)	NA	NA	NA	—	—	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	NA	NA	NA	NA	0.0494	NA	NA	NA	—	—	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1803	02-600439	0.0–0.5	ALLH	NA	NA	NA	NA	0.0272 (J)	NA	NA	NA	—	—	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	NA	NA	NA	NA	0.0147 (J)	—	—	—	—	—	NA	NA
RE02-07-1808	02-600440	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1813	02-600441	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1816	02-600441	10.0–15.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1818	02-600442	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1820	02-600442	15.0–20.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1822	02-600443	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1824	02-600443	4.0–8.0	QAL	NA	NA	NA	NA	—	0.000401 (J)	—	—	—	—	NA	NA
RE02-07-1826	02-600443	10.0–12.5	QBO	NA	NA	NA	NA	—	0.00072 (J)	—	—	—	—	NA	NA
RE02-07-1825	02-600443	15.0–17.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1828	02-600444	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1830	02-600444	13.5–20.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1833	02-600445	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropylbenzene	Isopropyltoluene[4-]	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**na**	**23.4**	**389**	**389**[f]	**490**	**300**[g]	**300**	**na**	**na**
RE02-07-1835	02-600445	13.0–18.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1838	02-600446	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1840	02-600446	13.0–18.0	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1843	02-600447	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-1844	02-600447	8.5–13.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-1848	02-600448	0.0–0.5	ALLH	NA	NA	NA	NA	0.0436 (J)	NA	NA	NA	—	—	NA	NA
AOC 02-011(a)(x)															
0402-95-0303	02-01162	0.5–0.8333	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0305	02-01162	2.5–3.5	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0304	02-01162	8.0–9.0	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
0402-95-0306	02-01162	12.5–13.5	QBT2	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3062	02-600660	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	NA	NA	NA	NA	0.0838	NA	NA	NA	0.0408	0.0861	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3071	02-600661	11.0–14.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3070	02-600661	14.5–19.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3072	02-600662	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3077	02-600663	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	0.0123 (J)	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3087	02-600665	0.0–0.5	ALLH	NA	NA	NA	NA	—	NA	NA	NA	—	—	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-3090	02-600665	13.5–18.5	QBO	NA	NA	NA	NA	—	—	—	—	—	—	NA	NA
RE02-07-6835	02-600665	19.5–23.5	QBO	NA	NA	NA	NA	—	—	—	0.00295 (J)	—	—	NA	NA
RE02-07-3092	02-600666	0.0–0.5	ALLH	NA	NA	NA	NA	0.102	NA	NA	NA	—	0.0112 (J)	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
AOC 02-011(a)(i)															
RE02-07-1566	02-600385	0.0–0.5	ALLH	—	0.00000644	0.00004	0.0316 (J)	0.0738	0.000000201	0.0000213	NA	NA	NA	NA	NA
RE02-07-1567	02-600385	2.0–3.0	QAL	—	0.00000164 (J)	0.0000101	—	—	—	0.00000571	0.000337 (J)	NA	—	—	—
RE02-07-1569	02-600386	0.0–0.5	ALLH	—	0.0000247	0.000143	0.0153 (J)	0.0435	—	0.0000865	NA	NA	NA	NA	NA
RE02-07-1570	02-600386	2.0–2.5	QAL	—	0.00000405	0.0000234	—	—	—	0.0000129	0.000517 (J)	NA	—	—	—
RE02-07-1571	02-600386	4.5–5.3	QAL	—	0.00000601	0.0000353	—	0.0211 (J)	—	0.0000195	0.000447 (J+)	NA	—	—	—
RE02-07-1572	02-600387	0.0–0.5	ALLH	0.000000204 (J)	0.00000101 (J)	0.00000652	0.0317 (J)	0.0771	—	0.00000377	NA	NA	NA	NA	NA
RE02-07-1573	02-600387	2.0–2.6	QAL	0.000000156 (J)	—	0.00000155 (J)	0.0212 (J)	0.0423	—	0.000000867 (J)	0.000465 (J)	NA	—	—	—
AOC 02-011(a)(ii)															
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	0.0000574	0.000364	1.68	3.82	—	0.000175	NA	NA	NA	NA	NA
RE02-07-1877	02-600449	2.0–4.5	QAL	0.00000022 (J)	0.0000331	0.000214	0.0134 (J)	0.0353 (J)	—	0.000104	—	NA	—	—	—
RE02-07-1878	02-600449	4.5–9.5	QAL	—	0.0000019 (J)	0.0000128	—	—	—	0.00000639	—	NA	—	—	—
AOC 02-011(a)(iii)															
RE02-07-1628	02-600406	0.0–0.5	ALLH	0.000000238 (J)	0.0000115	0.0000857	0.255	0.515	—	0.0000359	NA	21 (J)	NA	NA	NA
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	—	—	—	1.59 (J)	—	—	—
RE02-07-1630	02-600406	15.0–19.5	QBO	—	—	—	—	—	—	—	—	1.59 (J)	—	—	—
RE02-07-1632	02-600407	0.0–0.5	ALLH	0.000000316 (J)	0.00000204 (J)	0.0000148	0.68	0.8 (J)	—	0.00000684	NA	20.9 (J)	NA	NA	NA
RE02-07-1633	02-600407	4.5–10.0	QAL	—	0.00000187 (J)	0.000011	0.105	0.158	—	0.00000541	—	—	—	—	—
RE02-07-1634	02-600407	10.0–15.0	QBO	—	—	—	—	—	—	—	—	—	—	—	—
RE02-07-1636	02-600408	0.0–0.5	ALLH	—	—	0.0000014 (J)	0.158	0.369	—	0.00000099 (J)	NA	10	NA	NA	NA
AOC 02-011(a)(iv)															
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	0.000000263 (J)	0.00000135 (J)	0.0286 (J)	0.0812 (J)	—	0.000000855 (J)	NA	NA	NA	NA	NA
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	—	—	0.000000101 (J)	—	NA	—	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2510	02-600563	15.0–22.5	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(v)															
RE02-07-1882	02-600450	0.0–0.5	ALLH	—	0.0000828	0.000511	0.123	0.313	—	0.00025	NA	NA	NA	NA	NA
RE02-07-1883	02-600450	4.5–10.0	QAL	—	0.000000229 (J)	0.0000011 (J)	—	—	—	0.000000712 (J)	—	NA	—	—	—
RE02-07-1886	02-600451	0.0–0.5	ALLH	NA	NA	NA	0.134	0.176	NA	NA	NA	NA	NA	NA	NA
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	0.00000047 (J)	—	—	—	0.000000539 (J)	—	NA	—	—	—

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1889	02-600451	12.5–15.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(vi)															
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	0.000000552 (J)	0.00000299	1.03	10.3	—	0.00000172	NA	NA	NA	NA	NA
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	0.000000385 (J)	—	0.013 (J)	—	—	—	NA	—	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	—	—	0.000000263 (J)	0.035	0.0982	—	—	NA	NA	NA	NA	NA
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2364	02-600533	15.0–20.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	0.156	0.279	—	0.000000124 (J)	NA	NA	NA	NA	NA
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	0.000000133 (J)	—	—	—	0.0000000866 (J)	—	NA	—	—	—
RE02-07-2369	02-600534	14.5–20.0	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
AOC 02-011(a)(viii)															
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	0.000000761 (J)	0.0402	0.0952	—	0.00000045 (J)	NA	NA	NA	NA	NA
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2422	02-600542	10.0–12.2	QAL	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	—	NA	—	—	—
RE02-07-2423	02-600543	0.0–5.0	ALLH	—	—	0.000000732 (J)	0.195	0.228	—	—	NA	NA	NA	NA	NA
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	0.000000293 (J)	0.0416	0.0726	—	—	—	NA	—	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	0.000000534 (J)	—	—	—	0.000000278 (J)	—	NA	—	—	—
AOC 02-011(a)(ix)															
RE02-07-1763	02-600431	0.0–0.5	ALLH	NA	NA	NA	0.0611	0.178	NA	NA	NA	NA	NA	NA	NA
RE02-07-1764	02-600431	7.5–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1765	02-600431	15.0–21.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1768	02-600432	0.0–0.5	ALLH	NA	NA	NA	0.317	1.3	NA	NA	NA	16.8 (J)	NA	NA	NA
RE02-07-1769	02-600432	7.5–14.0	QAL	NA	NA	NA	0.0216 (J)	0.0252 (J)	NA	NA	—	6.08	—	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	NA	NA	NA	—	—	NA	NA	—	567	—	—	—
RE02-07-6823	02-600432	24.5–29.0	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1773	02-600433	0.0–0.5	ALLH	NA	NA	NA	0.285	0.391	NA	NA	NA	NA	NA	NA	NA
RE02-07-1778	02-600434	0.0–0.5	ALLH	NA	NA	NA	0.089	0.122	NA	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1781	02-600434	7.5–16.0	QAL	NA	NA	NA	0.0488	0.0523	NA	NA	—	NA	—	—	—
RE02-07-1783	02-600435	0.0–0.5	ALLH	NA	NA	NA	0.016 (J)	0.0273 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1784	02-600435	7.5–14.5	QAL	NA	NA	NA	0.0194 (J)	0.0202 (J)	NA	NA	—	NA	0.00329	0.00101 (J)	0.000249 (J)
RE02-07-1788	02-600436	0.0–0.5	ALLH	NA	NA	NA	0.104	0.118	NA	NA	NA	NA	NA	NA	NA
RE02-07-1793	02-600437	0.0–0.5	ALLH	NA	NA	NA	0.0413	0.0665	NA	NA	NA	NA	NA	NA	NA
RE02-07-1798	02-600438	0.0–0.5	ALLH	NA	NA	NA	0.0577	0.146	NA	NA	NA	NA	NA	NA	NA
RE02-07-1799	02-600438	7.5–11.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1803	02-600439	0.0–0.5	ALLH	NA	NA	NA	0.073	0.11	NA	NA	NA	NA	NA	NA	NA
RE02-07-1804	02-600439	7.5–14.0	QAL	NA	NA	NA	0.0289 (J)	0.0666	NA	NA	—	NA	—	—	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	NA	NA	NA	0.0267 (J)	0.0366 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1809	02-600440	7.5–14.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1813	02-600441	0.0–0.5	ALLH	NA	NA	NA	0.0939	0.368	NA	NA	NA	—	NA	NA	NA
RE02-07-1814	02-600441	7.5–8.0	QAL	NA	NA	NA	—	—	NA	NA	—	2.1 (J)	—	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1818	02-600442	0.0–0.5	ALLH	NA	NA	NA	0.0438	0.0773	NA	NA	NA	NA	NA	NA	NA
RE02-07-1821	02-600442	8.0–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1820	02-600442	15.0–20.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1822	02-600443	0.0–0.5	ALLH	NA	NA	NA	0.0449	0.12	NA	NA	NA	13.8 (J)	NA	NA	NA
RE02-07-1823	02-600443	2.0–4.0	QAL	NA	NA	NA	0.0379	0.0774 (J)	NA	NA	—	77.3	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	NA	NA	NA	—	—	NA	NA	0.000362 (J)	4.33 (J)	—	—	—
RE02-07-1826	02-600443	10.0–12.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1825	02-600443	15.0–17.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-1828	02-600444	0.0–0.5	ALLH	NA	NA	NA	—	0.0954	NA	NA	NA	NA	NA	NA	NA
RE02-07-1829	02-600444	7.5–8.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1833	02-600445	0.0–0.5	ALLH	NA	NA	NA	—	0.0203 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-1835	02-600445	13.0–18.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1838	02-600446	0.0–0.5	ALLH	NA	NA	NA	—	—	NA	NA	NA	NA	NA	NA	NA
RE02-07-1839	02-600446	7.5–12.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1840	02-600446	13.0–18.0	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1843	02-600447	0.0–0.5	ALLH	NA	NA	NA	0.0587	0.13	NA	NA	NA	NA	NA	NA	NA

Table F-2.23-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Total Petroleum Hydrocarbons Diesel Range Organics	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene[1,2-]
Industrial Soil Screening Levels[b]				**na**	**na**	**na**	**20500**	**30900**	**0.00018**[h]	**na**	**252**	**200**[i]	**213**	**69.2**	**99.5**
RE02-07-1844	02-600447	8.5–13.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-1848	02-600448	0.0–0.5	ALLH	NA	NA	NA	0.0977	0.109	NA	NA	NA	NA	NA	NA	NA
AOC 02-011(a)(x)															
0402-95-0303	02-01162	0.5–0.8333	QBT2	NA	NA	NA	—	—	NA	NA	0.001 (J)	—	—	—	—
0402-95-0305	02-01162	2.5–3.5	QBT2	NA	NA	NA	—	—	NA	NA	—	125	—	—	—
0402-95-0304	02-01162	8.0–9.0	QBT2	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
0402-95-0306	02-01162	12.5–13.5	QBT2	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	NA	NA	NA	—	—	NA	NA	NA	NA	NA	NA	NA
RE02-07-3067	02-600661	0.0–0.5	ALLH	NA	NA	NA	0.437	0.485	NA	NA	NA	NA	NA	NA	NA
RE02-07-3068	02-600661	4.5–9.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3071	02-600661	11.0–14.5	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3070	02-600661	14.5–19.5	QBO	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3072	02-600662	0.0–0.5	ALLH	NA	NA	NA	0.0122 (J)	0.0184 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3073	02-600662	4.5–10.0	QAL	NA	NA	NA	—	—	NA	NA	0.00097 (J)	NA	—	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	NA	NA	NA	0.0277 (J)	0.0286 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3082	02-600664	0.0–0.5	ALLH	NA	NA	NA	0.0113 (J)	0.0182 (J)	NA	NA	NA	NA	NA	NA	NA
RE02-07-3083	02-600664	4.5–7.0	QAL	NA	NA	NA	—	—	NA	NA	—	NA	—	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	NA	NA	NA	0.0282 (J)	0.0428	NA	NA	NA	52.3 (J)	NA	NA	NA
RE02-07-3088	02-600665	4.5–7.5	QAL	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3090	02-600665	13.5–18.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	NA	NA	NA	—	—	NA	NA	—	—	—	—	—
RE02-07-3092	02-600666	0.0–0.5	ALLH	NA	NA	NA	0.189	0.33	NA	NA	NA	NA	NA	NA	NA

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

[g] Naphthalene used as a surrogate.

[h] Value from EPA region 6 (EPA 2007, 095866).

[i] Value from NMED (NMED 2006, 094614).

Table F-2.23-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(a)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
SED Background/Fallout Value[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
AOC 02-011(a)(i)											
0402-95-0314	02-01157	0.0–0.5	ALLH	—[e]	—	—	—	—	0.164012	—	—
RE02-07-1567	02-600385	2.0–3.0	QAL	—	—	—	—	—	0.0130229	—	—
AOC 02-011(a)(ii)											
RE02-07-1876	02-600449	0.0–0.5	ALLH	—	—	—	—	0.159	—	—	—
AOC 02-011(a)(iii)											
0402-95-0315	02-01158	0.0–0.5	ALLH	—	—	—	—	—	0.249883	—	—
RE02-07-1629	02-600406	4.5–13.0	QAL	—	—	—	—	—	0.0502123	—	—
RE02-07-1633	02-600407	4.5–10.0	QAL	—	—	—	—	—	0.0335758	—	—
AOC 02-011(a)(iv)											
0402-95-0316	02-01159	0.0–0.5	ALLH	—	—	—	1.19	—	0.300498	—	—
RE02-07-2508	02-600563	0.0–0.5	ALLH	—	—	—	0.762	—	0.00626353	—	—
RE02-07-2509	02-600563	4.5–10.0	QAL	—	—	—	—	—	0.0970386	—	—
RE02-07-2511	02-600563	10.0–15.0	QAL	—	—	—	—	0.0353	—	—	—
AOC 02-011(a)(v)											
RE02-07-1883	02-600450	4.5–10.0	QAL	—	—	—	—	—	0.0792198	—	—
RE02-07-1887	02-600451	4.5–10.0	QAL	—	—	—	—	—	0.0564444	—	—
RE02-07-1888	02-600451	17.0–22.0	QBO	—	—	0.303	—	—	—	—	—
AOC 02-011(a)(vi)											
0402-95-0309	02-01149	0.0–1.0	ALLH	—	—	—	—	0.124	0.0661905	—	—
RE02-07-2357	02-600532	0.0–0.5	ALLH	—	—	—	3.66	—	—	—	—
RE02-07-2359	02-600532	4.5–9.5	QAL	—	—	—	—	0.164	0.0336043	—	—
RE02-07-2361	02-600532	9.5–12.5	QAL	—	—	—	—	0.149	—	—	—
RE02-07-2362	02-600533	0.0–0.5	ALLH	0.0924	—	—	—	0.182 (J-)	—	—	—
RE02-07-2363	02-600533	4.5–10.0	QAL	—	—	—	—	—	0.0369992	—	—
RE02-07-2365	02-600533	10.0–15.0	QAL	—	—	—	—	—	0.0367991	—	—
RE02-07-6828	02-600534	0.0–0.5	ALLH	—	—	—	—	0.073	—	—	—
RE02-07-2368	02-600534	4.5–14.5	QAL	—	—	—	—	0.165 (J-)	—	—	—
AOC 02-011(a)(viii)											
CA02-00-0192	02-01152	0.0–0.5	SED	—	—	—	0.598	1.87	0.278969 (J+)	—	—
0402-95-0313	02-01152	0.0–1.0	SED	—	—	—	0.38	0.184	0.209955	—	—
RE02-03-51824	02-22351	4.0–4.5	ALLH	—	—	0.169	—	0.0508	0.0372	—	—

Table F-2.23-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO Background/Fallout Value[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
RE02-03-51826	02-22352	3.0–3.5	ALLH	—	—	0.432	0.0519	—	0.14	—	—
RE02-03-51827	02-22352	4.5–5.0	ALLH	—	—	—	—	—	0.659	—	—
RE02-03-51866	02-22372	4.0–4.5	ALLH	—	—	—	—	—	0.773	—	—
RE02-03-51867	02-22372	5.5–6.0	ALLH	—	—	—	—	—	0.548	—	—
RE02-03-51868	02-22373	4.0–4.5	ALLH	—	—	—	—	—	0.487	—	—
RE02-03-51869	02-22373	5.5–6.0	ALLH	—	—	—	—	—	0.0893	—	—
RE02-03-51870	02-22374	3.0–3.5	ALLH	—	—	—	—	—	0.679	—	—
RE02-03-51871	02-22374	4.5–5.0	ALLH	—	—	—	—	—	0.43	—	—
RE02-07-2419	02-600542	0.0–0.5	ALLH	—	—	—	—	—	0.0207542	—	—
RE02-07-2420	02-600542	4.5–6.7	QAL	—	—	—	—	—	0.114549	—	—
RE02-07-2421	02-600542	15.0–17.4	QBO	—	—	—	—	—	—	—	0.195
RE02-07-2425	02-600543	9.5–11.0	QAL	—	—	—	—	—	0.0437816	—	—
RE02-07-2426	02-600543	19.5–22.0	QBO	—	—	—	—	—	0.0996667	—	—
AOC 02-011(a)(ix)											
CA02-00-0320	02-01150	0.0–0.5	SED	—	—	—	—	1.66	—	—	—
0402-95-0310	02-01150	0.0–1.0	SED	—	—	—	—	0.301	0.215615	—	—
CA02-00-0323	02-01150	2.3–2.7	SED	—	—	—	—	0.82	—	2.66	—
RE02-03-51820	02-22349	4.0–4.5	ALLH	—	—	—	—	—	0.0137	—	—
RE02-03-51821	02-22349	5.5–6.0	ALLH	—	—	—	—	0.0358	0.0087	—	—
RE02-03-51856	02-22367	3.5–4.0	ALLH	—	—	0.0971	—	—	0.004	—	—
RE02-03-51857	02-22367	5.0–5.5	ALLH	—	—	—	—	—	0.0353	—	—
RE02-07-1763	02-600431	0.0–0.5	ALLH	—	—	—	—	—	0.0458426	—	—
RE02-07-1769	02-600432	7.5–14.0	QAL	—	—	—	—	—	0.0247832	—	—
RE02-07-1770	02-600432	14.0–19.0	QBO	—	—	—	—	—	—	—	0.232
RE02-07-6823	02-600432	24.5–29.0	QBO	—	—	—	—	—	0.071641	—	—
RE02-07-1784	02-600435	7.5–14.5	QAL	—	—	—	—	—	0.168751	—	—
RE02-07-1785	02-600435	14.5–19.0	QBO	—	—	—	—	—	—	—	0.189
RE02-07-1794	02-600437	7.5–8.8	QAL	—	—	—	—	—	0.0674906	—	—
RE02-07-1799	02-600438	7.5–11.0	QAL	—	—	—	—	—	0.133842	—	—
RE02-07-1808	02-600440	0.0–0.5	ALLH	—	—	—	—	—	0.0195434	—	—
RE02-07-1809	02-600440	7.5–14.0	QAL	—	—	0.137	—	—	0.101618	—	—
RE02-07-1816	02-600441	10.0–15.0	QAL	—	—	—	—	—	—	—	0.261
RE02-07-1820	02-600442	15.0–20.0	QBO	—	—	—	—	—	0.0513659	—	—

Table F-2.23-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO Background/Fallout Value[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**
RE02-07-1823	02-600443	2.0–4.0	QAL	—	—	0.202	—	0.0794	—	—	—
RE02-07-1824	02-600443	4.0–8.0	QAL	—	—	0.0889	—	—	0.0317071	—	—
RE02-07-1830	02-600444	13.5–20.5	QBO	—	0.235	—	—	—	—	—	—
RE02-07-1836	02-600445	26.0–28.5	QBO	—	—	—	—	—	—	—	0.197
RE02-07-1849	02-600448	7.5–14.0	QAL	—	—	—	—	—	0.0402612	—	—
AOC 02-011(a)(x)											
CA02-00-0193	02-01153	0.0–0.5	SED	—	—	—	—	1.67 (J-)	0.104333 (J+)	—	—
0402-95-0318	02-01153	0.0–1.0	SED	—	—	—	—	0.289	0.115	—	—
CA02-00-0198	02-01153	2.2–2.5	SED	—	—	—	—	1.15	—	—	—
RE02-03-51814	02-22346	4.0–4.5	ALLH	—	—	—	—	—	0.031	—	—
RE02-03-51815	02-22346	5.5–6.0	ALLH	—	—	—	—	—	0.0344	—	—
RE02-03-51816	02-22347	4.0–4.5	ALLH	—	—	—	—	—	0.0207	—	—
RE02-03-51817	02-22347	5.5–6.0	ALLH	—	—	0.0415	—	—	—	—	—
RE02-03-51818	02-22348	5.5–6.0	ALLH	—	—	—	—	—	0.0158	—	—
RE02-03-51819	02-22348	7.0–7.5	ALLH	—	—	—	—	—	0.0282	—	—
RE02-03-51858	02-22368	2.5–3.0	ALLH	—	—	0.121	—	—	—	—	—
RE02-03-51859	02-22368	4.0–4.5	ALLH	—	—	—	—	—	0.0542	—	—
RE02-03-51882	02-22380	2.5–3.0	ALLH	—	—	—	—	—	0.148	—	—
RE02-03-51883	02-22380	4.0–4.5	ALLH	—	—	—	—	—	0.0131	—	—
RE02-07-3062	02-600660	0.0–0.5	ALLH	—	—	—	—	0.057	0.00498927	—	—
RE02-07-3068	02-600661	4.5–9.5	QAL	—	—	—	—	—	0.0194178	—	—
RE02-07-3073	02-600662	4.5–10.0	QAL	—	—	—	—	—	0.0166154	—	—
RE02-07-3077	02-600663	0.0–0.5	ALLH	—	—	—	—	0.1	0.017719	—	—
RE02-07-3078	02-600663	4.5–10.0	QAL	—	—	—	—	—	0.0792273	—	—
RE02-07-3080	02-600663	14.0–16.0	QBO	—	—	—	—	—	0.0570732	—	—
RE02-07-3083	02-600664	4.5–7.0	QAL	—	—	—	—	—	0.0422697	—	—
RE02-07-6834	02-600664	19.5–24.5	QBO	—	—	—	—	—	0.125759	—	—
RE02-07-3087	02-600665	0.0–0.5	ALLH	—	—	—	—	0.0783	0.00416427	—	—
RE02-07-6835	02-600665	19.5–23.5	QBO	—	—	—	—	—	—	—	0.194
RE02-07-3092	02-600666	0.0–0.5	ALLH	—	—	—	—	0.785	—	—	—

Table F-2.23-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**na[c]**	**1.65**	**na**	**0.054**	**na**	**2.59**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**
QBO Background/Fallout Value[b]				**0.04**	**na**	**0.9**	**na**	**0.068**	**0.093**	**2.59**	**0.2**
Industrial Screening Action Levels[d]				**180**	**9.7**	**23**	**5.1**	**210**	**440000**	**1500**	**87**

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.24-1
Summary of Inorganic Chemicals above BV at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Cadmium	Chromium	Chromium hexavalent ion	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Selenium	Uranium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**0.4**	**19.3**	**na[b]**	**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**	**1.52**	**1.82**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**0.4**	**2.6**	**na**	**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**0.3**	**0.72**	**40**
QBT3 Background Value[a]				**7340**	**2.79**	**1.63**	**7.14**	**na**	**14500**	**11.2**	**482**	**0.1**	**6.58**	**na**	**0.3**	**2.4**	**63.5**
SED Background Value[a]				**15400**	**3.98**	**0.4**	**10.5**	**na**	**13800**	**19.7**	**543**	**0.1**	**9.38**	**na**	**0.3**	**2.22**	**60.2**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**564**	**5000[d]**	**3400**	**100000**	**800**	**48400**	**340[d]**	**22700**	**100000**	**5680**	**200[e]**	**100000**
CA02-00-0309	02-01239	3.0–4.0	ALLH	—[f]	—	—	—	NA[g]	—	—	—	—	—	NA	—	6.83	55
CA02-00-0311	02-01239	11.5–13.0	ALLH	—	—	—	37	NA	—	—	—	—	20	NA	—	—	—
CA02-00-0312	02-01239	14.0–15.0	QBT3	8100 (J-)	—	—	—	NA	—	—	—	—	—	NA	0.32 (U)	—	—
RE02-07-892	02-600211	0.0–0.5	SED	—	—	—	—	0.454 (J)	—	21.2	—	0.461 (J-)	—	2.28 (J)	0.845 (J)	NA	70.1 (J)
RE02-07-897	02-600212	0.0–0.5	SED	—	—	—	—	0.693 (J)	—	20.8	—	0.193 (J-)	—	2.11 (J)	1.55 (U)	NA	64.1 (J)
RE02-07-902	02-600213	0.0–0.5	SED	—	—	—	—	0.602 (J)	—	23.2	—	0.123 (J-)	—	5.02 (J)	1.55 (U)	NA	65.2 (J)
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.503 (U)	—	0.0852 (J)	—	—	—	—	—	1.98 (J)	1.51 (U)	NA	64.2 (J)
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	0.502 (U)	—	0.171 (J)	—	—	—	—	—	—	—	NA	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	0.512 (U)	—	0.176 (J)	—	—	—	—	—	3.48 (J)	1.54 (U)	NA	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	—	—	—	—	—	—	0.174	—	1.43	2.09	NA	52.4
RE02-07-916	02-600215	9.5–11.4	QAL	—	—	0.553 (U)	—	0.0804 (J)	—	—	980 (J+)	—	—	—	3.71	NA	—
RE02-07-915	02-600215	14.5–16.7	QBO	6720	0.64 (J)	0.616 (U)	—	—	5510	—	—	—	2.46 (J+)	—	1.43 (J)	NA	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] EPA Region 9 (http://www.epa.gov/region09/waste/sfund/prg/index.html#prgtable).

[f] — = Analyte not reported (detect or nondetect) above BV or not detected.

[g] NA = Not analyzed.

Table F-2.24-2
Summary of Organic Chemicals Detected at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**	**234**
RE02-07-892	02-600211	0.0–0.5	SED	—[c]	0.0127 (J)	0.103	0.15	0.0937	0.111 (J)	0.169 (J)	0.0604 (J)	0.0581 (J)
RE02-07-897	02-600212	0.0–0.5	SED	—	0.0138 (J)	0.153	0.212	0.0843	0.113	0.163	0.085	—
RE02-07-902	02-600213	0.0–0.5	SED	0.0321 (J)	0.0453	0.159	0.191	0.112	0.119 (J)	0.144 (J)	0.0901 (J)	0.0782 (J)
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.0043	0.0045	0.0119 (J)	—	0.0143 (J)	—	—
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	0.0283	0.022	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	0.0194 (J)	—	—	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	0.0248	0.0139	—	—	0.0128 (J)	—	—

Table F-2.24-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene
Industrial Soil Screening Levels[b]				**1370**	**2310**	**24400**	**26500**	**23.4**	**300[d]**	**300**	**20500**	**30900**
RE02-07-892	02-600211	0.0–0.5	SED	—	0.107	0.171	—	0.051 (J)	—	—	0.0736	0.167
RE02-07-897	02-600212	0.0–0.5	SED	—	0.121	0.205	—	0.0747	—	—	0.093	0.176
RE02-07-902	02-600213	0.0–0.5	SED	0.137 (J)	0.114	0.19	0.0244 (J)	0.0792 (J)	0.0151 (J)	0.0239 (J)	0.158	0.21
RE02-07-907	02-600214	0.0–0.5	SED	—	—	0.0161 (J)	—	—	—	—	—	0.0136 (J)
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	—	—	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	—	—	—	—	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	—	0.0109 (J)	—	—	—	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

Table F-2.24-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(b)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Strontium-90[a]	Tritium[a]	Uranium-234	Uranium-235	Uranium-238
ALLH/QAL Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**1.31**	**na[c]**	**2.59**	**0.2**	**2.29**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**4**	**0.18**	**3.9**
QBT2/QBT3 Background/Fallout Value[b]				**na**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
SED Background/Fallout Value[b]				**0.04**	**0.9**	**0.006**	**0.068**	**1.04**	**0.093**	**2.59**	**0.2**	**2.29**
Industrial Screening Action Levels[d]				**180**	**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
0402-95-0282	02-01107	0.0–1.0	ALLH	—[e]	0.55	—	0.695	—	0.121982	—	—	—
0402-95-0283	02-01110	0.0–1.0	QBT2	—	—	—	0.017	—	0.0940286	—	—	—
0402-95-0284	02-01110	4.0–5.0	QBT2	—	21.69	—	1.321	2.4	0.174545	2.3	0.24	2.26
0402-95-0285	02-01110	7.5–8.5	QBT2	—	0.64	—	0.016	0.39	0.108571	—	—	—
0402-95-0286	02-01110	11.0–12.0	QBT2	—	—	—	—	—	0.384894	—	—	—
CA02-00-0308	02-01239	0.0–1.0	SED	—	—	—	0.289	—	—	—	—	—
CA02-00-0309	02-01239	3.0–4.0	ALLH	—	16.7	0.0255	4.41	2.46	0.0867606	6.33	0.248 (J-)	6.09
CA02-00-0310	02-01239	6.0–7.0	ALLH	0.0803	0.102	—	0.187	0.741	—	—	—	—
CA02-00-0311	02-01239	11.5–13.0	ALLH	—	0.107	—	0.107	—	0.0583937	—	—	—
CA02-00-0312	02-01239	14.0–15.0	QBT3	—	—	—	—	—	0.0767308	2.51	0.094	2.44
RE02-07-892	02-600211	0.0–0.5	SED	—	—	—	0.502	—	—	—	—	—
RE02-07-897	02-600212	0.0–0.5	SED	—	—	—	0.605	—	—	—	—	—
RE02-07-902	02-600213	0.0–0.5	SED	—	23.3	—	0.845	—	—	—	—	—
RE02-07-907	02-600214	0.0–0.5	SED	—	—	—	0.135	—	—	—	—	—
RE02-07-912	02-600215	0.0–0.5	ALLH	—	—	—	0.133	—	—	—	—	—
RE02-07-913	02-600215	2.0–2.4	QAL	—	6.38	—	0.75	0.563	—	—	—	—
RE02-07-914	02-600215	4.5–6.7	QAL	—	5.92	—	1.84	0.625	—	3.68	0.274	3.52
RE02-07-915	02-600215	14.5–16.7	QBO	—	—	—	—	—	—	—	0.224	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.25-1
Summary of Inorganic Chemicals above BV at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Arsenic	Barium	Cadmium	Iron	Nitrate	Perchlorate	Selenium	Zinc
ALLH/QAL Background Value[a]				**29200**	**8.17**	**295**	**0.4**	**21500**	**na[b]**	**na**	**1.52**	**48.8**
QBO Background Value[a]				**3560**	**0.56**	**25.7**	**0.4**	**3700**	**na**	**na**	**0.3**	**40**
Industrial Soil Screening Levels[c]				**100000**	**17.7**	**100000**	**564**	**100000**	**100000**	**790[d]**	**5680**	**100000**
RE02-07-2563	02-600573	0.0–0.5	ALLH	—[e]	—	—	—	—	—	—	—	65.2
RE02-07-2564	02-600573	4.5–9.0	QAL	—	—	—	0.535 (U)	—	31.9	0.000559 (J)	1.61 (U)	—
RE02-07-2565	02-600573	9.0–16.0	QAL	—	—	—	0.529 (U)	—	1.84	—	1.7	—
RE02-07-2566	02-600573	16.0–19.5	QBO	9810	0.892 (J)	27.7	0.597 (U)	4910	—	—	1.52 (J)	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.25-2
Summary of Organic Chemicals Detected at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Di-n-butylphthalate	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]
Industrial Soil Screening Levels[a]				**8.26**	**8.26**	**23.4**	**68400**	**24400**	**na**[b]	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE02-07-2563	02-600573	0.0–0.5	ALLH	0.0518	0.12	0.0137 (J)	—[c]	0.0143 (J)	0.000532	0.000132	0.0000156	0.00000376	0.0000163	0.00000815	0.00000519	0.0000012 (J)
RE02-07-2564	02-600573	4.5–9.0	QAL	—	—	—	—	—	0.00000225 (J)	0.000000865 (J)	0.000000147 (J)	—	—	—	0.000000135 (J)	—
RE02-07-2565	02-600573	9.0–16.0	QAL	—	—	—	—	—	0.000000504 (J)	0.000000405 (J)	—	—	—	—	—	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	—	—	0.043 (J)	—	0.000000119 (J)	—	—	—	—	—	—	—

Table F-2.25-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzodioxin[1,2,3,7,8-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Pyrene	Tetrachlorodibenzodioxin[2,3,7,8-]	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene
Industrial Soil Screening Levels[a]				**na**	**na**	**na**	**na**	**na**	**na**	**30900**	**0.00018**[d]	**na**	**252**
RE02-07-2563	02-600573	0.0–0.5	ALLH	0.00000674	0.00536	0.000272 (J)	0.00000119 (J)	0.000000881 (J)	0.00000262	0.0177 (J)	0.000000661	0.00000126	NA[e]
RE02-07-2564	02-600573	4.5–9.0	QAL	0.0000000823 (J)	0.0000162	0.00000154 (J)	—	0.0000000726 (J)	0.0000000472 (J)	—	—	—	0.000674 (J)
RE02-07-2565	02-600573	9.0–16.0	QAL	—	0.00000319 (J)	0.000000502 (J)	—	—	—	—	—	0.0000000981 (J)	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	—	0.000000143 (J)	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[b] na = Not available.

[c] — = Analyte not detected.

[d] Value from EPA region 6 (EPA 2007, 095866).

[e] NA = Not analyzed.

Table F-2.25-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(c)

Sample ID	Location ID	Depth (ft)	Media	Strontium-90[a]	Tritium[a]
QAL Background/Fallout Value[b]				**1.31**	**na[c]**
QBO Background/Fallout Value[b]				**na**	**na**
Industrial Screening Action Levels[d]				**1900**	**440000**
RE02-07-2564	02-600573	4.5–9.0	QAL	—[e]	0.0307778
RE02-07-2565	02-600573	9.0–16.0	QAL	0.263	—
RE02-07-2566	02-600573	16.0–19.5	QBO	—	0.0669512

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.26-1
Summary of Inorganic Chemicals above BV at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Arsenic	Cadmium	Calcium	Chromium	Chromium hexavalent ion	Copper	Lead	Nitrate	Perchlorate	Silver	Zinc
ALLH/QAL Background Value[a]				**8.17**	**0.4**	**6120**	**19.3**	**na[b]**	**14.7**	**22.3**	**na**	**na**	**1**	**48.8**
SED Background Value[a]				**3.98**	**0.4**	**4420**	**10.5**	**na**	**11.2**	**19.7**	**na**	**na**	**1**	**60.2**
Industrial Soil Screening Levels[c]				**17.7**	**564**	**na**	**5000[d]**	**3400**	**45400**	**800**	**100000**	**790[d]**	**5680**	**100000**
CA02-00-0319	02-01247	0.0–0.5	SED	8.7	0.69 (J+)	11000	240	NA[e]	41	35	NA	NA	—[f]	190 (J+)
CA02-00-0324	02-01248	0.0–0.5	SED	—	—	—	61	NA	—	24	NA	NA	1.1	92 (J+)
RE02-07-2571	02-600574	0.0–0.5	ALLH	—	—	—	27.1	—	27.7	44.4	—	0.00111 (J)	—	134
RE02-07-2572	02-600574	2.0–2.5	QAL	—	—	—	38.2	0.775	16.3 (J)	27.9 (J)	3.32 (J-)	0.000995 (J)	—	113

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] NA = Not analyzed.

[f] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-2.26-2
Summary of Organic Chemicals Detected at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]
Industrial Soil Screening Levels[b]				**33500**	**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**30900**
RE02-07-2571	02-600574	0.0–0.5	ALLH	0.0223 (J)	0.0286 (J)	0.12 (J+)	0.0831 (J+)	0.082	0.103	0.129	0.0544
RE02-07-2572	02-600574	2.0–2.5	QAL	—[c]	—	0.0881 (J+)	0.0665 (J+)	—	—	0.0195 (J)	—

Table F-2.26-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene
Industrial Soil Screening Levels[b]				**2310**	**24400**	**26500**	**23.4**	**300[d]**	**300**	**20500**	**30900**
RE02-07-2571	02-600574	0.0–0.5	ALLH	0.0917	0.153	0.0181 (J)	0.0482	0.00869 (J)	0.0164 (J)	0.13	0.159
RE02-07-2572	02-600574	2.0–2.5	QAL	0.0116 (J)	0.0192 (J)	—	—	—	—	0.0121 (J)	0.0192 (J)

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] Naphthalene used as a surrogate.

Table F-2.26-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-011(d)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137[a]	Cobalt-60	Plutonium-239/240[a]	Tritium[a]	Uranium-234
ALLH/QAL Background/Fallout Value[b]				**1.65**	**na[c]**	**0.054**	**na**	**2.59**
SED Background/Fallout Value[b]				**0.9**	**na**	**0.068**	**0.093**	**2.59**
Industrial Screening Action Levels[d]				**23**	**5.1**	**210**	**440000**	**1500**
0402-95-0311	02-01151	0.0–1.0	ALLH	0.79	1.66	0.139	0.103046	2.87
0402-95-0320	02-01155	0.0–0.5	ALLH	—[e]	—	0.463	0.074978	—
0402-95-0321	02-01155	1.0–2.0	ALLH	0.2	—	0.512	0.0688987	—
CA02-00-0319	02-01247	0.0–0.5	SED	—	0.471	0.608	—	2.66
CA02-00-0324	02-01248	0.0–0.5	SED	—	0.0702	1.28	—	—
RE02-07-2571	02-600574	0.0–0.5	ALLH	1.66	2.19	0.397	0.00929508	—
RE02-07-2572	02-600574	2.0–2.5	QAL	1.1	1.35	0.574 (J-)	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-2.28-1
Summary of Inorganic Chemicals above BV at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Cyanide (Total)
ALLH/QAL Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**0.4**	**19.3**	**14.7**	**0.5**
QBO Background Value[a]				**3560**	**0.5**	**0.56**	**25.7**	**0.4**	**2.6**	**3.96**	**0.5**
Industrial Soil Screening Levels[b]				**100000**	**454**	**17.7**	**100000**	**564**	**5000**[c]	**45400**	**13700**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—[d]	—	—	—	0.883	—	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	—	—	—	0.538 (U)	—	—	—
RE02-07-1729	02-600418	14.0–19.0	QBO	4000 (J+)	—	1.27 (J)	—	0.568 (U)	6.64 (U)	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	—	—	—	0.539 (U)	—	—	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	—	—	0.549 (U)	—	—	—
RE02-07-1735	02-600419	9.0–16.0	QBO	5260 (J+)	0.506 (UJ)	1.7 (J)	—	0.63 (U)	7.58 (U)	—	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	—	—	—	0.528 (U)	—	—	—
RE02-07-1738	02-600420	4.5–9.0	QAL	—	—	—	—	—	—	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	7200 (J+)	—	1.73	47.1 (J)	0.574 (U)	14.8	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	—	—	—	0.518 (U)	—	—	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	0.563 (U)	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	0.557 (U)	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	9570	—	1.56 (J)	39.9	0.573 (U)	3.55 (U)	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	—	0.499 (U)	—	—	—
RE02-07-1899	02-600453	4.5–10.0	QAL	—	—	—	—	—	—	43	—
RE02-07-1901	02-600453	10.0–20.0	QBO	5550	—	1.97	27.6	0.57 (U)	27.1	104	0.69
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	—	—	—	—	—	—	—
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	—	—	0.548 (U)	—	—	—
RE02-07-1906	02-600454	9.5–16.0	QBO	9280	—	2.63	92.7	0.574 (U)	4.48 (U)	3.98 (U)	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	—	—	—	0.514 (U)	—	—	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	0.53 (U)	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	3870	—	1.21 (J)	—	0.569 (U)	26	4.28 (U)	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	—	—	0.496 (U)	—	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	—	—	—	—	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	9770	—	1.04 (J)	45.7 (J-)	0.592 (U)	16.7 (J)	4.05	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	—	—	0.504 (U)	—	—	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	—	—	0.538 (U)	—	—	—
RE02-07-2083	02-600486	16.0–21.0	QBO	6820	0.508 (UJ)	0.712 (J)	—	0.619 (U)	3.96	—	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	—	—	—	0.493 (U)	—	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	—	—	0.525 (U)	—	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	8930	—	0.69 (J)	—	0.566 (U)	7.86	—	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	—	—	0.503 (U)	35.5 (J)	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	0.525 (U)	—	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	9800	—	1.78 (J)	39.1 (J-)	0.598 (U)	8.69 (J)	—	—
RE02-07-6821	02-600420	14.5–19.0	QBO	5230 (J+)	0.51 (U)	1.94 (U)	—	0.648 (U)	9.68 (J+)	—	—

Table F-2.28-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na[e]**	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[b]				**100000**	**800**	**48400**	**340[c]**	**22700**	**100000**	**790[c]**	**5680**	**1140**	**100000**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—	—	—	1.21	—	—	—	—	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	—	—	—	—	2.6 (J-)	0.00174 (J)	2.67	—	—
RE02-07-1729	02-600418	14.0–19.0	QBO	4810	—	—	—	—	—	—	0.945 (J)	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	23.4	—	0.201	—	1.22 (J-)	—	—	—	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	—	—	—	7.39 (J-)	0.000582 (J)	—	—	—
RE02-07-1735	02-600419	9.0–16.0	QBO	6380	—	250	—	—	—	—	1.95	5.76	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	—	—	0.229	—	—	—	—	—	69.9
RE02-07-1738	02-600420	4.5–9.0	QAL	—	—	—	—	—	5.8 (J-)	—	1.73	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	5500	—	203	—	2.71 (J)	1.1 (J-)	—	1.93	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	—	—	0.194	—	1.27	0.00172 (J)	—	—	52.7
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	1.15 (J+)	—	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	7290 (J-)	—	425	—	2.08	—	—	1.57 (J)	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	—	—	2.39	—	2.1	—	56.9
RE02-07-1899	02-600453	4.5–10.0	QAL	—	—	—	—	—	1.8 (J+)	—	—	—	183
RE02-07-1901	02-600453	10.0–20.0	QBO	7830 (J-)	—	300	—	2.78	—	—	1.22 (J)	6.84	56.8
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	—	—	—	—	1.21 (J+)	—	—	—	560
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1906	02-600454	9.5–16.0	QBO	8160 (J-)	—	688	—	3.38	—	—	1.64 (J)	6.95	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	—	—	—	—	—	0.000624 (J)	2.33	—	63.3
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	—	6.92 (J+)	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	5810 (J-)	—	203	—	2.81	1.64	—	1.44 (J)	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	—	4.65 (J)	—	1.33	—	—	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	—	0.212	—	1.05 (J)	—	—	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	6980	—	293 (J)	—	2.55	—	—	1.78 (U)	6.49	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	—	2.49 (J)	—	—	0.000514 (J)	—	—	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	—	—	—	—	—	1.61 (U)	—	—
RE02-07-2083	02-600486	16.0–21.0	QBO	5720	—	244 (J+)	—	—	—	—	1.86 (U)	—	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	—	—	0.67 (J)	—	—	—	—	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	—	—	—	0.847 (J-)	—	1.58 (U)	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	5210 (J)	—	192 (J+)	—	—	—	—	0.689 (J)	—	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	—	0.408 (J)	—	—	—	—	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	1.04 (J)	—	1.57 (U)	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	6840	—	473 (J)	—	2.85	—	—	0.873 (J)	6.72	—
RE02-07-6821	02-600420	14.5–19.0	QBO	4840	—	—	—	—	—	—	6.41	—	—

Table F-2.28-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Iron	Lead	Manganese	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Vanadium	Zinc
ALLH/QAL Background Value[a]				**21500**	**22.3**	**671**	**0.1**	**15.4**	**na**[e]	**na**	**1.52**	**39.6**	**48.8**
QBO Background Value[a]				**3700**	**13.5**	**189**	**0.1**	**2**	**na**	**na**	**0.3**	**4.59**	**40**
Industrial Soil Screening Levels[b]				**100000**	**800**	**48400**	**340**[c]	**22700**	**100000**	**790**[c]	**5680**	**1140**	**100000**

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] EPA Region 6 (EPA 2007, 095866).

[d] — = Analyte not reported (detect or nondetect) above BV or not detected.

[e] na = Not available.

Table F-2.28-2
Summary of Organic Chemicals Detected at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Chloroform	Chrysene	Di-n-butylphthalate	Dibenzofuran
Industrial Soil Screening Levels[b]				**33500**	**100000**	**23.4**	**2.34**	**23.4**	**30900**	**9.59**	**2310**	**68400**	**1620**
RE02-07-1727	02-600418	0.0–0.5	ALLH	0.0379	0.0533	0.0932	0.0973	0.151	—[c]	NA[d]	0.0938	—	—
RE02-07-1728	02-600418	4.5–9.0	QAL	—	0.0273 (J)	0.107	0.0963	0.165	0.0508	—	0.115	—	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	0.181	0.282	0.477	0.537	0.787	0.186	NA	0.466	—	0.109 (J)
RE02-07-1733	02-600419	4.5–9.0	QAL	0.152	0.207	0.313	0.345	0.562	0.134	—	0.359	—	0.108 (J)
RE02-07-1735	02-600419	9.0–16.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	0.0287 (J)	0.0481	0.147	0.166	0.271	0.0818	NA	0.141	—	—
RE02-07-1738	02-600420	4.5–9.0	QAL	0.0443 (J)	0.0846	0.226	0.273	0.502	0.115	—	0.298	—	—
RE02-07-1740	02-600420	9.0–14.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	0.00779 (J)	0.044	0.043 (J)	0.0681 (J)	—	NA	0.0491	0.0385 (J)	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1896	02-600452	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	—	0.0216 (J)	0.0406	—	NA	0.024 (J)	0.037 (J)	—
RE02-07-1899	02-600453	4.5–10.0	QAL	—	0.0157 (J)	0.13	0.123	0.151	0.0642	—	0.129	—	—
RE02-07-1901	02-600453	10.0–20.0	QBO	—	—	0.0177 (J)	0.0143 (J)	0.0161 (J)	—	—	0.018 (J)	—	—
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	0.0105 (J)	0.09	0.103	0.165	0.0647 (J)	NA	0.114	—	—
RE02-07-1908	02-600455	0.0–0.5	ALLH	0.026 (J)	0.0373	—	0.127	0.229	0.0552	NA	0.112	—	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	—	—	—	—	—	—	—	—	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	0.0371	0.0631	0.161	—	0.253 (J)	—	NA	0.151	—	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	0.0334 (J)	0.092	0.164 (J)	0.141 (J)	0.0791 (J)	—	0.0935	—	—
RE02-07-2078	02-600485	14.0–19.0	QBO	—	—	—	—	—	—	0.000245 (J)	—	—	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	0.0238 (J)	0.0644	0.331	0.298 (J)	0.593 (J)	—	NA	0.349	0.049 (J)	—
RE02-07-2081	02-600486	4.5–9.0	QAL	—	—	0.0142 (J)	—	0.0112 (J)	—	—	—	0.0678 (J)	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	0.0116 (J)	0.0254 (J)	0.162 (J)	—	0.325 (J)	—	NA	0.168 (J)	—	—
RE02-07-2086	02-600487	4.5–7.5	QAL	—	—	0.0289 (J-)	0.0164 (J-)	0.0255 (J-)	—	—	0.025 (J-)	—	—
RE02-07-2088	02-600487	15.0–19.0	QBO	—	—	—	—	—	—	—	—	0.0536 (J)	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	0.0761	0.118	0.2	0.244 (J)	0.397 (J)	—	NA	0.193	—	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	—	—	—	—	—
RE02-07-2093	02-600488	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—	—

Table F-2.28-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Dichlorobenzene[1,4-]	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylene Chloride	Methylnaphthalene[2-]	Naphthalene	Phenanthrene	Pyrene	Total Petroleum Hydrocarbons Diesel Range Organics	Trichloroethene
Industrial Soil Screening Levels[b]				**103**	**24400**	**26500**	**23.4**	**490**	**300**[e]	**300**	**20500**	**30900**	**200**[f]	**1.56**
RE02-07-1727	02-600418	0.0–0.5	ALLH	—	0.201	0.0347 (J)	—	NA	0.0262 (J)	0.0445	0.19	0.225	12.4 (J)	NA
RE02-07-1728	02-600418	4.5–9.0	QAL	0.000252 (J)	0.304	—	—	—	—	—	0.112	0.22	42.4	—
RE02-07-1732	02-600419	0.0–0.5	ALLH	—	1.03	0.164	0.189	NA	0.0975	0.213	0.977	0.968	18.4	NA
RE02-07-1733	02-600419	4.5–9.0	QAL	—	0.783	0.144	—	—	0.14	0.381	0.753	0.757	15.5 (J)	—
RE02-07-1735	02-600419	9.0–16.0	QBO	—	—	—	—	0.00416 (J)	—	—	—	—	1.82 (J)	—
RE02-07-1737	02-600420	0.0–0.5	ALLH	—	0.268	0.0214 (J)	—	NA	0.0106 (J)	0.0188 (J)	0.177	0.292	26.7	NA
RE02-07-1738	02-600420	4.5–9.0	QAL	—	0.59	—	0.101	0.00217 (J)	—	0.0328 (J)	0.296	0.603	30.6 (J)	—
RE02-07-1740	02-600420	9.0–14.0	QBO	—	0.0184 (J)	—	—	0.00251 (J)	—	—	—	0.0169 (J)	—	—
RE02-07-1893	02-600452	0.0–0.5	ALLH	—	0.103	—	—	NA	—	—	0.0392	0.105	17.3	NA
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	—	—	—	—	—	—	—	2.07 (J)	—
RE02-07-1897	02-600452	10.0–15.0	QAL	—	—	—	—	0.00249 (J)	—	—	—	—	4.47 (J)	—
RE02-07-1896	02-600452	15.0–20.0	QBO	—	—	—	—	—	—	—	—	—	3.36 (J)	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	0.0419	—	—	NA	—	—	0.015 (J)	0.0387	4.91	NA
RE02-07-1899	02-600453	4.5–10.0	QAL	—	0.157	—	0.0638	—	—	—	0.0284 (J)	0.116	3.91	—
RE02-07-1901	02-600453	10.0–20.0	QBO	—	0.0207 (J)	—	—	—	—	—	—	0.0147 (J)	2.13 (J)	—
RE02-07-1903	02-600454	0.0–0.5	ALLH	—	0.248	—	0.0686 (J)	NA	—	—	0.0678	0.173	—	NA
RE02-07-1908	02-600455	0.0–0.5	ALLH	—	0.248	0.0194 (J)	0.0562	NA	0.0135 (J)	0.0111 (J)	0.16	0.244	16.7 (J)	NA
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	—	—	0.00233 (J)	—	—	—	—	—	—
RE02-07-1911	02-600455	10.0–17.0	QBO	—	—	—	—	0.00235 (J)	—	—	—	—	—	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	0.26	0.0314 (J)	—	NA	0.0171 (J)	0.036	0.212	0.41	20.3 (J)	NA
RE02-07-2076	02-600485	4.5–12.0	QAL	—	0.142	—	0.087 (J)	—	—	0.0147 (J)	0.0803	0.176	9.21	—
RE02-07-2078	02-600485	14.0–19.0	QBO	—	—	—	—	—	—	—	—	—	1.72 (J)	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	0.445	0.0171 (J)	—	NA	—	—	0.204	0.7	74.7	NA
RE02-07-2081	02-600486	4.5–9.0	QAL	—	0.0156 (J)	—	—	—	—	—	—	0.0147 (J)	1.89 (J)	—
RE02-07-2085	02-600487	0.0–0.5	ALLH	—	0.203	—	—	NA	—	—	0.0887	0.403 (J)	128	NA
RE02-07-2086	02-600487	4.5–7.5	QAL	—	0.0398 (J-)	—	—	—	—	—	0.0155 (J-)	0.046 (J-)	10.5	0.000635 (J)
RE02-07-2088	02-600487	15.0–19.0	QBO	—	—	—	—	—	—	—	—	—	2.23 (J)	—
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	0.353	0.0659	0.103 (J)	NA	0.0505	0.173	0.388	0.571	16.8 (J)	NA
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	—	—	—	—	—	—	—	3.55 (J)	—
RE02-07-2093	02-600488	14.5–19.0	QBO	—	—	—	—	—	—	—	—	—	1.39 (J)	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] Naphthalene used as a surrogate.

[f] Value from NMED (NMED 2006, 094614).

Table F-2.28-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 02-012

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-235
ALLH/QAL Background/Fallout Value[b]				**0.013**	**0.054**	**na[c]**	**0.2**
QBO Background/Fallout Value[b]				**na**	**na**	**na**	**0.18**
Industrial Screening Action Levels[d]				**180**	**210**	**440000**	**87**
RE02-07-1728	02-600418	4.5–9.0	QAL	—[e]	—	0.12736 (J-)	—
RE02-07-1733	02-600419	4.5–9.0	QAL	—	—	0.445743 (J-)	—
RE02-07-1738	02-600420	4.5–9.0	QAL	—	0.228 (J-)	0.0320994	—
RE02-07-1894	02-600452	4.5–10.0	QAL	—	—	0.3182 (J-)	—
RE02-07-1898	02-600453	0.0–0.5	ALLH	—	—	0.00970954	—
RE02-07-1899	02-600453	4.5–10.0	QAL	0.0987	—	0.19748 (J-)	—
RE02-07-1904	02-600454	4.5–9.5	QAL	—	—	0.0559978 (J-)	—
RE02-07-1909	02-600455	4.5–10.0	QAL	—	—	0.0708144 (J-)	—
RE02-07-2075	02-600485	0.0–0.5	ALLH	—	—	0.00772217	—
RE02-07-2076	02-600485	4.5–12.0	QAL	—	—	0.0205725	—
RE02-07-2080	02-600486	0.0–0.5	ALLH	—	—	0.00584615	—
RE02-07-2083	02-600486	16.0–21.0	QBO	—	—	—	0.193
RE02-07-2090	02-600488	0.0–0.5	ALLH	—	—	0.00598471	—
RE02-07-2091	02-600488	4.5–8.0	QAL	—	—	0.0397656	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-3.1-1
Summary of Inorganic Chemicals above BV at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Selenium	Zinc
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**	**1690**	**482**	**0.1**	**6.58**	**na[b]**	**0.3**	**63.5**
ALLH Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**1.52**	**48.8**
Construction Worker Soil Screening Levels[c]				**14400**	**124**	**85.2**	**60200**	**na**	**500[d]**	**61**	**12400**	**4760**	**800**	**na**	**150**	**340[d]**	**6190**	**100000**	**1550**	**92900**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—[e]	0.84 (J-)	—	—	18100	—	—	—	0.55 (U)	22.5	—	—	0.151	—	1.1	—	86 (J-)
RE21-07-6467	21-602919	7.0–8.0	ALLH	—	—	—	—	14000	—	—	—	0.56 (U)	22.9	—	—	0.116	—	3.3	—	56 (J-)
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	—	—	51.2	8850	—	—	4.9	0.55 (U)	12.8	—	—	—	—	4	0.55 (U)	—
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	—	—	—	—	—	0.56 (U)	—	—	—	—	—	—	—	—
RE21-07-6470	21-602920	7.0–8.0	QBT3	—	—	—	—	—	—	—	19.8 (U)	0.55 (U)	—	—	—	—	—	—	0.31 (J)	—
RE21-07-6471	21-602920	12.0–13.0	QBT3	—	—	—	—	—	—	—	5 (U)	0.54 (U)	—	—	—	—	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	—	—	10700 (J-)	—	—	—	0.56 (U)	—	—	—	—	—	1.6	0.56 (U)	—
RE21-07-6473	21-602921	7.0–8.0	QBT3	—	—	—	—	2970 (J-)	—	—	—	0.55 (U)	—	—	—	—	—	1.5	0.56 (U)	—
RE21-07-6474	21-602921	12.0–13.0	QBT3	—	—	—	—	4200 (J-)	—	—	—	0.54 (U)	—	—	—	—	—	1.8	0.54 (U)	—
RE21-07-6475	21-602922	2.0–3.0	QBT3	—	—	—	—	9290 (J-)	—	—	—	0.55 (U)	—	—	—	—	—	0.78	0.54 (J)	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	—	2490 (J-)	—	—	—	0.55 (U)	11.8 (U)	—	—	—	—	0.81	—	—
RE21-07-6477	21-602922	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.55 (U)	21.2 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	—	100	18600 (J-)	8.7	—	9 (U)	0.57 (U)	—	1710	—	—	8 (U)	—	0.57 (U)	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	—	—	—	6840 (J-)	—	—	7.2 (U)	0.56 (U)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	—	47.3	7990 (J-)	—	—	5.9 (U)	0.56 (U)	—	—	—	—	—	0.68	0.56 (U)	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	—	—	4200 (J)	—	—	—	0.56 (UJ)	27.1 (U)	—	—	—	—	1.2	—	—
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	—	—	3350 (J)	—	—	—	0.55 (UJ)	21.4 (U)	—	—	—	—	0.61	0.55 (U)	—
RE21-07-6483	21-602924	12.0–13.0	QBT3	—	—	—	—	2310 (J)	—	—	—	0.55 (UJ)	24 (U)	—	—	—	—	1.1	0.55 (U)	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	2.9 (J-)	5	103	10300	—	3.5	22.7 (U)		23.9 (U)	—	—	—	68.4	—	0.56 (U)	87.6 (U)
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	1.2 (J-)	—	90.1	11600	—	—	6.8 (U)	0.55 (U)	30.9 (J-)	—	—	—	—	—	0.55 (U)	80.7 (U)
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	0.54 (J-)	—	46.3	6180	—	—	—	0.55 (U)	33.4 (J-)	—	—	—	—	—	0.55 (U)	85.8 (U)
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	77.1	2510	—	—	30.2 (U)		—	—	—	—	—	—	0.56 (U)	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	—	4330	—	—	19.9 (U)	—	—	—	—	—	—	—	0.53 (U)	65.5 (U)
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	—	2860	—	—	15.6 (U)	0.56 (U)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6490	21-602927	2.0–3.0	ALLH	—	—	—	—	7920 (J)	—	—	—	0.57 (UJ)	—	—	—	0.108	—	0.2 (J)	—	63.3 (U)
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	—	—	71.3	7440 (J)	—	—	5 (U)	0.54 (UJ)	17.9 (U)	—	—	—	—	0.4	0.54 (U)	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	—	—	—	6780 (J)	—	—	4.9 (U)	0.56 (UJ)	11.3 (U)	—	—	—	—	0.21 (J)	0.56 (U)	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	46.1	—	—	—	—	0.52 (U)	—	—	—	—	—	—	0.52 (U)	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	—	55	—	—	—	—	—	—	—	—	—	—	—	0.54 (U)	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.53 (U)	—	—	—	—	—	—	0.53 (U)	—
RE21-07-6496	21-602929	2.0–3.0	QBT3	10400	—	2.9	528	2940	—	—	6.1 (U)	0.57 (U)	11.6 (U)	2480	—	—	11.1 (U)	—	0.57 (U)	—

Table F-3.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead	Magnesium	Manganese	Mercury	Nickel	Nitrate	Selenium	Zinc
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**	**1690**	**482**	**0.1**	**6.58**	**na[b]**	**0.3**	**63.5**
ALLH Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**22.3**	**4610**	**671**	**0.1**	**15.4**	**na**	**1.52**	**48.8**
Construction Worker Soil Screening Levels[c]				**14400**	**124**	**85.2**	**60200**	**na**	**500[d]**	**61**	**12400**	**4760**	**800**	**na**	**150**	**340[d]**	**6190**	**100000**	**1550**	**92900**
RE21-07-6497	21-602929	7.0–8.0	QBT3	—	—	—	85.8	4360	—	—	5.9 (U)	0.55 (U)	11.7 (U)	2070	—	—	—	—	0.55 (U)	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	—	—	3850	—	—	—	—	—	—	—	—	—	—	0.55 (U)	—
RE21-07-6499	21-602930	2.0–3.0	QBT3	—	—	—	72	3980 (J)	—	—	—	0.56 (UJ)	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	—	—	—	—	—	0.55 (UJ)	15.7 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6501	21-602930	12.0–13.0	QBT3	—	—	—	—	2250 (J)	—	—	—	0.55 (UJ)	13.9 (U)	—	—	—	—	0.22	0.55 (U)	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	—	164	3060	—	3.4	—	—	—	—	—	—	—	—	0.55 (U)	—
RE21-07-6503	21-602931	7.0–8.0	QBT3	—		—	96.1	4320	—	3.2	5 (U)	0.55 (U)	14.6 (U)	—	497	—	7.9 (U)	—	0.55 (U)	—
RE21-07-6504	21-602931	12.0–13.0	QBT3	—	—	—	53.9	10100	—	—	—	0.53 (U)	—	—	—	—	—	—	0.53 (U)	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	—	64.3	6610	—	—	—	—	—	—	—	—	—	—	0.56 (U)	—
RE21-07-6506	21-602932	7.0–8.0	QBT3	—	—	—	—	5370	—	—	—	0.55 (U)	15.4 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	—	—	7180	—	—	—	—	20.5 (U)	—	—	—	—	—	0.55 (U)	—
RE21-07-6508	21-602933	2.0–3.0	QBT3	—	—	—	62.8	2630 (J)	—	—	—	0.57 (UJ)	11.6 (U)	—	—	—	—	0.26	0.57 (U)	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	—	54.8	—	—	—	—	0.55 (UJ)	15.2 (U)	—	544	—	8.3 (U)	—	0.56 (U)	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	0.55 (UJ)	—	—	—	—	—	—	0.55 (U)	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-3.1-2
Summary of Organic Chemicals Detected at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Butylbenzene[n-]	Chrysene	Di-n-butylphthalate	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Dichlorobenzene[1,4-]
Construction Worker Soil Screening Levels[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**4660**	**62.1**	**21200**	**23300**	**37.4**	**37.4**	**1960**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—[c]	—	NA[d]	NA	0.081 (J)	0.081 (J)	0.07 (J)	0.048 (J)	0.066 (J)	0.22 (J)	—	0.12 (J)	—	—	—	—
RE21-07-6467	21-602919	7.0–8.0	ALLH	0.033	—	NA	NA	—	—	—	—	—	—	—	0.044 (J)	—	0.00024 (J)	0.00025 (J)	0.00041 (J)
RE21-07-6468	21-602919	12.0–13.0	QBT3	0.0071 (J)	—	NA	NA	—	—	—	—	—	—	—	0.044 (J)	—	—	—	—
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	0.241	0.185	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	NA	NA	0.045 (J)	0.039 (J)	—	—	—	—	—	0.062 (J)	—	—	—	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	0.00041 (J)	0.00038 (J)	0.00049 (J)
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	NA	NA	0.053 (J)	0.045 (J)	0.047 (J)	—	0.044 (J)	—	—	0.071 (J)	—	—	—	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	—	NA	NA	0.087 (J)	0.077 (J)	0.074 (J)	0.041 (J)	0.069 (J)	—	—	0.12 (J)	—	—	—	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	NA	NA	0.039 (J)	—	—	—	—	—	—	0.058 (J)	—	—	—	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	0.00035 (J)	0.00033 (J)	0.0004 (J)
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	NA	NA	0.042 (J)	0.038 (J)	—	—	0.038 (J)	—	—	0.052 (J)	—	—	—	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	—	NA	NA	0.11 (J)	0.11 (J)	0.1 (J)	0.055 (J)	0.1 (J)	0.14 (J)	—	0.17 (J)	—	—	—	—
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	0.053 (J)	—	—	—	—
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	0.5	—	—	0.00039 (J)
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	0.011 (J)	—	NA	NA	—	—	—	—	—	—	0.0011 (J)	—	—	—	—	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	0.009 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	0.016 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	0.043 (J)	NA	NA	0.086 (J)	0.056 (J)	0.064 (J)	—	0.069 (J)	—	—	0.11 (J)	—	—	—	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	0.018 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	0.01 (J)	—	NA	NA	—	—	—	—	—	—	—	—	—	—	—	—

Table F-3.1-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Hexachlorodibenzofuran[1,2,3,4,7,8-]	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Hexachlorodibenzofuran[1,2,3,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]
Construction Worker Soil Screening Levels[b]				**128**	**8730**	**na[e]**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
RE21-07-6466	21-602919	2.0–3.0	ALLH	—	0.17 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6467	21-602919	7.0–8.0	ALLH	0.0016 (J)	0.047 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	0.059 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	0.0000119	0.00000467	0.00000115 (J)	0.000000705 (J)	0.000000639 (J)	0.00000348 (J)	0.00000102 (J)	0.000000379 (J)	0.000000801 (J)
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	0.04 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	0.098 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	0.11 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6479	21-602923	7.0–8.0	QBT3	—	0.2 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	0.091 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	0.046 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	0.097 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6484	21-602925	2.0–3.0	QBT3	—	0.28 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	0.073 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	0.037 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	0.24 (J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table F-3.1-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene (Total)
Construction Worker Soil Screening Levels[b]				**212**	**389[f]**	**2630**	**na**	**na**	**na**	**na**	**6990**	**9010**	**na**	**252**	**190**	**69.2**	**82**
RE21-07-6466	21-602919	2.0–3.0	ALLH	0.043 (J)	—	—	NA	NA	NA	NA	0.081 (J)	0.14 (J)	NA	0.0012 (J-)	0.00046 (J-)	—	—
RE21-07-6467	21-602919	7.0–8.0	ALLH	—	—	—	NA	NA	NA	NA	—	0.041 (J)	NA	0.0023 (J)	0.00087 (J)	0.00029 (J)	0.0092
RE21-07-6468	21-602919	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	0.05 (J)	NA	0.0014 (J)	0.00039 (J)	—	—
RE21-07-6884	21-602919	12.0–13.0	QBT3	NA	NA	NA	0.000104	0.00000763	0.00000335	0.00000282	NA	NA	0.00000207	NA	NA	NA	NA
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	0.06 (J)	0.087 (J)	NA	—	—	—	—
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	0.052 (J)	0.092 (J)	NA	—	—	—	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	0.039 (J)	—	—	NA	NA	NA	NA	0.098 (J)	0.17 (J)	NA	—	—	—	—
RE21-07-6480	21-602923	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	0.081 (J)	NA	—	—	—	—
RE21-07-6481	21-602924	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	0.067 (J)	0.07 (J)	NA	—	—	—	—
RE21-07-6484	21-602925	2.0–3.0	QBT3	0.051 (J)	—	0.015	NA	NA	NA	NA	0.16 (J)	0.19 (J)	NA	0.0014 (J)	—	—	—
RE21-07-6485	21-602925	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	0.041 (J)	0.059 (J)	NA	0.00074 (J)	—	—	—
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00057 (J)	—	—	—
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00052 (J)	—	—	—
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00093 (J-)	0.00043 (J-)	—	—
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	0.00044 (J)	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	—	0.0021 (J)	—	NA	NA	NA	NA	—	—	NA	—	0.0024 (J)	0.0024 (J)	—
RE21-07-6492	21-602927	12.0–13.0	QBT3	—	0.00079 (J)	—	NA	NA	NA	NA	—	—	NA	—	—	0.00034 (J)	—
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00075 (J)	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	0.01	NA	NA	NA	NA	—	—	NA	0.00026 (J)	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.0002 (J)	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	0.012	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00033 (J)	0.00029 (J)	—	—
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	0.01	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	0.014	NA	NA	NA	NA	0.22 (J)	0.16 (J)	NA	—	—	—	—

Table F-3.1-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[1,2,3,7,8-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Toluene	Trimethylbenzene[1,2,4-]	Trimethylbenzene[1,3,5-]	Xylene (Total)
Construction Worker Soil Screening Levels[b]				**212**	**389[f]**	**2630**	**na**	**na**	**na**	**na**	**6990**	**9010**	**na**	**252**	**190**	**69.2**	**82**
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	0.012	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	NA	NA	NA	NA	—	—	NA	0.00018 (J)	—	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] — = Analyte not detected.

[d] NA = Not analyzed.

[e] na = Not available.

[f] Isopropylbenzene used as a surrogate.

Table F-3.1-3
Summary of Radionuclides Detected or Detected above BV/FV at Consolidated Unit 21-006(e)-99

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 Background/Fallout Value[b]				**na[c]**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH Background/Fallout Value[b]				**0.013**	**na**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker Screening Action Levels[d]				**34**	**7.7**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-6466	21-602919	2.0–3.0	ALLH	2.93	—[e]	0.269	0.485	66.3	0.74	44.9	1.77
RE21-07-6467	21-602919	7.0–8.0	ALLH	2.63	—	0.14	0.349	52.5	2.06	87.3	3.82
RE21-07-6468	21-602919	12.0–13.0	QBT3	1.35 (J-)	—	—	0.151	27.8	0.7	28.7	1.12
RE21-07-6469	21-602920	2.0–3.0	QBT3	—	—	—	—	2.58	—	2.63 (J-)	—
RE21-07-6470	21-602920	7.0–8.0	QBT3	—	—	—	—	0.815	—	—	—
RE21-07-6471	21-602920	12.0–13.0	QBT3	—	—	—	—	1.15	—	—	—
RE21-07-6472	21-602921	2.0–3.0	QBT3	0.419	—	—	0.076	7.32	1.67	3.96	0.188
RE21-07-6473	21-602921	7.0–8.0	QBT3	0.1	—	—	—	1.95	1.63	2	—
RE21-07-6474	21-602921	12.0–13.0	QBT3	0.083	—	—	—	1.74	2.39	2.11	0.105
RE21-07-6475	21-602922	2.0–3.0	QBT3	—	—	—	—	0.447	—	12.9	0.689
RE21-07-6476	21-602922	7.0–8.0	QBT3	—	—	—	—	0.28	—	2.84	0.16
RE21-07-6477	21-602922	12.0–13.0	QBT3	—	—	—	—	0.254	—	—	—
RE21-07-6478	21-602923	2.0–3.0	QBT3	0.574 (J-)	—	—	0.065	10.3	—	5.56 (J-)	—
RE21-07-6479	21-602923	7.0–8.0	QBT3	0.301	—	—	0.067	8.74	—	5.39 (J-)	0.208 (J-)
RE21-07-6480	21-602923	12.0–13.0	QBT3	0.324	—	—	0.081	10.6	—	5.13	0.205
RE21-07-6481	21-602924	2.0–3.0	QBT3	0.101	—	—	—	2.18	—	2.26	0.122
RE21-07-6482	21-602924	7.0–8.0	QBT3	—	0.068	—	—	1.13	—	—	0.132
RE21-07-6483	21-602924	12.0–13.0	QBT3	0.042	—	—	—	1.21	—	—	0.1
RE21-07-6484	21-602925	2.0–3.0	QBT3	6.55	—	—	—	133	—	73.6	3.59
RE21-07-6485	21-602925	7.0–8.0	QBT3	2.05	—	—	—	64.4	—	23.9	1.04
RE21-07-6486	21-602925	12.0–13.0	QBT3	—	—	—	—	33.2	—	17.6	0.83
RE21-07-6487	21-602926	2.0–3.0	QBT3	—	—	—	0.063	7.05	—	6.85	0.316
RE21-07-6488	21-602926	7.0–8.0	QBT3	—	—	—	—	19.2	—	20.3	0.67
RE21-07-6489	21-602926	12.0–13.0	QBT3	—	—	—	—	14.1 (J)	—	8.67	0.265
RE21-07-6490	21-602927	2.0–3.0	ALLH	1.4	—	—	0.322	40.6	—	—	—
RE21-07-6491	21-602927	7.0–8.0	QBT3	1.47	—	—	0.332	47.6	—	18.3	0.743
RE21-07-6492	21-602927	12.0–13.0	QBT3	0.56	—	—	0.219	25.2	—	11.5	0.543
RE21-07-6493	21-602928	2.0–3.0	QBT3	—	—	—	—	0.34	—	—	—
RE21-07-6494	21-602928	7.0–8.0	QBT3	—	—	—	—	1.06	—	—	—
RE21-07-6495	21-602928	12.0–13.0	QBT3	—	—	—	—	0.122	—	—	—

Table F-3.1-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-134[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 Background/Fallout Value[b]				**na[c]**	**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH Background/Fallout Value[b]				**0.013**	**na**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker Screening Action Levels[d]				**34**	**7.7**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-6496	21-602929	2.0–3.0	QBT3	—	—	—	—	0.329	—	—	—
RE21-07-6497	21-602929	7.0–8.0	QBT3	—	—	—	—	0.446	—	—	—
RE21-07-6498	21-602929	12.0–13.0	QBT3	—	—	—	—	0.314	—	—	—
RE21-07-6499	21-602930	2.0–3.0	QBT3	0.072	—	—	—	2.58	—	4.24	0.167
RE21-07-6500	21-602930	7.0–8.0	QBT3	—	—	—	—	1.6	—	2.76	0.093
RE21-07-6501	21-602930	12.0–13.0	QBT3	0.059	—	—	—	3.27	—	5.95	0.21
RE21-07-6502	21-602931	2.0–3.0	QBT3	—	—	—	—	0.24	—	—	—
RE21-07-6503	21-602931	7.0–8.0	QBT3	—	—	—	—	0.542	—	—	—
RE21-07-6504	21-602931	12.0–13.0	QBT3	—	—	—	—	0.224	—	—	—
RE21-07-6505	21-602932	2.0–3.0	QBT3	—	—	—	—	3.15	—	2.55	0.103
RE21-07-6506	21-602932	7.0–8.0	QBT3	—	—	—	—	1.71	—	2.15	—
RE21-07-6507	21-602932	12.0–13.0	QBT3	—	—	—	—	1.53	—	2.1	—
RE21-07-6509	21-602933	7.0–8.0	QBT3	0.06	—	—	—	—	—	—	—
RE21-07-6510	21-602933	12.0–13.0	QBT3	—	—	—	—	0.039	—	—	—

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-3.2-1
Summary of Inorganic Chemicals above BV at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Iron
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**14500**
ALLH Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**21500**
Construction Worker Soil Screening Levels[b]				**14400**	**124**	**85.2**	**60200**	**na[c]**	**500[d]**	**61**	**12400**	**4760**	**100000**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[e]	—	—	—	40700	—	—	—	0.59 (U)	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	3.1	124 (J)	18200	7.2	—	—	0.58 (U)	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	—	56.8 (J)	12100	—	—	—	0.56 (U)	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	1.4 (J-)	—	—	31000	—	—	—	0.57 (U)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	—	—	—	—	0.59 (U)	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	8440	—	—	79.3	4270	—	—	—	0.57 (U)	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	1.8 (J-)	—	—	20800	—	—	—	0.53 (U)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	0.84 (J-)	—	88.7	20800	8.4 (J-)	—	62.4 (J-)	0.55 (U)	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	0.99 (J-)	—	84.3	12300	—	—	52.6 (J-)	0.54 (U)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	—	—	21900	—	—	—	0.57 (U)	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	—	—	—	73.1	15000	12.7 (J-)	—	11.5 (U)	0.55 (U)	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	3750	—	—	—	0.54 (U)	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	0.91 (J-)	—	—	37800	—	—	—	0.54 (U)	—
RE21-07-5109	21-601070	7.0–8.0	QBT3	—	0.73 (J-)	—	105	4970	8.1 (J-)	—	5.9 (U)	0.6 (U)	—
RE21-07-6394	21-601070	12.0–13.0	QBT3	7910	1.3 (J-)	—	69.2	3600	—	—	—	0.57 (U)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	1.2 (J-)	—	—	24700 (J+)	—	—	—	0.54 (U)	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	—	—	9890 (J+)	—	—	31.1 (U)	0.55 (U)	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	5700 (J+)	—	—	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	2.3 (J-)	—	—	28900 (J+)	—	—	15.8 (U)	0.54 (U)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	0.52 (J-)	—	—	7800 (J+)	10.9	—	—	0.56 (U)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	0.97 (J-)	—	—	24300 (J+)	12.4	—	5.6 (U)	0.6 (U)	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	10400 (J)	—	—	—	8320 (J+)	7.9 (J)	3.9 (J)	—	0.56 (U)	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	—	—	—	—	4000 (J+)	8.1	—	—	0.54 (U)	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	—	3250 (J+)	7.2	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	7440	0.52 (J-)	—	136	8830	—	3.5	5.5 (U)	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	—	0.83 (J-)	—	52.8	7060	—	—	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	—	2250	—	—	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	1.1 (J-)	—	111	25500	9.3	—	5.3 (U)	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	2 (J-)	—	64.2	7630	9.5	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	0.53 (J-)	—	—	5370	7.7	—	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	—	—	—	—	—	—	—	—	—	—

Table F-3.2-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Iron
QBT3 Background Value[a]				**7340**	**0.5**	**2.79**	**46**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**14500**
ALLH Background Value[a]				**29200**	**0.83**	**8.17**	**295**	**6120**	**19.3**	**8.64**	**14.7**	**0.5**	**21500**
Construction Worker Soil Screening Levels[b]				**14400**	**124**	**85.2**	**60200**	**na**[c]	**500**[d]	**61**	**12400**	**4760**	**100000**
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	—	—	—	9.2	—	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	—	—	2290	—	—	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	1.4 (J-)	—	88.4	24200	15.2	3.8	6 (U)	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	0.66 (J-)	—	—	10300	14	—	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	0.7 (J-)	—	—	7500	—	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	—	—	—	31200	—	—	—	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	—	47	6310	9.7	—	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	—	—	—	110 (J-)	46200	11.7 (J-)	—	10 (U)	0.56 (U)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	0.77 (J-)	—	51.6 (J-)	13600	11.6 (J-)	—	—	0.56 (U)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	1 (J-)	—	—	8350	11.7 (J-)	—	—	0.56 (U)	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	—	1.2 (J-)	—	142 (J-)	21500	9.1 (J-)	—	7 (U)	0.57 (U)	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	0.63 (J-)	—	62.3 (J-)	11000	10.1 (J-)	—	—	0.56 (U)	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	—	—	3510	—	—	—	0.55 (U)	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	1.1 (J-)	—	—	13500	—	—	—	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	—	1.5 (J-)	—	46.3 (J-)	9530	7.8 (J-)	—	29.5 (U)	—	24700
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	0.62 (J-)	—	—	7240	12.2 (J-)	—	—	0.56 (U)	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	—	—	—	36100	—	—	—	0.55 (U)	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	0.75 (J-)	—	97.9 (J-)	13000	17 (J-)	—	6.7 (U)	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	—	—	5640	—	—	—	0.58 (U)	—

Table F-3.2-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
QBT3 Background Value[a]				**11.2**	**1690**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**17**	**63.5**
ALLH Background Value[a]				**22.3**	**4610**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
Construction Worker Soil Screening Levels[b]				**800**	**na**	**340[d]**	**6190**	**100000**	**790[d]**	**1550**	**1550**	**310**	**92900**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	—	—	—	0.2 (J)	—	—	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	1730	—	—	0.44	—	0.58 (U)	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	—	—	0.35	—	0.56 (U)	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	22.4	—	0.199	—	—	—	—	—	41.7 (J-)	59.7 (U)
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	0.91	—	—	—	—	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	—	—	—	—	0.73	—	0.57 (UJ)	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	—	0.178	—	—	0.0089	—	—	—	91.3 (U)
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	—	—	—	0.66	0.005 (J)	0.55 (UJ)	—	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	14.6 (U)	—	—	—	0.49	0.0046 (J)	0.54 (UJ)	—	—	69.1 (U)
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	0.218	—	1.7	0.0096	—	—	—	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	—	—	—	7.4 (U)	1.1	0.0053 (J)	0.55 (UJ)	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	0.54	0.0029 (J)	—	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	—	0.18	—	0.63	0.0027 (J)	—	—	41.4 (J-)	60.9 (U)
RE21-07-5109	21-601070	7.0–8.0	QBT3	16.7 (U)	—	—	8.8 (U)	0.18 (J)	—	0.6 (UJ)	—	—	—
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	—	—	—	—	—	0.57 (UJ)	—	—	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	—	0.401	—	0.14 (J)	—	—	—	—	64.8 (U)
RE21-07-5111	21-601071	7.0–8.0	QBT3	15.1 (U)	—	0.117	—	0.25	—	0.55 (UJ)	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	—	—	0.53 (UJ)	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	27.7 (U)	—	0.432	—	0.11 (J)	—	—	—	60.6	79.3 (U)
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	—	0.124	—	0.35	—	0.56 (UJ)	—	17.3	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	12.8 (U)	—	0.211	7.2 (U)	0.36	—	0.55 (UJ)	—	40.8	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	1850 (J)	—	7.2 (U)	—	—	0.56 (UJ)	—	—	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	—	—	—	0.54 (UJ)	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	15.3 (U)	—	0.214	7 (U)	0.55	—	0.55 (UJ)	—	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	—	—	—	—	0.21	—	0.53 (UJ)	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	—	0.33	—	0.54 (UJ)	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	15.8 (U)	1880	0.258	7.7 (U)	0.18 (J)	—	0.57 (UJ)	—	25.1	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	11.3 (U)	—	—	—	—	—	0.57 (UJ)	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	—	—	0.17 (J)	—	0.54 (UJ)	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	—	—	—	—	—	0.0025 (J)	—	—	—	—
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	—	—	—	—	0.55 (UJ)	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	—	—	—	—	0.54 (UJ)	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	21 (U)	—	0.386	7.3 (U)	0.15 (J)	—	0.55 (UJ)	—	52.4	137 (U)

Table F-3.2-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Lead	Magnesium	Mercury	Nickel	Nitrate	Perchlorate	Selenium	Silver	Vanadium	Zinc
QBT3 Background Value[a]				**11.2**	**1690**	**0.1**	**6.58**	**na**	**na**	**0.3**	**1**	**17**	**63.5**
ALLH Background Value[a]				**22.3**	**4610**	**0.1**	**15.4**	**na**	**na**	**1.52**	**1**	**39.6**	**48.8**
Construction Worker Soil Screening Levels[b]				**800**	**na**	**340[d]**	**6190**	**100000**	**790[d]**	**1550**	**1550**	**310**	**92900**
RE21-07-5123	21-601077	7.0–8.0	QBT3	11.3 (U)	—	0.202	8.8 (U)	0.41	—	0.56 (UJ)	—	21.5	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	—	0.12	—	0.27	—	0.55 (UJ)	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	28.4	—	0.576	—	—	—	—	—	—	118 (U)
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	0.128	—	—	—	0.56 (UJ)	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	—	—	—	—	0.36	—	0.56 (UJ)	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	—	1710	0.163 (J)	8.8 (U)	0.59	0.0026 (J)	0.56 (U)	—	25.6 (J+)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	—	1.31 (J)	—	0.65	0.0031 (J)	0.56 (U)	—	—	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	—	0.684 (J)	—	1	—	0.56 (U)	1.3	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	20.6 (U)	1870	0.267 (J)	7.7 (U)	0.36	—	0.57 (U)	—	21.4 (J+)	66.9 (U)
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	—	0.418 (J)	—	1	—	0.56 (U)	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	0.13 (J)	—	—	—	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	—	—	—	0.39	—	—	—	—	52.1 (U)
RE21-07-5131	21-601081	7.0–8.0	QBT3	25 (U)	—	0.361 (J)	7.3 (U)	0.49	—	0.56 (U)	—	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	—	—	—	0.85	—	0.56 (U)	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	—	0.339 (J)	—	0.54	0.007	—	—	86.3 (J+)	50.9 (U)
RE21-07-5133	21-601082	7.0–8.0	QBT3	11.7 (U)	—	—	—	0.7	0.0041 (J)	0.56 (U)	—	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	0.236 (J)	—	0.59	0.0034 (J)	0.58 (U)	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-3.2-2
Summary of Organic Chemicals Detected at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Benzoic Acid	Bis(2-ethylhexyl)phthalate	Bromobenzene
Construction Worker Soil Screening Levels[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**100000[c]**	**4660**	**121**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[d]	—	NA[e]	NA	—	—	—	—	—	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	0.0045 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	NA	NA	0.039 (J)	—	—	—	—	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	—	NA	NA	0.062 (J)	0.058 (J)	0.065 (J)	0.05 (J)	0.059 (J)	—	0.22 (J)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	—	NA	NA	0.11 (J)	0.094 (J)	0.099 (J)	0.058 (J)	0.086 (J)	—	0.11 (J)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	—	NA	NA	0.046 (J)	0.047 (J)	0.046 (J)	—	0.042 (J)	—	0.056 (J)	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	—	NA	NA	0.11 (J)	0.1 (J)	0.1 (J)	0.063 (J)	0.097 (J)	—	—	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	—	NA	NA	0.034 (J)	0.036 (J)	0.035 (J)	—	0.036 (J)	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	—	NA	NA	0.092 (J)	0.093 (J)	0.089 (J)	0.074 (J)	0.083 (J)	—	—	—
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	NA	0.0808 (J)	0.0219	NA	NA	NA	NA	NA	NA	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	—	NA	NA	0.063 (J)	0.07 (J)	0.058 (J)	0.047 (J)	0.061 (J)	—	0.043 (J)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	—	NA	NA	0.046 (J)	0.047 (J)	0.047 (J)	—	0.05 (J)	—	0.061 (J)	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	—	NA	NA	0.077 (J)	0.074 (J)	0.072 (J)	0.038 (J)	0.071 (J)	—	0.27 (J)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	0.041 (J)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	0.11 (J)	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	—	NA	NA	—	0.045 (J)	0.041 (J)	0.043 (J)	0.038 (J)	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	NA	NA	0.043 (J)	—	0.036 (J)	—	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	—	NA	NA	0.037 (J)	—	—	—	—	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	—	NA	NA	0.049 (J)	0.049 (J)	0.046 (J)	—	0.046 (J)	—	0.089 (J)	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	0.011 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	0.013 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	0.012 (J-)	—	NA	NA	0.079 (J)	0.064 (J)	0.066 (J)	0.038 (J)	0.068 (J)	—	0.073 (J)	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	0.009 (J-)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	—	NA	NA	—	—	—	—	—	0.4 (J)	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	0.019 (J-)	—	NA	NA	—	—	—	—	—	—	—	0.00053 (J-)

Table F-3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Anthracene	Aroclor-1254	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene[a]	Benzo(k)fluoranthene	Benzoic Acid	Bis(2-ethylhexyl)phthalate	Bromobenzene
Construction Worker Soil Screening Levels[b]				**98500**	**86000**	**4.28**	**4.28**	**212**	**21.2**	**212**	**9010**	**2120**	**100000[c]**	**4660**	**121**
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.016 (J)	—	NA	NA	0.092 (J-)	0.074 (J-)	0.062 (J-)	0.055 (J-)	0.062 (J-)	—	0.2 (J-)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	0.013 (J)	—	NA	NA	0.077 (J)	0.07 (J)	0.07 (J)	—	0.067 (J)	—	0.067 (J)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	0.017 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.013 (J)	—	NA	NA	0.096 (J-)	0.089 (J-)	0.08 (J-)	0.075 (J-)	0.07 (J-)	—	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	0.022 (J)	—	NA	NA	0.064 (J)	0.057 (J)	0.046 (J)	0.04 (J)	0.05 (J)	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.0095 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	0.018 (J)	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.012 (J)	0.048 (J)	NA	NA	0.13 (J)	0.12 (J)	0.097 (J)	0.1 (J)	0.11 (J)	—	0.065 (J)	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	—	NA	NA	—	—	—	—	—	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	0.012 (J)	—	NA	NA	0.044 (J)	0.039 (J)	—	—	0.04 (J)	—	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	0.026 (J)	—	NA	NA	—	—	—	—	—	—	0.043 (J)	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.016 (J)	—	NA	NA	—	—	—	—	—	—	—	—

Table F-3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chrysene	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]
Construction Worker Soil Screening Levels[b]				**240[c]**	**21200**	**37.4**	**37.4**	**128**	**8730**	**na[f]**	**na**	**na**	**na**	**212**	**389[g]**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	0.057 (J)	—	—	—	0.075 (J)	NA	NA	NA	NA	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	0.1 (J)	—	—	—	0.14 (J)	NA	NA	NA	NA	0.043 (J)	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	0.17 (J)	—	—	—	0.25 (J)	NA	NA	NA	NA	0.052 (J)	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	0.067 (J)	—	—	—	0.099 (J)	NA	NA	NA	NA	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	—	0.15 (J)	—	—	—	0.16 (J)	NA	NA	NA	NA	0.052 (J)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	0.055 (J)	—	—	—	0.073 (J)	NA	NA	NA	NA	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	0.14 (J)	—	—	—	0.23 (J)	NA	NA	NA	NA	0.056 (J)	0.0041 (J-)
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	NA	NA	NA	NA	NA	0.00000851	0.00000338	0.000000331 (J)	0.000000239 (J)	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	0.093 (J)	—	—	—	0.13 (J)	NA	NA	NA	NA	0.047 (J)	0.0097
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	0.079 (J)	—	—	—	0.11 (J)	NA	NA	NA	NA	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	0.037 (J)	—	—	—	0.049 (J)	NA	NA	NA	NA	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	—	—	0.001 (J-)	—	NA	NA	NA	NA	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	0.13 (J)	—	—	0.00036 (J-)	0.18 (J)	NA	NA	NA	NA	—	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	0.039 (J)	—	—	—	0.047 (J)	NA	NA	NA	NA	—	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	0.053 (J)	—	—	—	0.071 (J)	NA	NA	NA	NA	—	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	0.047 (J)	—	—	—	0.039 (J)	NA	NA	NA	NA	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	0.059 (J)	—	—	—	0.1 (J)	NA	NA	NA	NA	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	0.052 (J)	—	—	—	0.075 (J)	NA	NA	NA	NA	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	0.081 (J)	—	—	—	0.12 (J)	NA	NA	NA	NA	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	0.042 (J)	—	—	—	0.059 (J)	NA	NA	NA	NA	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	—	—	0.00022 (J-)	—	NA	NA	NA	NA	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	0.13 (J)	—	—	—	0.17 (J)	NA	NA	NA	NA	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	0.046 (J)	—	—	—	0.065 (J)	NA	NA	NA	NA	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	0.046 (J)	—	—	—	0.074 (J)	NA	NA	NA	NA	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	0.042 (J)	—	—	—	0.055 (J)	NA	NA	NA	NA	—	—

Table F-3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Butylbenzylphthalate	Chrysene	Dichlorobenzene[1,2-]	Dichlorobenzene[1,3-]	Ethylbenzene	Fluoranthene	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Indeno(1,2,3-cd)pyrene	Isopropyltoluene[4-]
Construction Worker Soil Screening Levels[b]				**240[c]**	**21200**	**37.4**	**37.4**	**128**	**8730**	**na[f]**	**na**	**na**	**na**	**212**	**389[g]**
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	—	0.00054 (J-)	0.00049 (J-)	0.00027 (J-)	—	NA	NA	NA	NA	—	0.00028 (J-)
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.038 (J-)	0.12 (J-)	—	—	—	0.2 (J-)	NA	NA	NA	NA	0.05 (J-)	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	—	0.12 (J)	—	—	—	0.19 (J)	NA	NA	NA	NA	0.037 (J)	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.042 (J-)	0.15 (J-)	—	—	—	0.19 (J-)	NA	NA	NA	NA	0.072 (J-)	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	—	0.099 (J)	—	—	—	0.12 (J)	NA	NA	NA	NA	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	—	—	—	—	—	—	NA	NA	NA	NA	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.041 (J)	0.19 (J+)	0.00049 (J)	—	—	0.29 (J)	NA	NA	NA	NA	0.098 (J)	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	0.045 (J)	—	—	—	0.06 (J)	NA	NA	NA	NA	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	—	0.063 (J)	—	—	—	0.099 (J)	NA	NA	NA	NA	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	0.039 (J+)	—	—	—	0.054 (J)	NA	NA	NA	NA	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	—	—	—	—	—	—	NA	NA	NA	NA	—	—

Table F-3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trimethylbenzene[1,2,4-]	Xylene (Total)
Construction Worker Soil Screening Levels[b]				**2630**	**na**	**na**	**na**	**6990**	**9010**	**na**	**134**	**252**	**190**	**82**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—	NA	NA	NA	—	—	NA	—	—	0.00038 (J)	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.0003 (J-)	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	NA	NA	NA	0.047 (J)	0.063 (J)	NA	—	0.00055 (J-)	0.00029 (J-)	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	—	NA	NA	NA	0.059 (J)	0.097 (J)	NA	—	—	—	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	NA	NA	NA	—	—	NA	0.0014 (J)	0.00021 (J)	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	—	NA	NA	NA	0.15 (J)	0.18 (J)	NA	0.00081 (J-)	0.00039 (J-)	—	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	—	NA	NA	NA	0.06 (J)	0.071 (J)	NA	—	0.00027 (J-)	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	0.0043 (J-)	NA	NA	NA	—	0.14 (J)	NA	—	—	0.00035 (J)	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	—	NA	NA	NA	0.04 (J)	0.052 (J)	NA	—	0.00028 (J-)	0.00031 (J-)	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	—	0.00025 (J)	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	—	NA	NA	NA	0.12 (J)	0.16 (J)	NA	—	—	0.00038 (J-)	—
RE21-07-5146	21-601070	2.0–3.0	ALLH	NA	0.0000852	0.00000411 (J)	0.000000362 (J)	NA	NA	0.000000312 (J)	NA	NA	NA	NA
RE21-07-6394	21-601070	12.0–13.0	QBT3	—	NA	NA	NA	0.073 (J)	0.11 (J)	NA	0.0012 (J)	—	0.0004 (J)	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	—	NA	NA	NA	0.045 (J)	0.08 (J)	NA	—	0.00077 (J+)	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	NA	NA	NA	—	0.038 (J)	NA	—	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00079 (J-)	0.00043 (J)	0.0071 (J-)
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	NA	NA	NA	0.091 (J)	0.14 (J)	NA	—	0.00074 (J-)	0.00039 (J-)	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	—	0.00041 (J-)	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	—	NA	NA	NA	—	0.053 (J)	NA	—	—	—	—
RE21-07-5114	21-601073	2.0–3.0	QBT3	—	NA	NA	NA	—	0.041 (J)	NA	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	NA	NA	NA	0.05 (J)	0.078 (J)	NA	—	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	—	NA	NA	NA	0.039 (J)	0.062 (J)	NA	—	0.00069 (J)	0.00046 (J)	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	—	NA	NA	NA	0.05 (J)	0.1 (J)	NA	—	0.0017 (J)	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	—	NA	NA	NA	—	0.045 (J)	NA	—	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00051 (J-)	0.00042 (J-)	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	—	NA	NA	NA	0.084 (J)	0.13 (J)	NA	—	0.00072 (J-)	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	—	NA	NA	NA	—	0.05 (J)	NA	—	0.00061 (J-)	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	—	NA	NA	NA	0.045 (J)	0.062 (J)	NA	—	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	—	NA	NA	NA	—	0.044 (J)	NA	—	—	0.0005 (J)	—

Table F-3.2-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Methylene Chloride	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	Pentachlorodibenzofuran[2,3,4,7,8-]	Phenanthrene	Pyrene	Tetrachlorodibenzofuran[2,3,7,8-]	Tetrachloroethene	Toluene	Trimethylbenzene[1,2,4-]	Xylene (Total)
Construction Worker Soil Screening Levels[b]				**2630**	**na**	**na**	**na**	**6990**	**9010**	**na**	**134**	**252**	**190**	**82**
RE21-07-5125	21-601078	7.0–8.0	QBT3	—	NA	NA	NA	—	—	NA	—	0.00041 (J-)	0.00068 (J-)	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.011 (J-)	NA	NA	NA	0.16 (J-)	0.2 (J-)	NA	—	0.00031 (J-)	—	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	0.0034 (J-)	NA	NA	NA	0.084 (J)	0.15 (J)	NA	—	0.00024 (J-)	—	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	0.01 (J-)	NA	NA	NA	—	—	NA	—	0.00021 (J-)	—	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	0.013	NA	NA	NA	0.1 (J-)	0.19 (J-)	NA	—	0.00078 (J)	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	0.011	NA	NA	NA	0.064 (J)	0.12 (J)	NA	—	0.00036 (J)	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.0071	NA	NA	NA	—	—	NA	—	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	0.011	NA	NA	NA	—	—	NA	—	0.00055 (J)	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.0033 (J)	NA	NA	NA	0.2 (J)	0.29 (J)	NA	—	0.00083 (J)	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	—	NA	NA	NA	—	0.048 (J)	NA	—	—	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	0.011 (J-)	NA	NA	NA	0.048 (J)	0.08 (J)	NA	—	0.00024 (J-)	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	—	NA	NA	NA	0.041 (J)	0.057 (J)	NA	—	0.00028 (J)	—	—
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.0098 (J-)	NA	NA	NA	—	—	NA	—	0.00022 (J-)	—	—

Note: All values in mg/kg.

[a] Pyrene used as a surrogate.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] Value from EPA Region 6 (EPA 2007, 095866).

[d] — = Analyte not detected.

[e] NA = Not analyzed.

[f] na = Not available.

[g] Isopropylbenzene used as a surrogate.

Table F-3.2-3
Summary of Radionuclides Detected or Detected above BV/FV at AOC 21-028(c)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 Background/Fallout Value[b]				**na[c]**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker Screening Action Levels[d]				**34**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-5100	21-601066	2.0–3.0	ALLH	—[e]	—	0.038 (J)	0.424	—	—	—
RE21-07-5101	21-601066	7.0–8.0	QBT3	—	—	0.121 (J)	0.317	—	—	—
RE21-07-6384	21-601066	12.0–13.0	QBT3	—	—	0.178 (J)	0.72	—	—	—
RE21-07-5102	21-601067	2.0–3.0	ALLH	0.151 (J-)	—	0.216	2.03	—	2.91	—
RE21-07-5103	21-601067	7.0–8.0	ALLH	—	—	0.069	1.34	—	—	—
RE21-07-6388	21-601067	12.0–13.0	QBT3	—	—	0.0315	0.351	—	—	—
RE21-07-5104	21-601068	2.0–3.0	ALLH	1.71 (J-)	0.173	0.591	10.7	0.193	—	—
RE21-07-5105	21-601068	7.0–8.0	QBT3	0.168	—	0.204	2.79	—	—	—
RE21-07-6377	21-601068	12.0–13.0	QBT3	0.135 (J-)	—	0.153	1.94	—	—	—
RE21-07-5106	21-601069	2.0–3.0	ALLH	0.279 (J-)	0.225	0.329	2.24	—	—	—
RE21-07-5107	21-601069	7.0–8.0	QBT3	0.085 (J-)	—	0.24	0.962	—	—	—
RE21-07-6376	21-601069	12.0–13.0	QBT3	—	—	0.088	0.346	—	—	—
RE21-07-5108	21-601070	2.0–3.0	ALLH	0.4 (J-)	—	0.631	5.2	—	—	—
RE21-07-5109	21-601070	7.0–8.0	QBT3	0.174 (J-)	—	0.102	1.04	—	—	0.092
RE21-07-6394	21-601070	12.0–13.0	QBT3	0.264 (J-)	—	0.142	2.96	—	—	—
RE21-07-5110	21-601071	2.0–3.0	ALLH	0.093	—	0.889	2.73	—	—	—
RE21-07-5111	21-601071	7.0–8.0	QBT3	—	—	0.258	0.95	—	—	—
RE21-07-6383	21-601071	12.0–13.0	QBT3	—	—	0.316	0.385	—	—	—
RE21-07-5112	21-601072	2.0–3.0	ALLH	—	—	1.17	3.22	—	4.91	—
RE21-07-5113	21-601072	7.0–8.0	QBT3	0.391	—	0.299	0.863	—	—	—
RE21-07-6378	21-601072	12.0–13.0	QBT3	0.089	—	0.677	1.04	—	—	—
RE21-07-5115	21-601073	7.0–8.0	QBT3	0.106	—	—	—	—	—	—
RE21-07-6393	21-601073	12.0–13.0	QBT3	—	—	—	0.147	—	—	—
RE21-07-5116	21-601074	2.0–3.0	QBT3	0.192 (J)	—	0.243 (J)	1.65 (J)	—	—	—
RE21-07-5117	21-601074	7.0–8.0	QBT3	0.1 (J)	—	0.073 (J)	0.681 (J)	—	—	—
RE21-07-6387	21-601074	12.0–13.0	QBT3	—	—	—	0.442 (J)	—	—	—
RE21-07-5118	21-601075	2.0–3.0	QBT3	0.265 (J)	—	0.61 (J)	1.86 (J)	—	—	—
RE21-07-5119	21-601075	7.0–8.0	QBT3	0.101 (J)	—	0.222 (J)	0.663 (J)	—	—	—
RE21-07-6390	21-601075	12.0–13.0	QBT3	—	—	0.127 (J)	0.301 (J)	—	—	—
RE21-07-5120	21-601076	2.0–3.0	ALLH	0.084 (J)	—	0.115 (J)	0.66 (J)	—	—	—

Table F-3.2-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Americium-241[a]	Cesium-137[a]	Plutonium-238[a]	Plutonium-239/240[a]	Tritium[a]	Uranium-234	Uranium-235
QBT3 Background/Fallout Value[b]				**na[c]**	**na**	**na**	**na**	**na**	**1.98**	**0.09**
ALLH Background/Fallout Value[b]				**0.013**	**1.65**	**0.023**	**0.054**	**na**	**2.59**	**0.2**
Construction Worker Screening Action Levels[d]				**34**	**18**	**40**	**36**	**320000**	**220**	**43**
RE21-07-5121	21-601076	7.0–8.0	QBT3	—	—	0.045 (J)	0.196 (J)	—	—	—
RE21-07-6382	21-601076	12.0–13.0	QBT3	—	—	0.038 (J)	0.172 (J)	—	—	—
RE21-07-5122	21-601077	2.0–3.0	QBT3	1.1 (J-)	—	6.52 (J)	11.9 (J)	—	—	—
RE21-07-5123	21-601077	7.0–8.0	QBT3	2.06 (J)	—	0.831 (J)	4.59 (J)	—	—	—
RE21-07-6395	21-601077	12.0–13.0	QBT3	0.159 (J)	—	0.349 (J)	2.2 (J)	—	—	—
RE21-07-5124	21-601078	2.0–3.0	ALLH	0.32 (J)	—	0.519 (J)	3.14 (J)	—	—	—
RE21-07-5125	21-601078	7.0–8.0	QBT3	0.12 (J)	—	0.225 (J)	1.4 (J)	—	—	—
RE21-07-6389	21-601078	12.0–13.0	QBT3	0.158 (J)	—	0.18 (J)	3.02 (J)	—	—	—
RE21-07-5126	21-601079	2.0–3.0	QBT3	0.482	—	0.691	2.82	—	—	—
RE21-07-5127	21-601079	7.0–8.0	QBT3	2.63	—	2.69	12.5	—	2.02	—
RE21-07-6381	21-601079	12.0–13.0	QBT3	3.68	—	2.58	13.7	—	3.12	—
RE21-07-5128	21-601080	2.0–3.0	QBT3	2.03	—	14.4	15.4	—	—	—
RE21-07-5129	21-601080	7.0–8.0	QBT3	1.33	—	0.95	8.86	—	—	—
RE21-07-6391	21-601080	12.0–13.0	QBT3	0.288	—	0.222	3.86	—	—	—
RE21-07-5130	21-601081	2.0–3.0	ALLH	1.57	—	0.84	11.8	0.238	—	—
RE21-07-5131	21-601081	7.0–8.0	QBT3	0.69	—	0.463	13.8	—	—	—
RE21-07-6392	21-601081	12.0–13.0	QBT3	0.368	—	0.256	3.06	0.301	—	—
RE21-07-5132	21-601082	2.0–3.0	ALLH	2.73	—	1.83	28.4	—	—	—
RE21-07-5133	21-601082	7.0–8.0	QBT3	1.41	—	0.568	3.16	—	2.25	0.128
RE21-07-6385	21-601082	12.0–13.0	QBT3	0.369	—	0.223	1.85	0.21	—	0.127

Note: All values in pCi/g.

[a] Fallout radionuclide—fallout values apply only to samples from 0–0.5 ft bgs.

[b] Background/fallout values are from LANL 1998, 059730.

[c] na = Not available.

[d] All values from LANL (LANL 2005, 088493).

[e] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Table F-4.1-1
Summary of Inorganic Chemicals above BV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V Background Value[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 Background Value[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial Soil Screening Levels[b]				**454**	**17.7**	**100000**	**564**	**na**[c]	**5000**[d]	**20500**	**45400**	**13700**	**800**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—[e]	—	—	—	—	—	—	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-3509	26-600773	7.5–9.0	QBT3	—	—	—	—	—	34.4	—	6.84	—	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	—	6.48	—	—	10600 (J+)	—	—	—	—	—
RE26-07-3511	26-600774	5.1–7.0	QBT2	—	6.02	46.3	—	18400 (J+)	10.7 (U)	—	—	—	—
RE26-07-3512	26-600774	7.6–9.0	QBT2	—	3.74	—	—	4150 (J+)	12.9 (U)	—	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	4.47	72.2	—	18700 (J+)	—	—	—	—	—
RE26-07-3514	26-600775	2.5–3.0	QBT2	—	4.1	—	—	8160 (J+)	—	—	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	4.8	76.5	—	10400 (J+)	—	—	5.63	—	13.6
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	4.64	54.3	—	16000 (J+)	—	—	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	—	3.45	84.4	0.494 (U)	15100	6.07	2.35	4.6	—	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	—	3.31	72.2	0.502 (U)	15500	3.58	1.8	3.64	—	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	2.76	55.9	0.511 (U)	6640	3.83	2.05	3.45	—	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	2.88	60.5	0.508 (U)	—	5.81 (J)	2.97	3.73	—	—
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	1.97	33.5	0.499 (U)	—	7.88 (J)	—	—	—	—
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	2.85	37.3	0.504 (U)	5310	3.62 (J)	—	—	—	—
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	2.71	40.1	0.496 (U)	4690	3.46 (J)	—	—	—	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	2.13	—	0.515 (U)	3710	6.02 (J)	—	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	0.488 (U)	—	4.02 (J)	—	—	—	—
RE26-07-3533	26-600781	4.8–5.8	QBT1V	—	2.3	—	0.504 (U)	—	3.65 (J)	—	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	1.89	44.9	0.508 (U)	—	3.61	2.14	—	—	—
RE26-07-3538	26-600783	3.5–4.5	QBT1V	—	—	—	0.488 (U)	—	—	—	—	—	—
RE26-07-3539	26-600783	5.5–6.1	QBT1V	—	—	—	0.498 (U)	—	2.88	—	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	3.85	87.4	0.503 (U)	7680	5.71 (J)	2.07	—	—	—
RE26-07-3541	26-600784	2.7–3.3	QBT1V	—	—	—	0.487 (U)	—	6.5 (J)	—	—	—	—
RE26-07-3543	26-600785	0.8–1.3	QBT1V	—	1.85	—	0.481 (U)	—	4.76 (J)	—	—	—	—
RE26-07-3544	26-600785	2.0–3.3	QBT1V	—	—	—	0.498 (U)	—	4.13 (J)	—	—	—	—
RE26-07-3545	26-600785	4.8–5.3	QBT1V	—	—	—	0.497 (U)	—	4.04 (J)	—	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	2.03	—	0.483 (U)	3810	5.34 (J)	—	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	—	—	—	0.503 (U)	—	—	—	—	—	—
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	0.5 (U)	—	4.62 (J)	—	—	—	—

Table F-4.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V Background Value[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 Background Value[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial Soil Screening Levels[b]				**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**20500**	**45400**	**13700**	**800**
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	2.74	69.6	0.515 (U)	8260	3.63 (J)	1.97	3.71	—	—
RE26-07-3553	26-600788	2.7–3.2	QBT1V	—	2.16	41.4	0.499 (U)	—	5.8 (J)	—	—	—	—
RE26-07-3554	26-600788	4.7–5.2	QBT1V	—	—	—	0.49 (U)	—	4.74 (J)	—	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	—	3.09	75	0.515 (U)	—	6.22 (J)	3.74	4.37	—	—
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	2.67	65.4	0.512 (U)	—	7.49 (J)	3.33	—	0.604	—
RE26-07-3557	26-600789	4.5–5.0	QBT1V	—	—	—	0.482 (U)	—	4.08	—	—	—	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	—	2.72	44.1	0.501 (U)	5170 (J-)	4.27	—	—	0.74	—
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	0.48 (U)	—	9.25	—	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	—	—	—	0.499 (U)	4990 (J-)	—	—	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	0.482 (U)	—	3.38	—	—	—	—
RE26-07-3564	26-600792	0.5–2.0	QBT1V	—	3.5	—	0.504 (U)	9510 (J-)	3.35	—	—	—	—
RE26-07-3565	26-600792	2.5–3.2	QBT1V	—	2.02	—	0.492 (U)	—	4.6	—	—	—	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	4.28	68.2	—	9870 (J+)	7.93 (J)	—	5.83	—	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7046	26-600911	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	—	4050 (J+)	—	—	—	—	—
RE26-08-7042	26-600912	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7043	26-600912	5.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	3.58	61.6	—	3840 (J+)	—	—	—	—	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	3.87	—	—	—	—	—	—	—	—
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-08-7035	26-600914	0.5–2.7	QBT3	—	3.41	—	—	7570 (J+)	—	—	—	—	—
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	3.54	—	—	6680 (J+)	—	—	—	—	—
RE26-08-7037	26-600914	6.0–8.5	QBT3	—	3.48	—	—	7520 (J+)	7.35 (J)	—	—	—	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	0.627 (J-)	4.04	102	—	13300 (J-)	—	—	6.33	—	12.6
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	3.07	49.5	—	—	—	—	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	—	5.45	107	—	30400	—	—	5.53	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	3.73	—	—	—	8.03 (U)	—	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	—	4.12	58.5	—	4270	—	—	5.52	—	17.6
RE26-07-4221	26-600917	0.0–2.5	QBT3	—	8.34	102	—	26800	—	—	—	—	—

Table F-4.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	Copper	Cyanide (Total)	Lead
QBT1V Background Value[a]				**0.5**	**1.81**	**26.5**	**0.4**	**3700**	**2.24**	**1.78**	**3.26**	**0.5**	**18.4**
QBT2/QBT3 Background Value[a]				**0.5**	**2.79**	**46**	**1.63**	**2200**	**7.14**	**3.14**	**4.66**	**0.5**	**11.2**
Industrial Soil Screening Levels[b]				**454**	**17.7**	**100000**	**564**	**na[c]**	**5000[d]**	**20500**	**45400**	**13700**	**800**
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	3.41	—	—	—	—	—	—	—	—
RE26-07-4223	26-600917	5.0–9.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	3.22	89.9	—	8370 (J-)	—	—	—	—	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	3.65	—	—	—	8.72	—	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	—	7.89	—	—	—	—
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	3.87	112	—	11200 (J-)	—	—	5.95	—	11.3
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	3.33	148	—	12300 (J-)	—	3.8	9.74	—	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	6.75	—	—	—	7.49 (U)	—	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	2.96	—	—	—	—	—	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	—	4.45	75.4	—	17000	—	—	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	4.47	75.9	1.71 (J)	17900	24.9 (J-)	—	5.37 (J)	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	3.81	56.3	—	7170	8.95 (J-)	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	—	3.39	72.8	—	10400	7.93 (J-)	—	—	0.531	17.4
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	4.27	95	—	28100 (J+)	—	—	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	3240 (J+)	9.7 (J)	—	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	—	—	—	—	—	94.1
RE26-07-4245	26-600925	0.5–3.0	QBT3	—	—	54.9	—	11000 (J)	—	—	—	—	—
RE26-07-4246	26-600925	3.0–5.5	QBT3	—	—	—	—	2220 (J)	16.7 (U)	—	—	—	—
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	4.18	81.8	—	6130	—	—	6.75	—	12.1
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	—	—	14.6	—	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	—	4.48	194	—	23900	—	—	6.68	—	—
RE26-07-4254	26-600928	0.0–2.5	QBT3	—	4.31	79.1	—	18500 (J)	18.8 (J)	—	5.66 (J)	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	5300 (J)	11.5 (U)	—	—	—	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	4.27	—	—	7060	—	—	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	—	—	—	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	—	—	—	—	—	1.86	—

Table F-4.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V Background Value[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 Background Value[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial Soil Screening Levels[b]				**na**	**48400**	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—	—	—	—	—	5.44	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	0.662 (J-)	—	5.51	—	—	—
RE26-07-3509	26-600773	7.5–9.0	QBT3	—	—	—	—	—	7.18	—	—	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	1770 (J+)	—	—	0.716 (J-)	0.00169 (J)	10.1	—	22.8 (J)	—
RE26-07-3511	26-600774	5.1–7.0	QBT2	—	—	—	—	0.000947 (J)	15.7	—	—	—
RE26-07-3512	26-600774	7.6–9.0	QBT2	—	—	—	—	0.000521 (J)	6.36	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	—	—	4.41 (J-)	0.000539 (J)	10.5	—	—	—
RE26-07-3514	26-600775	2.5–3.0	QBT2	—	—	—	2.59 (J-)	—	7.7	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	—	—	3.21 (J-)	0.00194 (J)	13.9	—	—	—
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	—	—	—	0.000777 (J)	12.6	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	1610 (J+)	—	6.27	2.92	—	11.4	—	13.9	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	1240 (J+)	—	5.43	15.9	0.000676 (J)	9.74	—	11.4	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	1010 (J+)	—	4.71	50.6	0.00148 (J)	6.46	—	7.17	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	1010 (J+)	—	5.2	3.35	—	9.59	—	10.4	—
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	—	3.26	2.43	—	6.69	—	5.41	—
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	—	3.29	4.28	—	6.85	—	5.61	—
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	—	4.55	25.2	0.0038	7.35	—	5.93	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	—	2.6	1.04	—	6.93	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	2.69	0.00122 (J)	4.91	—	—	—
RE26-07-3533	26-600781	4.8–5.8	QBT1V	—	—	—	1.67	0.0019 (J)	5.08	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	791 (J+)	—	4.58	4.15	—	5.55	—	7	—
RE26-07-3538	26-600783	3.5–4.5	QBT1V	—	—	—	1.42	—	4.06	—	—	—
RE26-07-3539	26-600783	5.5–6.1	QBT1V	—	—	—	0.885 (J)	—	4.1	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	1260 (J+)	—	5.75	1.18	0.00066 (J)	10.8	—	10.4	—
RE26-07-3541	26-600784	2.7–3.3	QBT1V	—	—	—	0.979 (J)	—	6.04	—	—	—
RE26-07-3543	26-600785	0.8–1.3	QBT1V	—	—	—	1.18	—	5.44	—	—	—
RE26-07-3544	26-600785	2.0–3.3	QBT1V	—	—	—	1.09	—	4.64	—	—	—
RE26-07-3545	26-600785	4.8–5.3	QBT1V	—	—	—	—	—	4.39	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	—	—	1.55	—	4.1	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	—	—	2.96	1.31	—	5.08	—	5.22	—
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	—	—	4.53	—	—	—
RE26-07-3552	26-600788	0.7–1.2	QBT1V	1040 (J+)	—	4.12	1.11	—	9.02	—	12.1	—
RE26-07-3553	26-600788	2.7–3.2	QBT1V	888 (J+)	—	3.36	1.52	—	6.83	—	7.6	—
RE26-07-3554	26-600788	4.7–5.2	QBT1V	—	—	—	1.3	—	3.5	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	1130 (J+)	—	6.26	—	0.0012 (J)	11	—	13.7	—

Table F-4.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V Background Value[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 Background Value[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial Soil Screening Levels[b]				**na**	**48400**	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
RE26-07-3556	26-600789	2.5–3.0	QBT1V	994 (J+)	—	5.65	1.24	—	9.68	—	11.7	—
RE26-07-3557	26-600789	4.5–5.0	QBT1V	—	—	—	0.971 (J)	—	5.6	—	5.11	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	873 (J+)	—	3.89	1.39	0.000894 (J)	7.65	—	6.63	—
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	1.21	0.000731 (J)	5.15	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	—	—	—	1.61	—	4.42	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	0.978 (J)	—	3.12	—	—	—
RE26-07-3564	26-600792	0.5–2.0	QBT1V	—	—	—	1.26	—	4.83	—	—	—
RE26-07-3565	26-600792	2.5–3.2	QBT1V	—	—	—	—	—	3.04	—	—	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	9.21	—	—	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	—	7.28	—	—	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	—	7.28	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	—	7.45	—	—	12.1	—	—	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	6.37	—	—	—
RE26-08-7046	26-600911	5.5–8.5	QBT3	—	—	—	—	—	6.42	—	—	—
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	0.75 (J)	—	9.15	—	—	—
RE26-08-7042	26-600912	3.5–5.5	QBT3	—	—	—	—	—	6.12	—	—	—
RE26-08-7043	26-600912	5.5–11.0	QBT3	—	—	—	—	—	7.34	—	—	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	—	7.3	1.61	0.000665 (J)	10.8	—	—	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	881	—	—	0.000732 (J)	9.74	—	—	72.5
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	—	7.05	—	—	—
RE26-08-7035	26-600914	0.5–2.7	QBT3	—	—	—	—	—	8.13	—	—	—
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	—	—	—	—	8.66	—	—	—
RE26-08-7037	26-600914	6.0–8.5	QBT3	—	—	—	—	—	9.56	—	—	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	1770 (J+)	—	7.44 (U)	1.07 (J)	0.000863 (J+)	13.3	—	—	—
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	—	9.55	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	7.87	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	1750 (J+)	—	8.44	0.889 (J)	0.00079 (J)	16.3	—	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	492	—	7.43	—	7.63	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	1730 (J+)	—	—	7.12	—	12.7	—	—	—
RE26-07-4221	26-600917	0.0–2.5	QBT3	2040 (J+)	—	—	5.52	0.000656 (J)	15.4	—	22.4	—
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	—	—	—	—	6.47	—	—	—
RE26-07-4223	26-600917	5.0–9.0	QBT3	—	—	—	—	—	5.06	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	—	9.96	—	—	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	—	—	—	—	9.28	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	—	6.62	—	—	—

Table F-4.1-1 (continued)

Sample ID	Location ID	Depth (ft)	Media	Magnesium	Manganese	Nickel	Nitrate	Perchlorate	Selenium	Thallium	Vanadium	Zinc
QBT1V Background Value[a]				**780**	**408**	**2**	**na**	**na**	**0.3**	**1.24**	**4.48**	**84.6**
QBT2/QBT3 Background Value[a]				**1690**	**482**	**6.58**	**na**	**na**	**0.3**	**1.1**	**17**	**63.5**
Industrial Soil Screening Levels[b]				**na**	**48400**	**22700**	**100000**	**790**[d]	**5680**	**74.9**	**1140**	**100000**
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	7.63 (U)	2.29	0.00191 (J+)	12.3	—	—	—
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	—	5.97	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	—	6.15	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	1940 (J+)	—	12.1 (U)	2.06	—	15.1	—	18.2	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	—	—	—	—	5.02	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	—	—	—	—	8.23	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	—	—	—	3.85	—	8.27 (J)	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	3.51	—	13.6 (J)	—	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	—	—	6.47	—	6.05 (J)	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	—	—	—	4.14	0.00131 (J)	7.55 (J)	—	—	—
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	533	7.62	—	—	17	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	—	7.82	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	—	6.48	1.27 (U)	—	—
RE26-07-4245	26-600925	0.5–3.0	QBT3	1840	—	—	0.819 (J)	0.0014 (J)	1.59 (U)	—	—	—
RE26-07-4246	26-600925	3.0–5.5	QBT3	—	—	—	—	—	1.49 (U)	—	—	—
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	—	0.62 (J)	—	—	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	—	4.5 (J-)	—	9.05	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	1.23 (J-)	—	5.61	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	1950 (J+)	—	—	5.52 (J-)	0.00141 (J)	14.9	—	—	—
RE26-07-4254	26-600928	0.0–2.5	QBT3	—	—	—	—	—	0.616 (J)	—	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	—	1.52 (U)	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	—	1.48 (U)	—	—	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	—	—	2.58	—	6.46	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	—	6.01	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	1.03	—	5.78	—	—	—

Note: All values in mg/kg.

[a] Background values are from LANL 1998, 059730.

[b] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[c] na = Not available.

[d] EPA Region 6 (EPA 2007, 095866).

[e] — = Analyte not reported (detect or nondetect) above BV or not detected.

Table F-4.1-2
Summary of Inorganic Chemicals above BV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Acetone	Aroclor-1248	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Fluoranthene	Hexanone[2-]	Isopropyltoluene[4-]	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[a]				**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**2310**	**24400**	**48700**[b]	**389**[c]	**20500**	**30900**	**252**
RE26-07-3511	26-600774	5.1–7.0	QBT2	—[d]	0.0301	—	—	—	—	—	—	—	0.000896 (J)	—	—	—
RE26-07-3513	26-600775	0.5–1.5	QBT3	0.00452 (J)	—	—	—	—	—	—	—	—	—	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000676 (J+)
RE26-07-3517	26-600776	2.6–3.1	QBT2	0.00596 (J)	—	—	—	—	—	—	—	—	—	—	—	0.000915 (J)
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000696 (J)
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	0.073	—	—	—	—	—	—	—	—	—	—	0.0012
RE26-07-3526	26-600779	2.5–2.9	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000479 (J)
RE26-07-3528	26-600780	0.7–1.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000485 (J)
RE26-07-3529	26-600780	3.2–3.9	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000818 (J)
RE26-07-3531	26-600781	0.8–1.6	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000823 (J)
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000344 (J)
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00087 (J)
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00034 (J)
RE26-07-3550	26-600787	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00048 (J)
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000428 (J)
RE26-07-3553	26-600788	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.00123
RE26-07-3555	26-600789	0.5–1.0	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000536 (J)
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	—	—	—	—	—	—	—	—	0.00237	—	—	0.000721 (J)
RE26-07-3558	26-600790	0.7–1.2	QBT1V	—	—	—	0.0106 (J)	—	—	0.0104 (J)	0.0114 (J)	—	—	—	0.0105 (J)	0.00118
RE26-07-3559	26-600790	2.7–3.2	QBT1V	—	—	—	—	—	—	—	—	—	—	—	—	0.000336 (J)
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	—	—	—	—	0.00163 (J+)	—	—	—	—
RE26-08-7044	26-600911	0.5–3.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000377 (J)
RE26-08-7041	26-600912	0.8–3.5	QBT3	—	—	—	0.0405	0.0262 (J)	0.0489	0.0216 (J)	0.0647	—	—	0.0334 (J)	0.0454	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	—	—	—	—	—	—	—	0.0128 (J)	—	—	—	0.0166 (J)	0.000989 (J)
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000398 (J)
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	—	—	—	—	0.00218 (J)	—	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.000498 (J)
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.00182
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	—	—	—	—	—	—	—	—	—	—	—	0.00524
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	—	—	—	—	—	—	—	—	—	0.00073 (J+)

Table F-4.1-2 (continued)

Sample ID	Location ID	Depth (ft)	Media	Acetone	Aroclor-1248	Aroclor-1260	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Fluoranthene	Hexanone[2-]	Isopropyltoluene[4-]	Phenanthrene	Pyrene	Toluene
Industrial Soil Screening Levels[a]				**100000**	**8.26**	**8.26**	**23.4**	**2.34**	**23.4**	**2310**	**24400**	**48700**[b]	**389**[c]	**20500**	**30900**	**252**
RE26-07-4236	26-600922	1.0–1.8	QBT3	—	—	0.0041 (J)	—	—	—	—	—	—	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	0.00331 (J)	—	0.0073 (J)	—	—	—	—	—	—	—	—	—	0.000579 (J+)
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	0.0513	—	—	0.0123 (J)	—	0.013 (J)	—	—	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	0.0108	—	—	—	—	—	—	—	—	—	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	—	—	0.0053	—	—	—	—	—	—	—	—	—	—

Note: All values in mg/kg.

[a] All values from NMED (NMED 2006, 092513) unless otherwise noted.

[b] 2-Butanone used as a surrogate.

[c] Isopropylbenzene used as a surrogate.

[d] — = Analyte not detected.

Table F-4.1-3
Summary of Radionuclides Detected or Detected above BV/FV at TA-26

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V Background/Fallout Value[a]				**na**[b]	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 Background/Fallout Value[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial Screening Action Levels[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-07-3507	26-600773	3.1–5.0	QBT3	—[d]	—	—	—	0.0374977	—	—	—
RE26-07-3508	26-600773	5.1–7.1	QBT3	—	—	—	—	—	—	0.0921	—
RE26-07-3510	26-600774	3.1–5.1	QBT3	—	—	—	—	0.273009	2.51	0.125	2.54
RE26-07-3513	26-600775	0.5–1.5	QBT3	—	—	—	—	0.17849	—	—	—
RE26-07-3516	26-600776	0.6–1.1	QBT3	0.514	—	0.0269 (J-)	—	—	—	—	—
RE26-07-3517	26-600776	2.6–3.1	QBT2	—	—	—	—	0.0890857	—	—	—
RE26-07-3522	26-600777	0.8–1.9	QBT1V	—	—	—	—	0.442916	—	—	—
RE26-07-3523	26-600777	2.8–3.4	QBT1V	—	—	—	—	0.0973961	—	—	—
RE26-07-3519	26-600778	2.5–3.1	QBT1V	—	—	—	—	0.0125885	—	—	—
RE26-07-3525	26-600779	0.5–1.4	QBT1V	—	—	—	—	0.00547492	—	—	—
RE26-07-3531	26-600781	0.8–1.6	QBT1V	0.243	—	—	—	—	—	—	—
RE26-07-3532	26-600781	2.8–3.4	QBT1V	—	—	—	—	0.00916236	—	—	—
RE26-07-3537	26-600783	1.0–2.5	QBT1V	—	1.43	0.154	—	—	—	—	—
RE26-07-3540	26-600784	0.7–1.3	QBT1V	—	—	—	—	0.0488085	—	—	—
RE26-07-3546	26-600786	0.5–1.2	QBT1V	—	—	—	—	0.04224	—	—	—
RE26-07-3549	26-600787	0.7–1.2	QBT1V	0.36	—	—	—	0.0366175	—	—	—
RE26-07-3552	26-600788	0.7–1.2	QBT1V	—	—	—	—	0.00940406	—	—	—
RE26-07-3555	26-600789	0.5–1.0	QBT1V	0.177	—	—	—	0.0129471	—	—	—
RE26-07-3556	26-600789	2.5–3.0	QBT1V	—	—	—	—	0.0408419	—	—	—
RE26-07-3558	26-600790	0.7–1.2	QBT1V	0.164	—	—	—	0.0160767	—	—	—
RE26-07-3561	26-600791	0.5–1.0	QBT1V	0.224	—	—	0.164	—	—	—	—
RE26-07-3562	26-600791	2.5–3.2	QBT1V	—	—	—	—	—	—	0.173	—
RE26-08-7047	26-600910	3.5–5.5	QBT3	—	—	—	—	0.0639466	—	0.112	—
RE26-08-7048	26-600910	5.5–8.5	QBT3	—	—	—	—	0.108985	—	0.0933	—
RE26-08-7049	26-600910	8.5–11.0	QBT3	—	—	—	—	0.39062	—	0.0927	—
RE26-08-7045	26-600911	3.5–5.5	QBT3	—	—	—	—	—	—	0.111	—
RE26-08-7038	26-600913	0.5–3.5	QBT3	—	—	—	—	—	—	0.0918	—
RE26-08-7039	26-600913	3.5–5.5	QBT3	—	—	—	—	0.0232274	—	0.101	—
RE26-08-7040	26-600913	5.5–8.5	QBT3	—	—	—	—	0.0236356	—	0.0911	—

Table F-4.1-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V Background/Fallout Value[a]				**na[b]**	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 Background/Fallout Value[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial Screening Action Levels[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-08-7036	26-600914	3.5–6.0	QBT3	—	—	—	—	—	—	0.128	—
RE26-07-4215	26-600915	1.5–2.0	QBT3	—	—	—	—	0.0573405	—	—	—
RE26-07-4216	26-600915	3.5–4.5	QBT3	—	—	—	—	0.0618511	—	—	—
RE26-07-4217	26-600915	6.0–7.5	QBT3	—	—	—	—	0.16949	—	—	—
RE26-07-4218	26-600916	1.0–3.5	QBT3	—	—	—	—	0.0275419	—	—	—
RE26-07-4219	26-600916	3.5–5.5	QBT3	—	—	—	—	0.0520392	—	—	—
RE26-07-4220	26-600916	5.5–9.5	QBT3	—	—	—	—	0.280074	—	—	—
RE26-07-4221	26-600917	0.0–2.5	QBT3	0.189	—	—	—	0.0224571	—	—	—
RE26-07-4222	26-600917	2.5–5.0	QBT3	—	—	—	—	0.0212409	—	—	—
RE26-07-4224	26-600918	2.1–2.6	QBT3	—	—	—	—	0.0209038	—	0.0945	—
RE26-07-4225	26-600918	4.1–5.6	QBT3	—	—	—	0.13	0.0345999	—	—	—
RE26-07-4226	26-600918	6.6–13.5	QBT3	—	—	—	—	0.507251	—	—	—
RE26-07-4227	26-600919	2.6–3.1	QBT3	—	—	—	—	0.157226	—	—	—
RE26-07-4228	26-600919	4.6–7.0	QBT3	—	—	—	—	0.0136797	—	—	—
RE26-07-4229	26-600919	8.0–10.2	QBT3	—	—	—	—	0.0519242	—	—	—
RE26-07-4230	26-600920	2.5–3.0	QBT3	—	—	—	—	0.0502996	—	—	—
RE26-07-4231	26-600920	3.5–5.0	QBT3	—	—	—	—	0.0469744	—	—	—
RE26-07-4232	26-600920	7.0–9.0	QBT3	—	—	—	—	0.0244345	—	—	—
RE26-07-4233	26-600921	0.9–2.1	QBT3	0.311	—	—	—	0.0167871	—	—	—
RE26-07-4234	26-600921	2.9–3.5	QBT2	—	—	—	—	0.038172	—	—	—
RE26-07-4236	26-600922	1.0–1.8	QBT3	0.415	—	0.0769 (J)	—	—	—	—	—
RE26-07-4239	26-600923	1.2–1.7	QBT3	0.2	—	—	—	0.0188317	—	—	—
RE26-07-4245	26-600925	0.5–3.0	QBT3	—	—	—	—	—	2.65	0.187	2.61
RE26-07-4247	26-600925	5.5–8.0	QBT3	—	—	—	—	0.0232763	—	0.0919	—
RE26-07-4248	26-600926	0.8–1.4	QBT3	—	—	—	—	0.100239	—	—	—
RE26-07-4249	26-600926	2.8–3.2	QBT2	—	—	—	—	0.00832311	—	0.124	—
RE26-07-4251	26-600927	2.0–3.0	QBT3	0.281	—	—	—	0.082043	—	—	—
RE26-07-4255	26-600928	2.5–4.5	QBT3	—	—	—	—	0.00733878	—	—	—
RE26-07-4256	26-600928	4.5–6.9	QBT3	—	—	—	—	0.00826904	—	0.107	—
RE26-07-4257	26-600929	2.5–4.7	QBT3	—	—	—	—	0.0424488	—	—	—
RE26-07-4258	26-600929	4.5–7.0	QBT3	—	—	—	—	0.0538452	—	—	—
RE26-07-4259	26-600929	7.0–10.8	QBT3	—	—	—	—	—	—	0.0977	—

Table F-4.1-3 (continued)

Sample ID	Location ID	Depth (ft)	Media	Cesium-137	Plutonium-238	Plutonium-239/240	Strontium-90	Tritium	Uranium-234	Uranium-235	Uranium-238
QBT1V Background/Fallout Value[a]				**na[b]**	**na**	**na**	**na**	**na**	**3.12**	**0.14**	**3.05**
QBT2/QBT3 Background/Fallout Value[a]				**na**	**na**	**na**	**na**	**na**	**1.98**	**0.09**	**1.93**
Industrial Screening Action Levels[c]				**23**	**240**	**210**	**1900**	**440000**	**1500**	**87**	**430**
RE26-08-7032	26-600924	0.5–3.0	QBT3	—	—	—	—	0.0173553	—	—	—
RE26-08-7033	26-600924	3.5–5.5	QBT3	—	—	—	—	0.0143531	—	—	—
RE26-08-7034	26-600924	5.5–11.0	QBT3	—	—	—	—	0.00634808	—	—	—

Note: All values in pCi/g.

[a] Background/fallout values are from LANL 1998, 059730.

[b] na = Not available.

[c] All values from LANL (LANL 2005, 088493).

[d] — = Analyte not reported (detect or nondetect) above BV/FV or not detected.

Appendix G

Investigation-Derived Waste Storage and Disposal

G-1.0 INTRODUCTION

This appendix contains a brief discussion, and the waste management records for waste streams generated during the implementation of the investigation work plan for Middle Los Alamos Canyon Aggregate Area at Technical Areas (TAs) 02, TA-26, and -61 of Los Alamos National Laboratory (LANL or the Laboratory).

All investigation-derived waste (IDW) generated during the field investigation was managed in accordance with the procedures described in Appendix B of the approved investigation work plan (LANL 2006, 092571.12) and applicable standard operating procedures (SOPs). These SOPs incorporate the requirements of all applicable U.S. Environmental Protection Agency and New Mexico Environment Department regulations, U.S. Department of Energy orders, and Laboratory implementation requirements. The SOP applicable to the characterization and management of IDW at Middle Los Alamos Canyon Aggregate Area is EP-ERSS-SOP-5022, Characterization and Management of Environmental Restoration (ER) Project Waste.

Consistent with Laboratory procedures, a waste characterization strategy form (WCSF) was prepared for the waste anticipated from the field investigation to preidentify and plan for the anticipated wastes, their respective waste characterization approaches, and applicable on-site storage and final disposal methods. The original WCSF identified five potential waste streams, four of which were actually generated (waste stream #5, petroleum-contaminated soil, was not generated). Three additional waste streams were encountered during the investigation, and WCSF amendments were prepared to address these waste streams. The WCSF and its amendments are attached.

The selection of waste containers was based on appropriate U.S. Department of Transportation requirements, waste types, and estimated volumes of IDW to be generated. Immediately following containerization, each waste container was individually labeled with a unique identification number and with information regarding waste classification, contents, radioactivity, and date generated. The wastes were staged in clearly marked and appropriately constructed waste accumulation areas. Waste accumulation area postings, regulated storage duration, and inspection requirements were based on the type of IDW and its classification. Container and storage requirements were detailed in the WCSF and approved before waste was generated.

Wastes, except industrial wastes, were initially placed in satellite or less than 90-d accumulation areas, pending completion of characterization. If the wastes were determined to be nonhazardous, they were staged in areas appropriate to the type of waste. The analytical data and/or acceptable knowledge (AK) for the waste was used to develop waste profile forms (WPFs). When the waste is ready to ship, a chemical waste disposal request (CWDR) form or consolidated remote waste storage site (CRWSS) disposal request form is generated. The final WPFs, CWDRs and CRWSSs that were available at the time of submittal of this report have been attached. The IDW streams associated with the investigation of Middle Los Alamos Canyon Aggregate Area are identified in Table G-1.0-1 and are summarized below.

G-2.0 MUNICIPAL SOLID WASTE

WCSF Waste #1

Municipal solid waste, including all noncontact trash and debris and empty sample preservation containers, were managed as nonhazardous, nonradioactive waste. All municipal solid waste was stored in plastic-lined trash cans and disposed of at the County of Los Alamos landfill.

G-3.0 IDW

WCSF Waste #2

IDW includes spent personal protective equipment, contaminated sampling supplies, and dry decontamination waste. All IDW was managed as low-level radioactive waste (LLW). Characterization of the waste was conducted using AK of the processes as well as analytical data obtained from the direct sampling of the borehole cuttings. Approximately 2 m^3 of IDW was generated and stored on-site in plastic lined 30-gal. and 55-gal. drums. The IDW was disposed of at TA-54, Area G.

G-4.0 RAD VAN RETURNED SAMPLES

WCSF Waste #3

This waste stream comprises returned soil and tuff samples from American Radiation Services (Rad Van). The Rad Van returned samples that were characterized as industrial waste, based on direct sampling of the containerized waste. All returned Rad Van samples were stored in a 55-gal. drum and were anticipated to be disposed of at the waste management industrial landfill in Rio Rancho, New Mexico. The approximate volume of waste generated was 0.2 m^3.

G-5.0 BOREHOLE CUTTINGS AND EXCAVATED SOIL

WCSF Waste #4

This waste stream consisted of soil and tuff cuttings from boreholes and soil excavated during exploratory trenching. Based on direct sampling, part of the waste was characterized as solid LLW and part as Industrial waste. These borehole cuttings were containerized in either 20 yd^3 rolloff containers, 55-gal. drums, or B-12 containers. The LLW was disposed of at TA-54 Area G, and the industrial waste is expected to be disposed of at the waste management industrial landfill in Rio Rancho, New Mexico. The volume of borehole cutting generated and disposed of was approximately 57 m^3.

G-6.0 EXCAVATED CAST IRON PIPE AND SOIL

WCSF Waste #6 and #7

This waste stream was composed of soil and cast-iron pipe that was removed during exploratory trenching at TA-26. It was characterized as industrial waste, based on direct sampling. The waste generated was managed in a staging area near the point of generation and stored in a 20 yd^3 rolloff container. The excavated cast-iron pipe and soil is expected to be disposed of at the waste management industrial landfill in Rio Ranch, New Mexico. The volume of waste generated was approximately 14 m^3.

G-7.0 EXCAVATED STEEL PIPE CONTAINING LEAD AND POLYCHLORINATED BIPHENYL SHEATHED ELECTRICAL WIRES

WCSF Waste #8

This waste stream comprises steel pipe that contains lead and polychlorinated biphenyl- (PCB-) sheathed electrical wires that were removed during trenching at TA-26. It was characterized based on AK and was

characterized as hazardous waste for lead and PCBs. The waste generated was stored in a 55-gal. drum within a satellite accumulation area and disposed of at an authorized off-site disposal facility.

G-8.0 REFERENCES

The following list includes all documents cited in this appendix. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy–Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

LANL (Los Alamos National Laboratory), May 2006. "Investigation Work Plan for Middle Los Alamos Canyon Aggregate Area, Revision 1," Los Alamos National Laboratory document LA-UR-06-3015, Los Alamos, New Mexico. (LANL 2006, 092571.12)

Table G-1.0-1
Summary of IDW Generation and Management

Waste Stream	Waste Type	Volume	Characterization Method	On-Site Management	Disposition
Municipal Solid Waste	Nonhazardous	0.8 m^3	AK (process knowledge, noncontact waste)	55-gal. drums	Los Alamos County Landfill
IDW	Low level	2 m^3	Direct sampling of cuttings and soil in contact with the IDW	30- and 55-gal. drums	Laboratory TA-54 Area G
Rad Van Returned Samples	Industrial	0.2 m^3	Direct sampling	55-gal. drum	Intended path: waste management industrial landfill, in Rio Rancho, New Mexico
Borehole Cuttings and Excavated Soil	Low level and industrial	57 m^3	Direct sampling	55-gal. drums, B-12, and 20 yd^3 rolloff containers	LLW disposed of at Laboratory TA-54 Area G; ; industrial waste expected disposal of at waste management industrial landfill, in Rio Rancho, New Mexico
Excavated Cast-Iron Pipe and Soil	Industrial	14 m^3	Direct sampling	20 yd^3 rolloff container	Intended path: waste management industrial landfill, in Rio Rancho, New Mexico
Excavated Steel Pipe and Lead-Sheathed Electrical Wires	Hazardous	0.2 m^3	AK (visual Inspection and Notice 0188)	55-gal. drum	Intended path: off-site approved treatment, storage, and disposal facility