
Report

Preliminary Site Characterization Report

Prepared for
U.S. Army Corps of Engineers

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301 West Northern Lights Boulevard, Suite 601
Anchorage, Alaska 99503-2662
(907) 278-2551

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Abbreviations

ADEC	Alaska Department of Environmental Conservation
AFB	Air Force Base
AVMA	Armored Vehicle Maintenance Area
bgs	below ground surface
CDD	chlorinated dibenzodioxin
CDF	chlorinated dibenzofuran
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CRREL	Cold Regions Research and Engineering Laboratory
DoD	U.S. Department of Defense
DPW	U.S. Army, Directorate of Public Works
DRO	diesel-range organic compounds
E&E	Ecology & Environment, Inc.
EPA	U.S. Environmental Protection Agency
FFA	Federal Facility Agreement
FS	feasibility study
GPR	ground-penetrating radar
GRO	gasoline-range organic compounds
HLA	Harding Lawson Associates
HRS	Hazardous Ranking System
IDW	investigation-derived waste
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
ND	nondetect

NPL	National Priorities List
ODU	Operable Unit D
OUE	Operable Unit E
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
PID	photoionization detector
ppm	parts per million
PRGs	preliminary remediation goals
PVC	polyvinyl chloride
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RI	remedial investigation
ROD	Record of Decision
RPM	Remedial Project Manager
SARA	Superfund Amendments and Reauthorization Act of 1986
SVOC	semivolatile organic compound
TCDD	tetrachlorodibenzo- <i>p</i> -dioxin
TCE	trichloroethylene
USACE	U.S. Army Corps of Engineers
UST	underground storage tank
VOC	volatile organic compound

SECTION 1

Introduction

This report presents a preliminary site characterization of the remedial investigation (RI) activities at the Fort Richardson, Operable Unit E (OUE) and provides a summary of soil and groundwater analytical results. The objective of this report is to provide a summary of the field data in a brief report to the Remedial Project Manager (RPM). Additionally, the report will aid in the preparation of the Remedial Investigation Report. This report is prepared for the U.S. Army Corps of Engineers (USACE) and U.S. Army Alaska, Directorate of Public Works (DPW) as authorized under contract DAPA85-02-D-0003, Delivery Order Number 2.

The work documented in this report generally followed the Management Plan described in ENSR's *Final Management Plan, Operable Unit E Remedial Investigation/Feasibility Study, Fort Richardson, Alaska* (ENSR, 2002). Additional clarification was provided during a project scoping meeting with the RPMs held before the work commenced. Deviations from the work plan are provided in Section 1.6.

Sampling of trenches, soil borings, and groundwater monitoring wells was used to investigate potential contaminants of concern in surface and subsurface soils and groundwater. Two sites within OUE, Building 35-752 and the Armored Vehicle Maintenance Area (AVMA), were investigated to assess potential impacts from fuel-related compounds, polychlorinated biphenyls (PCBs), pesticides, solvents, metals, and dioxin/furans from a variety of sources.

1.1 Organization of the Report

This Preliminary Site Characterization Report contains the following sections:

- Section 1: Introduction–Fort Richardson Background and Setting, Objectives, OUE Investigation Areas, and Previous Investigations
- Section 2: Project Methods–Field Investigation Methods, Analytical Program, Field Screening Procedures, and Waste Management
- Section 3: Site Investigation–Sites included in this section are Building 35-752 Source Area and the AVMA
- Section 4: Nature and Extent of Contamination–Sites included in this section are Building 35-752 Source Area and the AVMA
- Section 5: References

1.2 Fort Richardson Background

Fort Richardson is situated on approximately 97 square miles of land northeast of the Municipality of Anchorage and Elmendorf Air Force Base (AFB) in southcentral Alaska. Figure 1-1 shows the location of Fort Richardson.

Fort Richardson was established in 1940 under the command of the Alaskan Defense Force to protect Alaska against foreign attack. The installation included an airfield, Elmendorf Field. In 1941, the Alaskan Defense Force was renamed the Alaskan Defense Command. At that time, Fort Richardson had approximately 7,800 personnel. During World War II, Fort Richardson was used as a staging and supply area for operations occurring on the Aleutian Islands. The troop complement varied in size from 7,800 to over 15,000. In 1943, the Alaskan Defense Command was renamed the Alaskan Department, and in 1947 it was again reorganized as the U.S. Army, Alaska.

In 1950, Fort Richardson was divided between the Army and Air Force. On the northern part of the installation, the Army established a new cantonment area. The original base was released to the Air Force and renamed Elmendorf Air Force Base. Fort Richardson has undergone a number of reorganizations and command and control changes since that time, including expansion of the cantonment area.

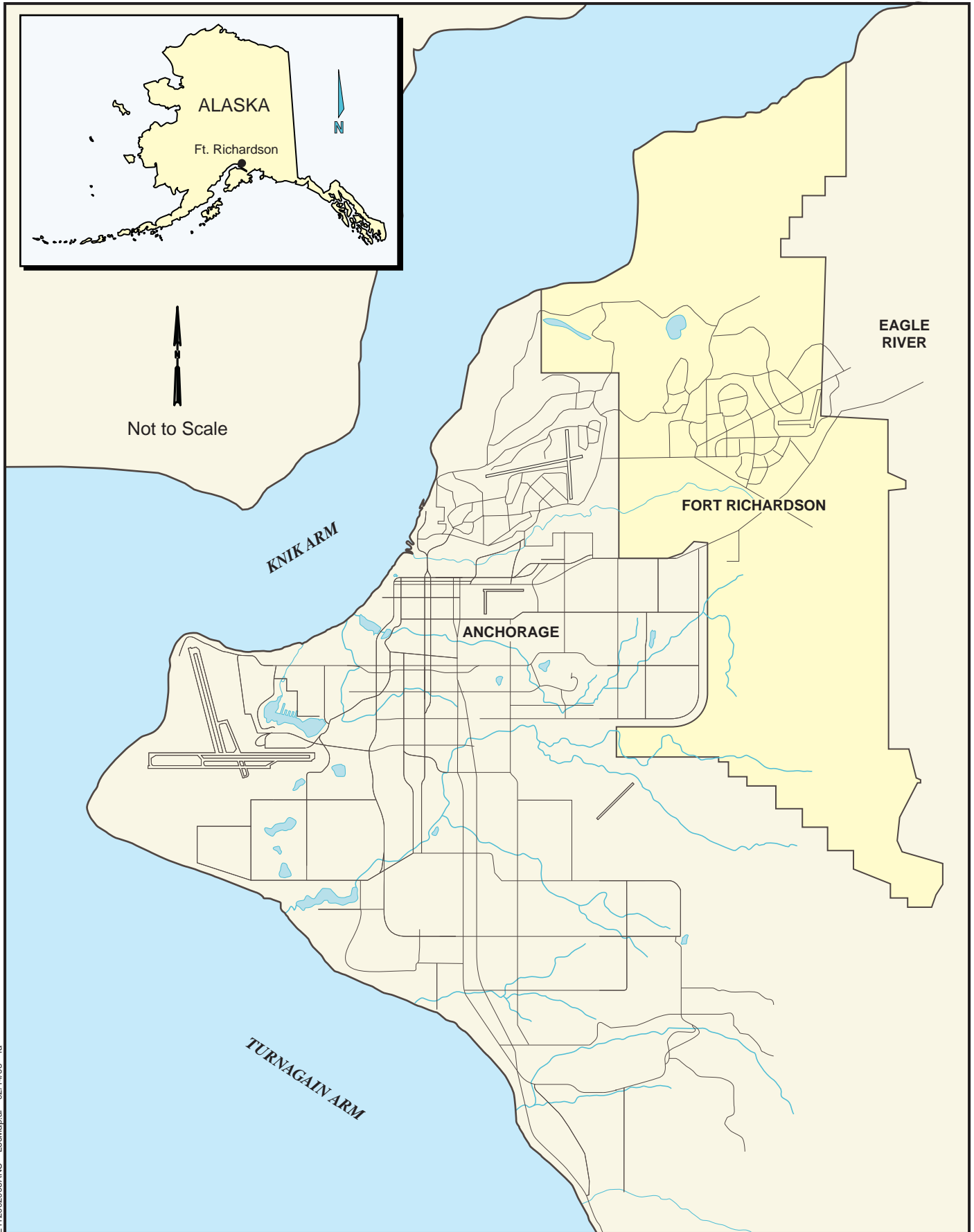
1.3 Objectives

The primary project objective is to complete the RI, which includes reporting the results in sufficient detail to be able to close sites or identify a potential remedial action and design a remedial system for treatment of contaminated soil and/or groundwater within the OUE source areas. The following are general site objectives:

- Evaluate the presence and vertical and horizontal extents of potential contamination in soil and groundwater
- Evaluate the potential receptors in the area of potential contamination
- Assess the need for interim remedial action and/or remedial action at the sites and recommend suitable remedial technologies
- Limit future liabilities

The U.S. Department of Defense (DoD), the U.S. Environmental Protection Agency (EPA), and the Alaska Department of Environmental Conservation (ADEC) entered into a joint agreement referred to as the Federal Facility Agreement (FFA) in the spring of 1994. The RI for OUE must adhere to the FFA. Section III of the FFA describes the agreements general purposes:

- Ensure that environmental impacts associated with past and present activities at the site are thoroughly investigated and appropriate removal and/or remedial action(s) are taken as necessary to protect the public health, welfare, and the environment
- Establish a procedural framework and schedule for developing, implementing, and monitoring appropriate response actions at the site in accordance with the



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Figure 1-1
 Location Map
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), National Superfund guidance and policy, national Resource Conservation and Recovery Act (RCRA) guidance and policy, and appropriate state law

- Facilitate cooperation, exchange of information, and participation of the parties in such actions

The FFA was created in response to the placement of Fort Richardson on the National Priorities List (NPL). The NPL was created as a result of the CERCLA process, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the NCP of 1985. Sites are placed on the NPL following an evaluation and prioritization based on the ranking from the Hazardous Ranking System (HRS). The FFA identifies the authorities and responsibilities of these parties and integrates CERCLA requirements with relevant aspects of other federal and state programs such as the RCRA and Alaska Underground Storage Tank (UST) regulations.

1.4 Project Team

Table 1-1 shows the key project team members with responsibility for the RI.

TABLE 1-1
Project Team Summary of Responsibility

Organization	Responsibility	Team Member
U.S Army, Directorate of Public Works, Fort Richardson	Project Manager	Mark Prietasat
U.S. Army Corps of Engineers	Project Manager	Marilyn Plitnik
CH2M HILL	Remedial Investigation Project Manager	Timothy Gould, P.E.
CH2M HILL	Field Team Leader	Andy Larson
Discovery Drilling	Monitoring Well Installation	Kyle Brown
Analytical Laboratories of Alaska	Primary Analytical Lab	Elizabeth Rensch
General Engineering Laboratories	Quality Assurance/Quality Control Analytical Lab	Laura Sluss
Karabelnikoff Surveying	Project Surveyor	Lee Karabelnikoff
Chenega Management	Trench Excavator	Michael Hayes

1.5 Operable Unit E History and Past Investigations

OUE consists of the following two primary areas of concern:

- The Building 35-752 site
- The AVMA

The locations of these sites are shown in Figure 1-2. The sites under investigation have known or suspected contamination as revealed in previous investigations. The Building 35-752 site has been contaminated with PCBs and potentially dioxins/furans. The AVMA was suspected to be a potential source area for a solvent groundwater plume.

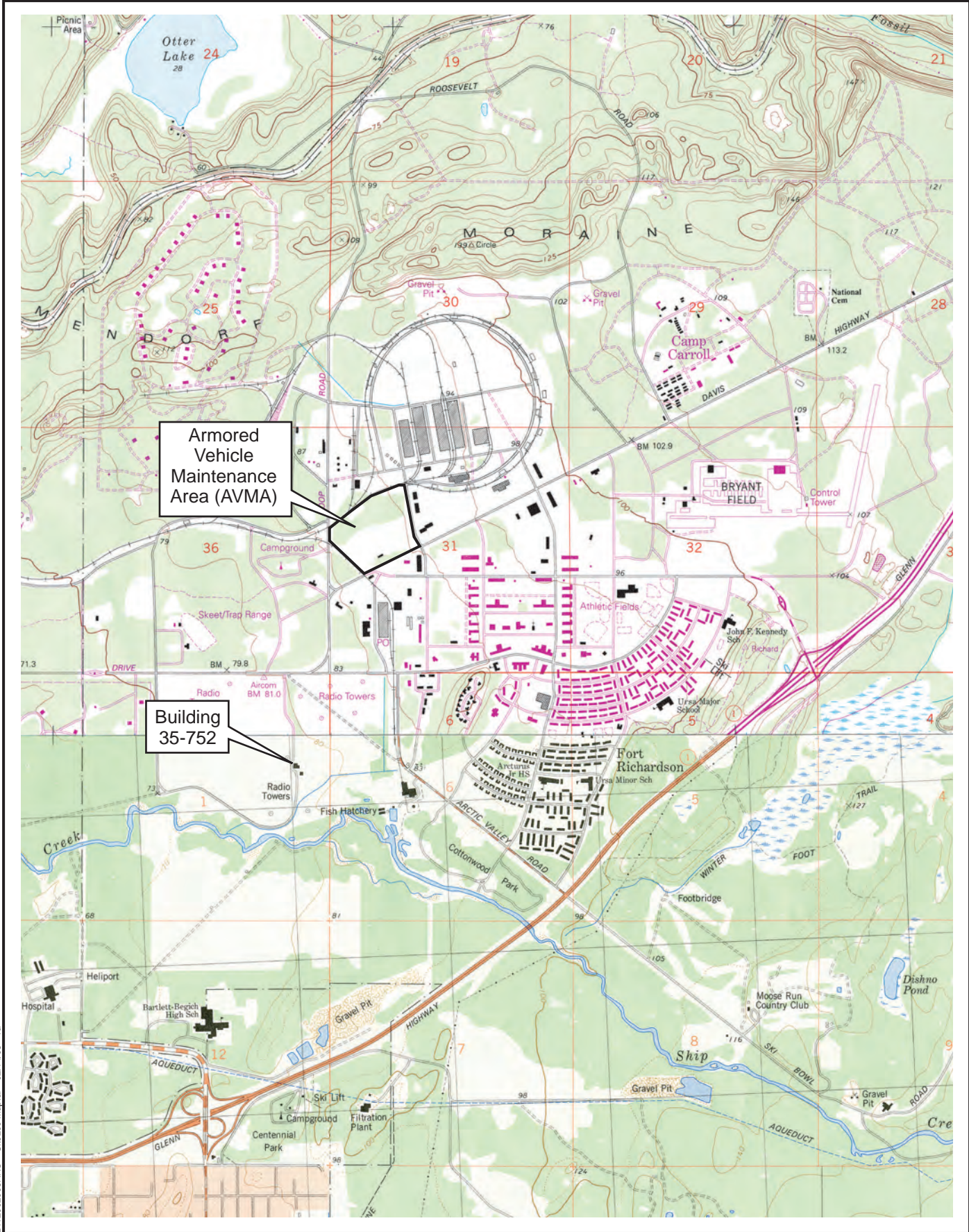
Building 35-752 is the former generator/power supply building for the high-frequency transmitter Building 35-750. The building is currently vacant and a locked chain-link fence surrounds the area to restrict access. This site was originally investigated as part of the Operable Unit D (OUD) RI, which also included Building 35-750 (control building) and the area surrounding the buildings. During the OUD RI/feasibility study (FS), five areas were investigated to evaluate the presence and extent of contamination from fuels, solvents, PCBs, pesticides, and metals. The five areas included the concrete floor in Building 35-752, the location of former USTs south of Building 35-752, a former drum accumulation area east of Building 35-752, the former cooling pond southwest of Building 35-752, and former UST 1102, north of Building 35-752. Following the OUD investigations at this site, additional information was obtained that led to the creation of OUE. Transformer oil containing PCBs had been reportedly burned in a shallow pit in the area now paved as the parking lot. It was also reported that PCB-containing oil had been drained out of electrical transformers onto the ground near the east side of Building 35-750. PCB-contaminated soil may have been distributed along the peripheral road and parking lot during grading activities prior to paving in 1997.

New chemicals of concern at Building 35-752 were identified after the OUD investigations. The new chemicals of concern are dioxins/furans and were included in the proposed OUE investigations. Additional locations of potential PCB contamination were investigated during the OUE RI/FS. The nature and extent of PCBs in the peripheral road base, the former PCB-contaminated soil stockpile footprint, the reported discharge area east of Building 35-750, the potential discharge of transformer oil near the transformer mounting pad, and dioxins/furans associated with the burning of transformer oil at the site were investigated.

Dioxins and furans are part of a group of chemical compounds that share certain chemical structures and biological characteristics. Hundreds of these compounds exist and are members of three closely related families: chlorinated dibenzodioxins (CDDs), chlorinated dibenzofurans (CDFs), and certain PCBs. Sometimes the term *dioxin* is also used to refer to the most studied and one of the most toxic dioxins, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD). CDDs and CDFs are produced inadvertently by a number of human activities as well as natural processes. Dioxins are formed as a result of combustion processes such as commercial or municipal waste incineration and burning fuels (wood, coal, or oil). PCBs are no longer produced in the United States.

Different dioxin compounds have different toxicities, and dioxins are most often found in mixtures rather than as single compound in the environment. The most toxic forms of dioxin are 2,3,7,8-TCDD and 1,2,3,7,8-pentachlorodibenzo-*p*-dioxin (1,2,3,7,8-PeCDD). A summary of individual isomers for dioxins and furans can be found in Appendix E.

The AVMA is located in the western region of the cantonment area of Fort Richardson, north of the Davis Highway (Figure 1-2). This area is bordered by Loop Road to the west, First Street to the east, a wooded area and railroad tracks to the north, and the former



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Figure 1-2
 Site Locations Map
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location of the Davis Highway to the south. The area is mostly open fields and woods covering approximately 56 acres. The suspected source areas within the AVMA include areas of buried debris, drainage ditches near the former vehicle wash area, and other ditches identified on historic aerial photographs.

The contaminants of concern at the AVMA site include diesel-range organic (DRO) and gasoline-range organic (GRO) compounds, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs, pesticides, and metals in soil and VOCs, SVOCs, DRO, GRO, metals, and pesticides in groundwater.

1.5.1 Building 35-752 Previous Investigations

Six previous investigations have been conducted at Building 35-752. In 1990, the USACE conducted a UST remediation sampling program at the former UST location. The program assessed the presence and extent of fuel contamination in the soil and groundwater (USACE, 1990).

In 1993, Harding Lawson Associates (HLA) conducted an additional site assessment and corrective action plan at the former UST site to more completely assess the presence and extent of PCBs in the backfill and fuel in the soil and groundwater (HLA, 1994).

In 1994, ENSR conducted a limited field investigation of the entire site. Complete results of the investigation are presented in the report *Preliminary Source Evaluation 2, Operable Unit D, Fort Richardson, Alaska* (ENSR, 1996). The objectives of this investigation were to evaluate the presence of contamination in soil and sediment, the possible downward migration of contaminants, and potential source areas for groundwater contamination.

In 1996, 1997, and 1998 ENSR conducted an RI/FS for OUD (ENSR 1998). The following areas were investigated at Building 35-752:

- Concrete floor
- Former USTs south of Building 35-752
- Drum accumulation area east of Building 35-752
- Cooling pond southwest of Building 35-752
- Former UST 1102 north of Building 35-752

These areas are being considered for no further action in the OUD Record of Decision (ROD) and are therefore not part of OUE.

The rest of Building 35-752 was transferred to OUE because additional information came to light from former site workers that indicated other areas of potential concern due to past practices of burning transformer oil in an open pit and draining transformer oil onto the ground. In addition, soil from the burn pit area may have been graded into the road base for the parking lot and peripheral road prior to paving the road in 1997.

In 2000, U.S. Army Cold Regions Research and Engineering Laboratory (CRREL) conducted geophysical investigations to identify the location of the former burn pit and evaluate the character of the parking lot excavation and refill (Astley et al., 2000a).

Also, in 2000, ENSR conducted an investigation for the U.S. Air Force on surface and shallow subsurface soil on the west side of Building 35-750 in a small area of the peripheral

road to be crossed by a new buried cable. Low levels of PCBs were found in several of the samples analyzed, although none were above the maximum contaminant levels (MCLs) (ENSR 2001).

1.5.2 AVMA Previous Investigations

Several investigations have been conducted at the AVMA. In 1996 Ecology & Environment, Inc. (E&E), conducted a background data analysis that included soil borings and groundwater sampling within the AVMA. Results of the soil analyses included finding DRO above cleanup levels from two borings located in the southcentral area of the AVMA site. Polynuclear aromatic hydrocarbons (PAHs) above the cleanup levels were also found in one of these borings, and soil samples from several of the borings were found with low levels of VOCs, SVOCs, and pesticides. Arsenic and chromium were detected in all soil samples at levels above ADEC cleanup levels but within the established background concentrations for those metals at Fort Richardson (E&E 1996). Results of groundwater analysis of the three wells on the site found low levels of RRO in all and low levels of DRO in two of the wells. Low levels of carbon tetrachloride and 1,1,1-trichloroethane were detected in well AP-4155 at estimated concentrations near the method detection limit. High concentrations of mercury and elevated levels of lead were found in the groundwater sample from well AP-4155.

In 2001, CRREL conducted a historic aerial photography analysis and geophysical investigation at the site. The CRREL analysis of historic aerial photography provides much of the information used to develop the historic uses of the area and identify locations where material may have been buried. The geophysical studies employed electromagnetic (EM), ground-penetrating radar (GPR), direct current resistivity, and near-surface seismic reflection techniques to identify locations where material is buried. Additional work was performed in 2001 by USACE. This work included soil boring and sampling, monitoring well installation, and groundwater sampling. The USACE investigation included analytical results from the newly installed groundwater monitoring wells and soil borings. This investigation was used to help with the decision of where additional soil borings and monitoring wells were placed. Placement of the additional soil borings and monitoring wells was important to provide an accurate understanding of the distribution of potential contamination.

RIs associated with Building 45-590 included the area to the west and southwest of the AVMA and provided useful groundwater data to help evaluate groundwater flow and plume dimensions.

1.6 Deviations from the Work Plan

Table 1-2 summarizes deviations from the work plan.

TABLE 1-2
Deviations from the Work Plan

Sampling Location	Scoped Samples	Project Samples	Comments
Building 35-752			
<i>Transformer Oil Drainage Discharge Area</i>			
Ensys Kit Field Screening	60	20	Shallow samples only due to electrical hazards
PCBs	20	20	
Dioxin/Furans	5	5	
<i>Transformer Oil Burn Pit Area</i>			
Ensys Kit Field Screening	40	40	
PCB/Dioxin/Furans/VOC/SVOC/ DRO/GRO	15	15	
<i>Peripheral Road</i>			
Ensys Kit Field Screening	90	87	Underground electrical hazard conflicts
PCBs	30	30	
Dioxin/Furans/DRO/GRO	10	10	
<i>Former PCB Contaminated Soil Stockpile Footprint</i>			
Ensys Kit Field Screening	24	24	
PCB	12	12	
Dioxin/Furan/DRO	6	6	
<i>Building 35-752 Groundwater</i>			
Monitoring Wells	7	7	
Armored Vehicle Maintenance Area			
<i>Base Trenches</i>			
Analytical	20	20	
Geotechnical	1	1	
<i>Optional Trenches</i>			
Analytical	25	22	Field conditions did not warrant the collection of the remaining samples.
Geotechnical	1	0	
<i>AVMA Soil Borings</i>			
Analytical	14	12	Original plan called for two samples from each boring. Due to field and drilling conditions, only one sample was collected from MW3 and MW6.
Geotechnical	14	3	Drilling difficulties and refusal

TABLE 1-2
Deviations from the Work Plan

Sampling Location	Scoped Samples	Project Samples	Comments
AVMA Groundwater			
Monitoring Wells	14	14	
New Monitoring Wells	7	7	A bailer was used to develop and sample these wells due to heavy suspended silts in the groundwater. Development of MW4 was not completed do to limited groundwater and poor well recharge.

AVMA = Armored Vehicle Maintenance Area
DRO = diesel-range organic compound
GRO = gasoline- range organic compound
PCB = polychlorinated biphenyl
SVOC = semivolatile organic compound
VOC = volatile organic compound

SECTION 2

Project Methods

This section provides a general description of field methods, procedures, and approaches relating to site work described in Sections 3 and 4. The RI fieldwork, in general, was conducted according to the *Final Management Plan, Operable Unit E Remedial Investigation/Feasibility Study, Fort Richardson, Alaska* (ENSR, 2002). Additional clarification was given during project scoping meetings with the RPMs before the work commenced.

2.1 Field Investigation Methods

The following sections describe the methods applied in the field for collection, packaging, labeling, and shipment of samples collected for this RI. Sampling techniques described in detail in the *Quality Assurance Program Plan, Alaska* (CH2M HILL, 2002) were followed during the course of this project. To ensure consistency and reproducibility of test results, soil and water samples were analyzed following approved ADEC and EPA methods.

2.1.1 Surface and Near-Surface Soil Sampling Procedures

Surface and near-surface soils were collected at the Building 35-752 sites. Soil samples were collected from four areas near Building 35-752: the Peripheral Road area, the Burn Pit area, the Transformer area, and the Soil Stockpile area. Samples from both the Peripheral Road area and Burn Pit area were collected using a hollow-stem auger drill rig capable of driving a 2.5-inch-diameter, 2-foot-long, split-spoon sampler. The samples were taken directly from decontaminated stainless steel split spoons containing soil from the appropriate depths. Borings near Building 35-752 were backfilled using drill cuttings. Drill cuttings where contamination was indicated by PID were drummed as investigation-derived waste (IDW) and handled as described in Section 2.4.

Samples were collected from various intervals based on the sampling plan. In the Peripheral Road area, samples were collected from the following depths:

- Zero to 0.5 feet below ground surface (bgs)
- 1 to 1.5 feet bgs
- 1.5 to 2 feet bgs

In the Burn Pit area, soil samples were collected from the following intervals:

- Zero to 0.5 feet bgs
- to 2.5 feet bgs
- to 5.5 feet bgs
- 7 to 7.5 feet bgs
- 9.5 to 10 feet bgs.

At the Transformer area and the Soil Stockpile area, soil samples were collected using a decontaminated hand trowel or hand auger. Samples at the Transformer area were

collected from zero to 0.5 feet bgs, 0.5 to 1 foot bgs, or from both depths. Soil samples from the Soil Stockpile area were collected from zero to 0.5 feet bgs, and 1 to 1.5 feet bgs.

At all four areas, labeled sample jars were filled and tightly packed, keeping the void spaces to a minimum. The sample containers were immediately placed in a cooler with gel ice for transport to the analytical laboratory. Sample containers that were being shipped to a laboratory outside Alaska were wrapped in resealable plastic storage bags in addition to being placed in a cooler with ice. Observations such as soil description, sample location, staining, or odor were recorded in the field activities logbook.

Soil samples submitted for chemical analyses that were collected with a split-spoon or core-barrel sampler were driven into undisturbed soil. Soil samples were field screened using ambient temperature headspace Photovac 20/20 photoionization detector (PID) equipped with a 10.2-eV lamp.

2.1.2 Soil Boring and Logging Procedures

Soil borings were advanced at Building 35-752 and AVMA. Soil borings at AVMA were converted to groundwater monitoring wells and were drilled using a 6-5/8-inch (outside diameter) auger. A description of the standard monitoring well construction used is presented in Section 2.1.4. One to two samples per soil boring location were collected at the AVMA using a 3-inch-diameter, 2.5-foot core-barrel sampler. Samples were taken at the top or within the water bearing unit or at the top of the confining layer. In addition, samples were taken when the PID indicated a high presence of VOCs relative to other depths in the soil. The sample containers were immediately placed in a cooler with gel ice for transport to the analytical laboratory. Sample containers that were being shipped to a laboratory outside Alaska were wrapped in resealable plastic storage bags in addition to being placed in a cooler with ice. At all drilling sites, drill cuttings where contamination was indicated by PID (readings greater than 100 parts per million [ppm]) were drummed as IDW and handled as described in Section 2.4.

The purposes of the soil borings were to log soil conditions and collect subsurface soil samples. The site geologist maintained a complete log of conditions encountered during drilling. Soils boring logs generated during the OUE RI are presented in Appendix A.

2.1.3 Trench Sampling Procedures

Nine trenches were excavated in the AVMA in order to investigate geophysical anomalies in an area that was initially identified on aerial photos. The trenches were completed with a track hoe while being logged by the site geologist. A copy of the trench logs can be found in Appendix B. The trenches were approximately 20 feet deep and 50 feet long. A description of base versus option trenches can be found in Section 3.6.

The track hoe operator collected soil samples directly from the excavation bucket with a decontaminated hand trowel. To reduce loss of volatiles, a fresh soil surface was exposed to collect the soil sample. The track hoe operator, rather than the site geologist, collected the samples for safety reasons. Laboratory samples were collected from discrete locations at a change in soil color or type or where staining or other potential contamination might occur.

Samples for VOC analysis were collected first. Sample containers were placed immediately into an ice-filled cooler once the sample containers were filled.

2.1.4 Monitoring Well Installation, Development, and Sampling

The monitoring wells were drilled using a 6-5/8-inch (outside diameter) hollow-stem auger and were constructed of 2-inch-diameter, schedule 40, polyvinyl chloride (PVC) pipe with a 15-foot PVC screen section. Well screens were constructed of 10-slot (0.010-inch) pipe with 40/60 sand and a prepacked screen. Monitoring well construction details are recorded in the well construction diagrams found in Appendix A.

Monitoring wells were installed in the AVMA area with a CME 75 hollow-stem auger drilling rig. The site geologist supervised the drilling and well installation and prepared logs of the borings. Soil samples were collected as described in Section 2.1.2.

Monitoring wells were developed a minimum of 24 hours after installation to allow enough time for the bentonite and bentonite/cement grout seals to set and cure. Methods for development ranged from hand bailing to surging to low-flow pumping depending on the sediment load in the well water. Wells that contained extremely turbid water proved too dirty for pumps to operate effectively, and these wells were hand bailed. All wells were surged. Purge water was containerized and handled as outlined in Section 2.4. Water pH, temperature, dissolved oxygen, redox potential, and specific conductance were monitored during well development. Wells were purged a minimum of three well volumes or until the water quality parameters were consistent over three consecutive readings.

Groundwater in the monitoring wells was purged and sampled using a Grundfos pump and disposable 1/4-inch-diameter polyethylene tubing or a stainless steel bailer. New tubing was used at each well. Once the water quality parameters mentioned above were consistent for three consecutive readings on a Horiba U-22 Water Quality Monitor, and at least the volume of water in the well casing and the volume of water in the pump's (in cases where a pump was used) tubing were purged, the well was sampled.

2.1.5 Water Level Survey

Water levels were measured from wells associated with Building 35-752 and the AVMA during sampling. Measurements were taken from a surveyed, marked location on the well casing using a Herron 300-foot electronic sounder and documented in field logbooks. The portion of the sounder cable submerged below fluid levels in wells was decontaminated by Alconox and deionized water.

2.1.6 Field Documentation

Field documentation consisted of both a daily field logbook for recording the day's activities and a sampling book which included a sample log for the project, a daily sampling log, daily calibration logs, and well purging and sampling forms. The daily field logbook was updated throughout the day. The sampling book was updated each day with the sampling start and finish times, field personnel present, equipment used, daily calibrations and sampling details. Copies of the field documentation will be provided in the RI Report.

2.1.7 Surveying

A global positioning system was used to locate surface soil sample locations, soil borings, and trenches. In addition, a licensed surveyor surveyed the location, ground elevations, and top of casing elevations of 31 existing and 7 new monitoring wells in Operable Unit E.

Horizontal locations were provided in Alaska State Plane Coordinates NAD83, Zone 3, in meters and feet. Elevations were provided in both NAVD88 meters (new datum) and feet and NGVD29 feet (old datum).

2.2 Analytical Program

The OUE analytical program consisted of submitting project field and quality assurance (QA)/quality control (QC) samples to the laboratories for analysis as described in the OUE Management Plan (ENSR, 2002). In addition, suggestions for the analytical program made by RPMs during meetings were incorporated. The sample tracking logs containing sample date, time, location, identification, and type of sample are shown in Appendix D.

2.2.1 Project and Quality Assurance/Quality Control Samples and Analytical Methods

Project field samples collected for chemical analysis except dioxins and furans were analyzed by Analytica Alaska in Anchorage, Alaska. Samples for geotechnical analyses were subcontracted to Terra Firma in Anchorage, Alaska. QA samples were analyzed by General Engineering Laboratories located in Charleston, South Carolina. Dioxin and furan samples were analyzed by Triangle Laboratories in Durham, North Carolina. QA/QC samples were collected during all sampling events. Analytical methods defined by the ADEC and EPA were used during this project.

Chemical analyses, analytical methods, and the laboratories that were responsible for each analysis are shown in Table 2-1.

TABLE 2-1
Sample Analysis and Associated Laboratories

Analyte	Analytical Method	Laboratory
Diesel-Range Organic Compounds	Alaska Method 102 (AK102)	Analytica Alaska, Inc.
Gasoline-Range Organic Compounds	Alaska Method 101 (AK101)	Analytica Alaska, Inc.
Volatile Organic Compounds	EPA Method 8260B	Analytica Alaska, Inc.
Semivolatile Organic Compounds	EPA Method 8270C and 8270C	Analytica Alaska, Inc.
Pesticides and Polychlorinated Biphenyls	EPA Method 8081A	Analytica Alaska, Inc.
Total Metals (Barium, Cadmium, Chromium, Iron, Lead, Nickel)	EPA Methods 6010, 6020, and 7000	Analytica Alaska, Inc.
Arsenic	EPA Method 7060	Analytica Alaska, Inc.
Mercury	EPA Method 7470	Analytica Alaska, Inc.
Dioxins and Furans	EPA Method 8290	Triangle Laboratories, Inc.

AK = Alaska Method

EPA = U.S. Environmental Protection Agency

2.2.2 Data Validation

Data validation procedures were performed to ensure the competency of the reported results. The data assessment included both data verification and data review as defined by the *Statement of Work, Operable Unit E, Remedial Investigation at Fort Richardson Alaska, March 6, 2002* (USACE, 2002). The data verification process includes ensuring that data for all samples submitted to the laboratory have been provided, all relevant laboratory internal QC data have been provided, and the specified analytical methods were used by the laboratory. Data review involves the examination of the primary and QA laboratory data and the internal QC and QA sample results to ascertain the effects on the primary laboratory's data. A detailed methodology used to conduct the data review is outlined in the *Statement of Work* (USACE, 2002). The results of the data assessment will be reported in the Chemical Quality Assurance Report (CQAR).

2.3 Field Screening Procedures

After being logged by the geologist, soil samples were placed in resealable plastic bags, a headspace analysis was performed, and the results were recorded. Soil cuttings field screened with a PID for headspace analysis that were below 100 ppm were either spread on the ground surface near the boring from which they were collected or returned to the boring, except for borings that were converted to groundwater monitoring wells. If the PID readings were more than 100 ppm, the cuttings were containerized and disposed of offsite according to procedures described in Section 2.4. Additional field screening of PCBs was done with the use of Enslys PCB field screening kits.

2.4 Waste Management

Wastes generated during the 2002 field activities consisted of investigation-derived soil and water.

2.4.1 Management of Waste Streams

Rinsate water from equipment decontamination and monitoring well purge water was collected and stored in 15-gallon drums. The CH2M HILL field team then delivered these drums to the Fort Richardson environmental staging facility, where ENSR handled the water. Soil cuttings drummed as IDW were also delivered to the Fort Richardson environmental staging facility and handled by personnel from ENSR.

Table 2-2 summarizes waste disposal related to this project.

2.4.2 Fort Richardson Environmental Staging Facility Procedures

Prior to delivery of any IDW, CH2M HILL made an appointment with facility personnel to coordinate receiving of IDW. To make an appointment, CH2M HILL either called ENSR or sent them a completed IDW delivery form to arrange an appointment.

TABLE 2-2
Waste Disposal Summary

Disposal Facilities	Municipal Waste ^a	Nonhazardous Waste ^a	Waste Requiring Treatment	Disposition/Party Responsible
Local Dumpsters	✓	✓		Transported to dumpsters/drilling subcontractors
Ft. Richardson Environmental Staging Facility			✓	Containerized and transported/CH2M HILL field team and drilling subcontractor Processed/ENSR

^aMunicipal and nonhazardous wastes were disposed of at the local landfill at the direction of the Alaska Corps of Engineers and U.S. Army Directorate of Public Works.

CH2M HILL provided the liquid and soil IDW analytical results to ENSR for proper characterization of the IDW for disposal or treatment. Drums staged at the Fort Richardson Environmental Staging Facility were appropriately labeled by CH2M HILL prior to acceptance by ENSR. No liquid IDW contained measurable free product.

2.5 Decontamination Procedures

Sampling methods and equipment were chosen to minimize decontamination requirements and the possibility of cross-contamination. Reusable sampling equipment was decontaminated between locations by scrubbing with brushes in Alconox solution, rinsing in potable water, and then rinsing in deionized water. The drilling subcontractor constructed a portable decontamination pad to decontaminate the drilling rig and equipment. Decontamination water was collected, containerized in U.S. Department of Transportation-approved drums, and taken to the Fort Richardson Environmental Staging Facility.

SECTION 3

Site Investigation

The following sections describe the field investigations performed at each of the OUE subsites.

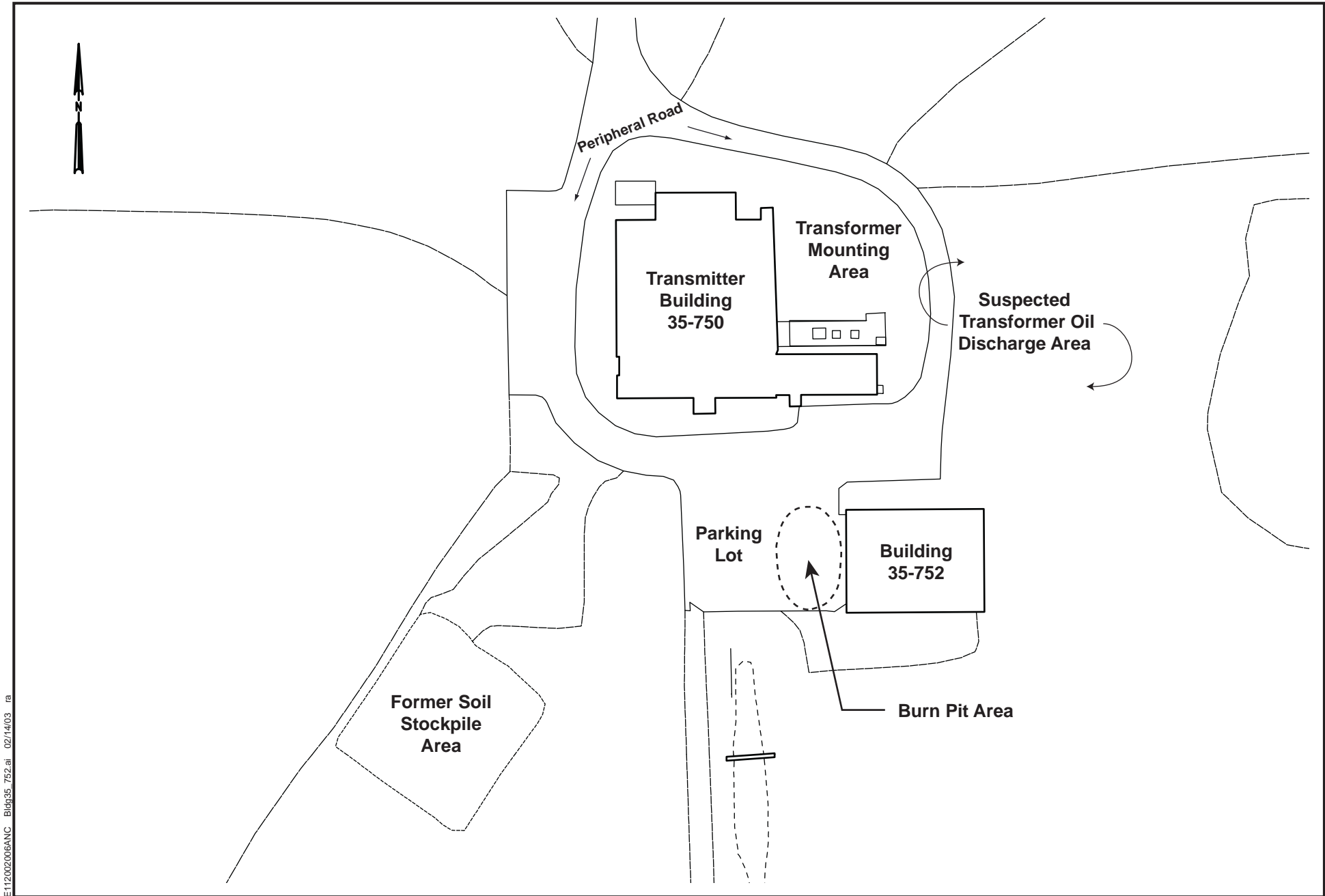
3.1 Transformer Oil Discharge Area East of Building 35-750

Twenty surface soil samples were collected in the vicinity of the Transformer Mounting Area and to the east in an area of suspected PCB oil discharge (Figure 3-1). The soil samples were collected to assess the presence and extent of PCBs in soil. The sampling locations are shown on Figure 4-1 and are labeled T1 through T20. The sampling locations were selected during a site visit with the U.S. Army, EPA, ADEC RPMs, and USACE representatives. The sampling locations were selected based on their proximity to the Transformer Mounting Area and a natural drainage swale leading east from the mounting area, beneath Peripheral Road, and into the field east of the road. The objective of sampling these locations was to investigate reports of transformer oil being released from the mounting area and flowing down the swale. The management plan for OUE called for samples to be collected from zero to 0.5 feet bgs, 1 to 1.5 feet bgs, and 1.5 to 2 feet bgs. However, for the sake of safety, samples were only collected from zero to 0.5 feet bgs, since the depth of the buried electrical lines was unknown. The Elmendorf electrical locating crew stated that there are large amounts of high-powered electrical lines buried in the transformer mounting and discharge sampling areas. After sample results were received, five additional samples were collected and analyzed for PCBs and one for dioxin/furans. These deeper additional samples were chosen based on the initial sampling analytical results. The locations of the new samples were from T2, T5, T6, T11, and T15 from a depth of 0.5 to 1.0 feet bgs.

All soil samples were field screened for PCBs using immunoassay kits. Seventy-five percent of the sample locations were preselected for laboratory analysis prior to the commencement of the field work. The remaining 25 percent of the samples were selected for laboratory analysis based on the field screening results.

3.2 Transformer Oil Burn Pit Area

The extent of soil contamination in the immediate vicinity of the former transformer oil burn pit area was assessed by sampling soil beneath the pavement in the parking lot. Eight soil borings were used to define the potential extent of contaminated soil. The eastern half of the paved parking area has been divided into 20-foot by 20-foot grid sections, and one boring was drilled near the center of each grid section. The eight borings were sampled at depths of zero to 0.5 feet bgs (starting below the asphalt), 2 to 2.5 feet bgs, and approximately 5 to 5.5, 7 to 7.5 and 10 to 10.5 feet bgs to assess the presence of the contaminants with depth. Groundwater was not encountered during drilling. All soil samples were field screened for PCBs using immunoassay kits. Seventy-five percent of the sample locations were



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Figure 3-1
 Building 35-752 Site Map
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska

preselected for laboratory analysis prior to the commencement of the field work. The remaining 25 percent of the samples were selected for laboratory analysis based on the field screening results.

Due to reported mixing of the PCB soil with diesel fuel to facilitate the burning, selected soil samples were analyzed for DRO, GRO, VOCs, SVOCs, PCBs, and dioxin/furans.

3.3 Peripheral Road

Thirty soil samples were collected to assess the presence of contaminants and distribution around the peripheral road. Samples were collected from 0.5, 1.0, and 1.5 feet bgs. These depths were measured from below the asphalt (when collected from the road surface) with sampling conducted through the pavement. All soil samples were field screened for PCBs using immunoassay kits. Seventy-five percent of the sample locations were preselected for laboratory analysis prior to the commencement of the field work. The remaining 25 percent of the samples were selected for laboratory analysis based on the field screening results.

Table 3-1 shows a summary of samples collected at Building 35-752.

TABLE 3-1
Summary of Samples Collected at Building 35-752

Analysis	Sample Collection Area				
	Transformer Oil Discharge Area	Burn Pit Soil	Peripheral Road Soil	Stockpile Footprint Soil	Groundwater
PCB Immunoassay Field Screen	20	40	87	24	NA
PCB (EPA 8082)	20	15	30	12	7
Dioxin/Furans (EPA 8290)	5	15	10	6	NA
VOC (EPA 8260B)	NA	15	NA	NA	7
SVOC (EPA 8270C)	NA	15	NA	NA	7
PAH (EPA 8270SIM)	NA	NA	NA	NA	7
GRO (AK101)	NA	15	10	NA	7
DRO (AK102)	NA	15	10	6	7
Metals	NA	NA	NA	NA	7
Pesticide (EPA 8081A)	NA	NA	NA	NA	NA

AK = Alaska Method
DRO = diesel-range organic compounds
EPA = U.S. Environmental Protection Agency
GRO = gasoline-range organic compounds
NA = not analyzed

PAH = polynuclear aromatic hydrocarbons
PCB = polychlorinated biphenyl
SVOC = semivolatile organic compound
VOC = volatile organic compound

3.4 Former PCB-Contaminated Soil Stockpile Footprint

The extent of soil contamination in the former stockpile footprint was assessed by sampling surface and subsurface soil in the area where the former stockpile was located. The area was divided into 30-foot by 30-foot grid squares, and one soil boring was completed near the center of each grid square. Twelve sample locations were used to define the potential extent of contaminated soil. The 12 locations were sampled from depths of zero to 0.5 feet bgs and 1 to 1.5 feet bgs to assess the presence of the contaminants. All soil samples were field screened for PCBs using immunoassay kits. Seventy-five percent of the sample locations were preselected for laboratory analysis prior to the commencement of the field work. The remaining 25 percent of the samples were selected for laboratory analysis based on the field screening results.

The soil samples were analyzed for DRO, PCBs, and dioxin/furans.

3.5 Building 35-752 Groundwater

Per the work plan, the following groundwater monitoring wells were selected for sampling: AP-2982, AP-2983, AP-2987, AP-3231, AP-3232, AP-3458, and AP-3503. Groundwater samples were analyzed for VOCs, SVOCs, PCBs, DRO, GRO, and metals.

3.6 Armored Vehicle Maintenance Area Trenches

Nine trenches were dug within the AVMA investigative area. The first four trenches, T1 through T4, are the base trenches and were completed first. Trenches T5 through T9, the option trenches, were awarded based on the observed conditions in T4 and in order to investigate features indicated in historical aerial photos. Subsurface soil samples were collected by excavating trenches within the AVMA site with a track hoe. Excavations were dug to at least 20 feet bgs and extended to a maximum of 50 feet in length in the areas of investigation. Soil samples were collected in areas identified in the field as contaminated (by visual or olfactory indicators), areas where organic vapor screening indicated contamination, and at representative locations to characterize the excavation soil. Five samples were collected from each of the base trench excavations and analyzed for GRO, DRO, VOCs, SVOCs, and metals. Four samples were collected from each of the optional trench excavations and analyzed for GRO, DRO, VOCs, SVOCs, and metals. Additionally, one sample from each excavation was selected for analyses of pesticides and PCBs.

Table 3-2 shows a summary of samples collected at the AVMA.

TABLE 3-2
Summary of Samples Collected at the Armored Vehicle Maintenance Area

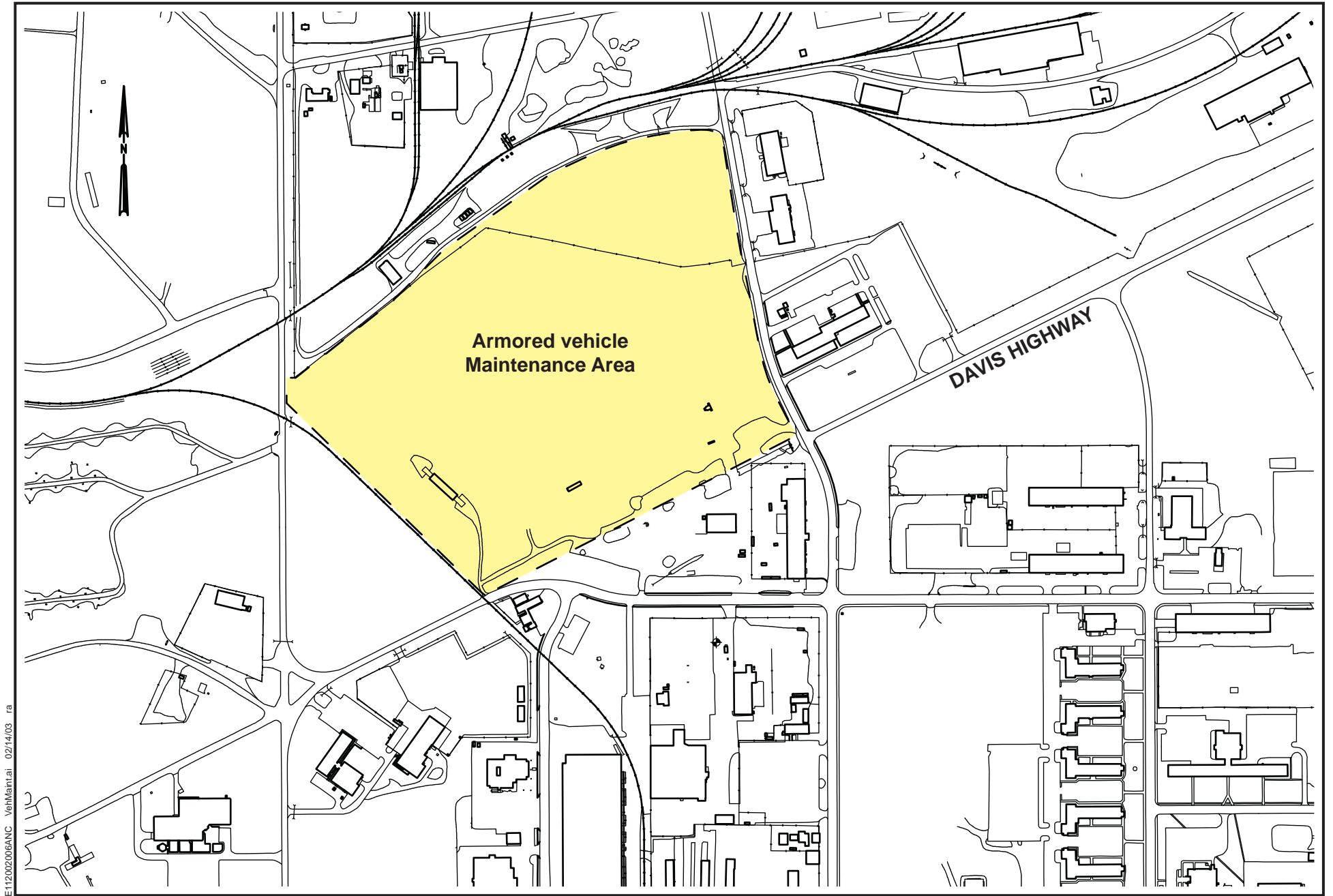
Analysis	Sample Collection Area			
	Base Trenches (4)	Optional Trenches (5)	Soil Borings/ Monitoring Well Installation	Groundwater Monitoring Wells (7 New and 14 Existing)
PCB Immunoassay Field Screen	NA	NA	NA	NA
PCB (EPA 8082)	NA	NA	NA	NA
Dioxin/Furans (EPA 8290)	NA	NA	NA	NA
VOC (EPA 8260B)	20	22	12	21
SVOC (EPA 8270C)	20	22	12	21
PAH (EPA 8270SIM)	NA	NA	NA	21
GRO (AK101)	20	22	12	21
DRO (AK102)	20	22	12	21
Metals	20	22	12	21
Pesticide (EPA 8081A)	20	22	NA	7
Geotechnical Properties	1	0	3	NA

AK = Alaska Method
DRO = diesel-range organic compounds
EPA = U.S. Environmental Protection Agency
GRO = gasoline-range organic compounds
NA = not analyzed
PAH = polynuclear aromatic hydrocarbons
PCB = polychlorinated biphenyls
SVOC = semivolatile organic compound
VOC = volatile organic compound

3.7 Armored Vehicle Maintenance Area Soil Borings and Groundwater Monitoring Wells

Delineation of the extent and identification of a source of contamination in groundwater at the AVMA is a principal objective. Seven new groundwater monitoring wells were installed and sampled. These 7 new wells and 14 existing wells (AP-3440, AP-3468, AP-3532, AP-3534, AP-3650, AP-37289, AP-3893, AP-3894, AP-3895, AP-3896, AP-3871, AP-3872, AP-4154, and AP-4155) were sampled for DRO, GRO, VOCs, SVOCs, and metals (total and dissolved). The well locations are shown in Figure 3-2.

Field screening of the cuttings was conducted using a PID. Soil samples for lithologic description were collected on a continuous basis with a core-barrel sampler. Up to two soil samples from each well location were collected and analyzed for the contaminants of concern, grain size, Atterburg Limits, and percent moisture.



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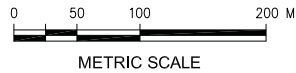


Figure 3-2
Armored Vehicle Maintenance Area (AVMA)
Operable Unit E
Preliminary Site Characterization Report
Ft. Richardson, Alaska

SECTION 4

Nature and Extent of Contamination

This section presents the preliminary findings from the field effort of the RI. Appendix E provides a statistical approach in summarizing the analytical data for this Preliminary Site Characterization Report. A full data package with data tables will be presented in the RI Report.

The primary contaminants of concern in the surface soils at the Building 35-752 source area are PCBs and dioxin/furans. The primary contaminants of concern in the surface and subsurface soil at the AVMA source areas are tetrachloroethylene (PCE) and carbon tetrachloride in and around the ditches. The primary concern in the AVMA groundwater is a potential groundwater plume from sources of PCE, carbon tetrachloride, mercury, and lead. Appendix C provides a data summary of hits and contains 18 data tables by site. Appendix D presents the sample tracking logs, and Appendix E provides a statistical approach for presenting the data.

4.1 Transformer Oil Discharge Area East of Building 75-750

PCBs were detected in all soil samples collected and analyzed, ranging from 110 to 99,900 micrograms per kilogram ($\mu\text{g}/\text{kg}$) in locations T1 through T20. Thirteen different isomers of dioxins and furans were detected in samples collected within the transformer oil discharge area.

PCBs were found in the sample locations T1 through T12 east of the Peripheral Road in the swale. PCB arochlors at T2, T3, T5, T6, and T11 were detected zero to 0.5 feet bgs above the preliminary remediation goals (PRGs) for an industrial site and from 0.5 to 1 feet bgs in T2, T6, T11. A decrease in PCB concentrations with depth was found at T2 and T11. An increase in PCB concentrations with depth was detected at T6 location. Table C-1 in Appendix C presents a data summary of hits for the Transformer Oil Discharge (Swale) Area.

PCB arochlors were detected around the transformer mount area in sample locations T15 and T16. PCB concentrations in T15 and T16 were found above the industrial PRG at a depth of zero to 0.5 feet bgs, at 3,940 and 99,900 $\mu\text{g}/\text{kg}$, respectively. In T15 PCB was detected at 1,200 $\mu\text{g}/\text{kg}$ above the PRG, which indicates a reduction of contaminate with depth. Table C-2 in Appendix C presents a data summary of hits for the Transformer Oil Discharge (Mount) Area.

4.2 Transformer Oil Burn Pit Area

PCB arochlor 1260 was detected in all soil samples collected and analyzed. However, no PCBs were above the industrial PRGs. PCBs ranged from 13 to 690 $\mu\text{g}/\text{kg}$. Sixteen different isomers of dioxins and furans were detected in samples collected within the oil burn pit area.

The only contaminant above the PRGs was trichloroethylene (TCE) ranging from 28 to 1,100 µg/kg. TCE is not concentrated in any dominant boring location. However, high TCE concentrations were found at a depth of 7 to 7.5 feet bgs in AP-4329 and AP-4335, which are approximately 40 feet apart with other borings with lower concentrations of TCE in between. Both borings had a concentration of 1,100 µg/kg.

TCE was detected in three soil boring locations (AP-4330, AP-4332, and AP-4334) at the 10- to 10.5-foot bgs elevation at 210, 310, and 340 µg/kg, respectively. TCE was also detected in AP-4334 and AP-4331 at 2 to 2.5 feet bgs and 5 to 5.5 feet bgs with values of 210 and 410 µg/kg, respectively. Table C-3 in Appendix C presents a data summary of hits for the Transformer Oil Burn Pit Area.

4.3 Peripheral Road

DRO was detected in all surface to 2-foot-bgs soil samples collected within the Peripheral Road sample area. DRO concentrations ranged from 12 to 310 milligrams per kilogram (mg/kg) in the soil samples. GRO was not detected in all soil samples collected within the Peripheral Road sample area at Building 35-752. GRO ranged from nondetect (ND) to 0.465 mg/kg.

Two individual PCB arochlor constituents were detected in soil samples collected within the Peripheral Road area. One out of 59 samples collected contained PCB arochlor 1016, at 7.6 µg/kg. Fifty-four out of 59 samples collected contained PCB arochlor 1260, ranging from ND to 3,700 µg/kg. The PCB total ranged from ND to 3,700 µg/kg. PCBs above the industrial PRGs were detected at P7, P11, P12, P17, P19, P21, and P29 locations ranging from 840 to 3,700 µg/kg. Table C-4 in Appendix C presents a data summary of hits for the Peripheral Road at Building 35-752.

Dioxin/furans were also detected within Peripheral Road soil sample coverage area. Fourteen different isomers of dioxin/furans were detected in samples collected along the peripheral road. Dioxins and furans were detected primarily in the south and east sample locations.

4.4 Former PCB-Contaminated Soil Stockpile Footprint

DROs were detected in all surface to 2 feet bgs soil samples collected at the Former PCB-Contaminated Soil Stockpile Footprint. DRO concentrations ranges from 5.2 to 29 mg/kg. Dioxins and furans were detected at the former PCB stockpile location. Eleven individual dioxin and furan isomers were detected in soil samples collected and analyzed. Sample location S37 contained PCBs from 1 to 1.5 feet bgs, above the industrial PRG of 790 µg/kg. Table C-5 in Appendix C presents a data summary of hits for the Former PCB-Contaminated Soil Stockpile Footprint.

4.5 Groundwater Monitoring Wells

DRO and GRO were detected in all the groundwater samples collected within Building 35-752. DRO concentrations ranged from 0.053 to 0.87 milligrams per liter (mg/L). GRO ranged from 8.4 to 1,700 mg/L.

Metals were also detected in most groundwater samples collected in monitoring wells at Building 35-752 with manganese above the tap water PRG at 1.0 and 3.1 mg/L in AP-2982 and AP-3458, respectively. Some PAH, SVOC, and VOC parameters were detected in the monitoring wells at Building 35-752. 1,2,4-trimethylbenzene, benzene, ethylbenzene, naphthalene, TCE, and vinyl chloride were detected in area wells above the tap water PRGs. TCE was found in every groundwater sample, ranging from 0.34 to 8.6 micrograms per liter ($\mu\text{g/L}$). Table C-6 in Appendix C presents a data summary of hits for Building 35-752 groundwater.

4.6 Armored Vehicle Maintenance Area Trenches

DRO and GRO were detected in all trenches with Trench 9 having the highest hit, at 3,800 mg/kg DRO and 6.0 mg/kg GRO.

PCE was detected in Trenches 3 and 4 at 530 and 14 $\mu\text{g/kg}$, respectively. TCE was detected in Trench 3 at 27 $\mu\text{g/kg}$. Other VOC and SVOC contamination was found in the trenches, and the results for Trenches 1 to 9 can be found in Tables C-7 to C-15 of Appendix C. Pesticides and metals were detected in all trenches with the exception of Trench 7, where pesticides were not detected.

4.7 Armored Vehicle Maintenance Area Soil Borings

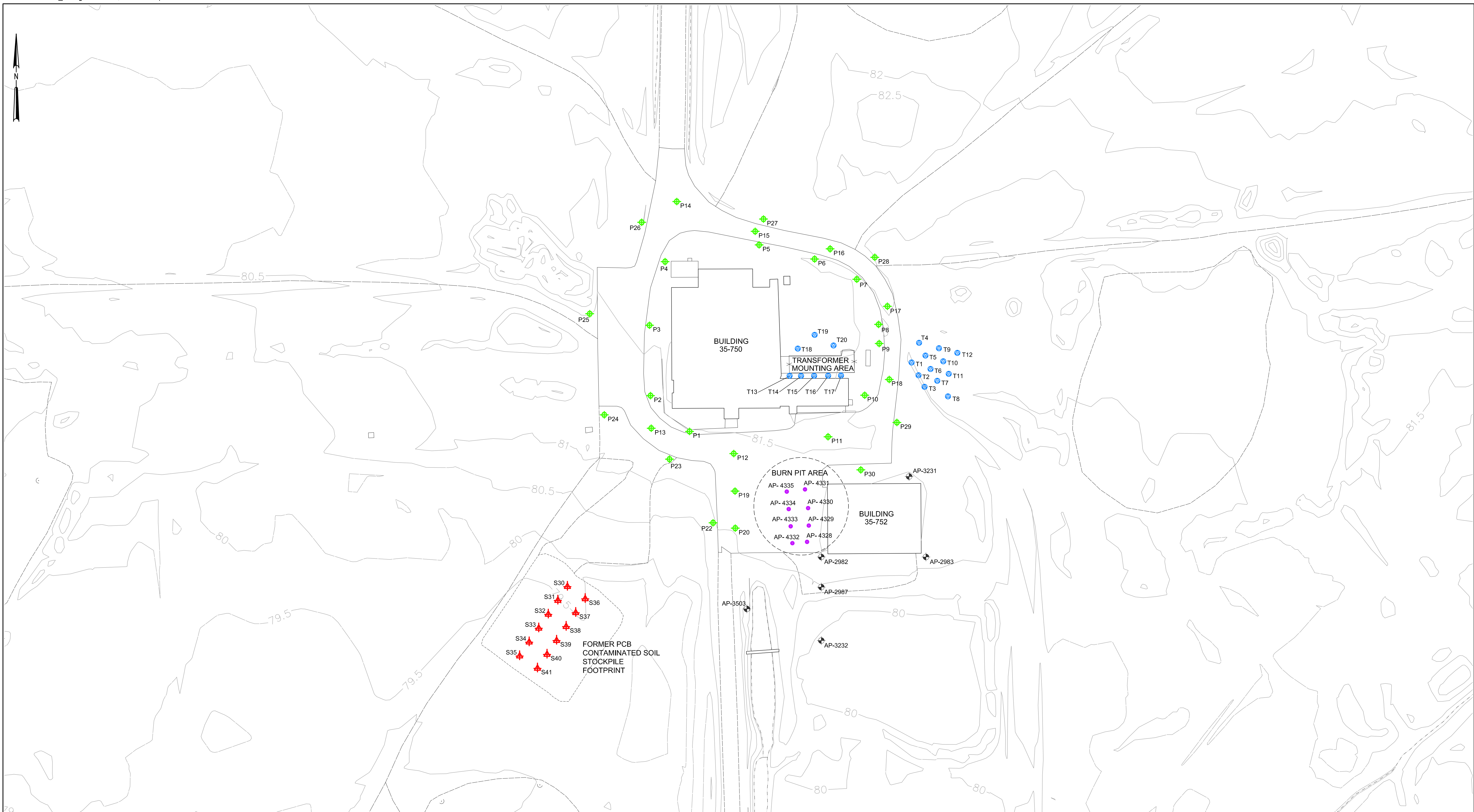
DRO was detected in the four soil samples collected from soil borings. GRO was detected in one of the four samples. DRO concentrations ranged from 2.1 to 17 mg/kg. The GRO value was 0.38 mg/kg. All metals were detected in three to four samples out of four, with arsenic above the industrial PRG in AP-4337 and AP-4340 at 3.9 and 3.1 mg/kg, respectively. Table C-16 in Appendix C presents a data summary of hits for the AVMA soil borings.

4.8 AVMA Groundwater Monitoring Wells

DRO was detected in 10 of 25 wells and ranged from 0.038 to 1.8 mg/L. GRO was detected in all wells and ranged from 4.1 to 35 $\mu\text{g/L}$.

Metals were also detected in groundwater samples collected in monitoring wells within the AVMA. A table of results is provided in Appendix E. Some PAH, SVOC, and VOC parameters were detected in the groundwater. Carbon Tetrachloride, PCE, and TCE were detected in, respectively, 13, 8, and 1 groundwater samples out of 26 samples collected. Carbon tetrachloride ranged from 0.12 to 1.5 $\mu\text{g/L}$, PCE from 0.48 to 49 $\mu\text{g/L}$, and TCE at 0.16 $\mu\text{g/L}$. Tables C-17 and C-18 in Appendix C present a data summary of hits for the new and existing AVMA groundwater monitoring wells. Table C-19 presents a data summary of hits for groundwater monitoring wells within OUE sampled as part of the Fort Richardson

Groundwater Monitoring Program. This work was completed in conjunction with the OUE RI and is provided for informational purposes and to make a complete data set.

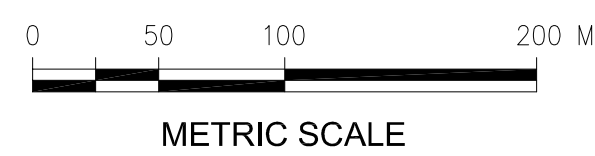
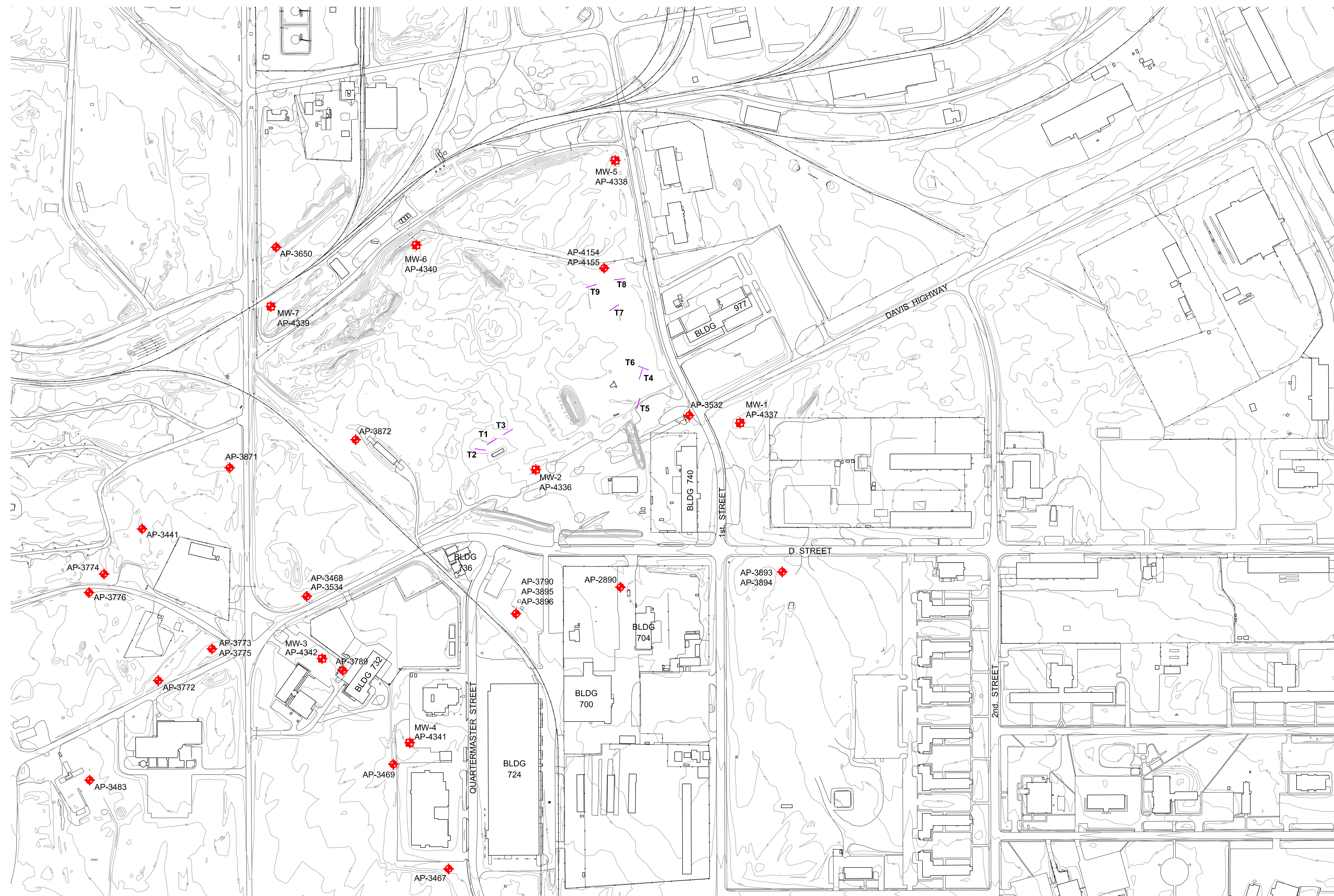
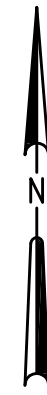


- LEGEND**
- (AP-3483) EXISTING MONITORING WELL
 - (AP-4328) TRANSFORMER OIL BURNING PIT SOIL BORINGS
 - (T1) TRANSFORMER MOUNTING AREA SOIL BORINGS
 - (S30) FORMER STOCKPILE SOIL BORINGS
 - (P1) PERIPHERAL ROAD SOIL BORINGS



PRELIMINARY

Figure 4-1
 Building 35-752 Sample Locations
 Operable Unit E
 Preliminary Site Characterization Report
 Fort Richardson, Alaska



- LEGEND
- (AP-3483) EXISTING MONITORING WELL
 - (MW-1) NEW MONITORING WELL
 - (TP-1) TEST PIT TRENCHING

PRELIMINARY

Figure 4-2
 Armed Vehicle Maintenance Area (AVMA) Sample Locations
 Operable Unit E
 Preliminary Site Characterization Report
 Fort Richardson, Alaska

SECTION 5

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Appendix A

Soil Boring Logs



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4337 (MW-1)	Sheet 1 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 306.139 NORTHING (FT) : 2652705.448 EASTING (FT) : 1692110.075

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 105 feet ATD START : 8/6/02 09:45 END : 10/3/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0	6	CORE		Organic Silt (OL). Brown to reddish-brown, moist, loose. Root zone. One cobble in sampler.		PID=0.0
2.5				Some as above with trace cobbles.		Just emptied sample out of sampler. PID=0.0
5.0	10	CORE		Well-Graded Sand with Silt and Gravel (SW-SM). Gray-brown, moist, loose. Sand is fine to medium grained, gravels are subangular.		PID=0.0
7.5	22	CORE		Silty Sand with Gravel (SM). Gray brown, moist, loose. Becoming siltier with depth.		
10.0	20	CORE		Trace cobbles and coal. Approximately 35% silt.		Begin Drumming Soil. Will cap next liner to collect a sample. Had to use big sampler to 15'. PID=1198
12.5	20	CORE		Same as above. Cobbles increasing in size.		Capped liner for possible sample collection. Sample collected at 10:30 on 8/6/02, 02AVMA27SL. PID=1055
15.0	0	CORE		No recovery		Rock blocked sampler. No recovery. No liner used. No PID sample.
17.5	24	CORE		Same as above. Pockets of gray, brown silt.		Cobbles throughout. Hard drilling. PID=1333
20.0	24	CORE		Rusty band at 19 feet.		Had to drill in two segments due to rock in sampler. No liner in second run. PID=543
22.5	22	CORE		Silty Gravel with Sand (GM). Grayish tan, moist, medium dense, trace coal and rusty patches. Fine, subangular gravel.		Drilled in two segments due to rock. Some chips from hole conditioning in top of sampler. No liner on second run. PID=611
25.0	18	CORE		Trace cobbles greater than 3 inches. Increasing sand with depth.		PID=160
27.5	24	CORE		Same as above, less coal.		PID=0.0
30.0	18	CORE		Some areas "stained" a purple color. Decreasing sand. Gravel ranges from fine subangular to subround cobbles.		PID=517

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 309.54	Dia. : N/A	Type : Bentonite Chips
Vent hole? : Yes	Type : N/A	Quantity used : 1 bag
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Volclay
Weep hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Natural cave-in	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : N/A	DEVELOPMENT
Type : PVC		Method : Surged for 15 minutes. Bailor.
		Time : 1 hour
		Estimated purge volume : 8.5 gallons
Comments :		

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4337 (MW-1)	Sheet 2 of 4
SOIL BORING LOG		

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 306.139 NORTHING (FT) : 2652705.448 EASTING (FT) : 1692110.075

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 105 feet ATD START : 8/6/02 09:45 END : 10/3/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION	WELL	COMMENTS
	INTERVAL (FT)	6"-6"-6" (N)			
	RECOVERY (IN)	#/TYPE			
20			Silty Gravel with Sand (GM). Grayish tan, moist, medium dense, trace coal and rusty patches. Fine, subangular gravel.	PID=248	
32.5			More coarse sand, fine gravel (angular), than above. Cobbles present. Some coal.	PID=102	
35	35.0	20	Silty Sand with Gravel (SM). Gray, moist, possibly wet, loose. Bottom half of sample is sand. Trace cobbles and coal silt present but coarse, angular sand dominates. Same as above, but more coal.	PID=51.4	
	37.5	10	Subrounded gravel ranges up to cobble size. Sand is coarse grained and subrounded.	PID=9.7	
40	40.0	6	Same as above. Trace coal.	PID=53.1	
	42.5	14	Same as above. Gravel is overall smaller and subrounded to 1 inch. Sand, medium grained, sub-angular. Less silt.	PID=27.4	
45	45.0	22	Same as above with trace cobbles at top and middle.	PID=36.7	
	47.5	20	Same as above, slightly coarser material.	PID=1.9	
50	50.0	12	Well-Graded Sand with Gravel (SW). Dark gray, moist to wet, loose. Few fines, cobbles in upper sample. Sand is medium to coarse, subrounded.	PID=5.6	
	52.5	18	Same as above. Gravel is subrounded to 3 inches.	PID=18.2	
55	55.0	16	Well-graded Gravel with Sand (GW). Light brown-gray gravel and sand, moist to wet, loose, trace coal and silt. Gravels to 2 inches.	PID=31.2	
	57.5	18	Well-Graded Sand with Gravel (SW). Gray, moist to wet, loose, trace silt. Coarse, subangular sand and subrounded gravels to 2 inches.	PID=34.7	
60	60.0	20	Same as above.	PID= 48.7	
	62.5	16	Poorly Graded Sand (SP). Dark gray, moist, loose, trace silt and gravel. Medium grained sand.		Some of loose sand sample fell out of sampler. PID=62.1
65	65.0	16	Well-graded Sand with Gravel (SW). Dark gray, moist, loose. Sand is well graded, fine to coarse, subangular. Gravels subround to 1 inch.		
	67.5	24	Well-graded Gravel (GW). Dark gray, moist, very loose. Subrounded gravel to 2 inches. Sand is coarse grained.		Will drum sandy cuttings. PID=134
70	70.0	20	Same as above with cobbles.	PID=91.2	

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4337 (MW-1)	Sheet 3 of 4
SOIL BORING LOG		

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 306.139 NORTHING (FT) : 2652705.448 EASTING (FT) : 1692110.075
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 105 feet ATD START : 8/6/02 09:45 END : 10/3/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
INTERVAL (FT)	RECOVERY (IN)				
	#/TYPE				
72.5	14 CORE	39-61-68-91 (129)	Well-graded Gravel (GW). Dark gray, moist, very loose. Subrounded gravel to 2 inches. Sand is coarse grained.		PID= 250
75.0	6 CORE		Well-Graded Sand with Gravel (SW). Light gray, moist, loose. Large cobble in shoe, little recovery. Sand is fine to medium grained.		PID= 103
77.5	26 CORE		Massive coal at bottom, trace silt, gravels to approximately 1.5". Sand is medium coarse and subangular.		PID= 45.7
81.0	18 CORE		Same as above. Gravel is subround to 1 inch. Sand is coarse and subangular. Cohesive silt lense at 79 feet.		PID= 50.2
84.0	24 SS	35-130	Same as above with trace cobbles.		Switched to rods. Pounded a sample for information. PID = 30.9
85.0	20 CORE		Poorly-graded Sand (SP). Tan-brown, moist, loose. Trace silt, fine grained sand.		PID= 91.9
87.5	30 CORE		Silty Sand (SM). Olive brown, moist, dense. Approximately 30% silt. Fine sand, no gravel. Silt in beds, pockets.		No PID sample.
90.0	28 CORE		Very fine sand with almost 50% silt.		PID= 35.4
92.5	30 CORE	02AVMA02GT CORE	Poorly-graded Sand (SP). Olive brown, moist, wetter than above, dense. Some silt at top and in pockets throughout. Fine sand, a little darker and wetter at bottom.		PID= 52.5
95.0	26 CORE		Same as above. Fine sand with trace silt.		Sample taken at 15:20 on 8/7/02. 02AVMA28SL. No picture. PID= 49.6
97.5	30 CORE		Same as above. Increased silt, approximately 10%. Sand is coarser with depth. Trace coal.		Two feet of heave. PID= 12.4
100.0	30 CORE		Medium coarse sand, some fines.		Drilled to 100'. Added water to augers to fight heave. PID= 3.2
102.5	18 02AVMA02GT SS	N/A	Silt (ML). Olive brown, moist, very stiff.		Very hard to drive spoons. Geotech sample taken at 17:40 on 8/7/02. 02AVMA02GT. No PID sample.
105.0	6 CORE		Hard, laminar bedded silt. Observed some sand at approximately 104'. Color changing to tan.		Driller reported hard, 1600 PSI at 84 to 85'. Liner used to 104'. No liner after that. PID = 0.0
107.5	8 CORE		Well-graded Gravel (GW). Tan-gray, wet, loose, trace sand and silt. Gravel up to 2 inches, some subround, otherwise broken.		Very hard drilling. Stood rig up. Liner used on first run. No liner used on second run to 107'. No PID sample.
110.0	8 CORE		Contained a fine poorly graded sand layer, then gravel with silt.		Rock in shoe. Will drill with rods. Drilled better with rods to 110'. No PID sample.

14FT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4337 (MW-1)	Sheet 4 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 306.139 NORTHING (FT) : 2652705.448 EASTING (FT) : 1692110.075
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 105 feet ATD START : 8/6/02 09:45 END : 10/3/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
115	0	0		Well-graded Gravel (GW). Tan-gray, wet, loose, trace sand and silt. Gravel up to 2 inches, some subround, otherwise broken.		Drilled with rods to 115'. Most was hard. Got a little different at end. No PID sample.
115.0				No recovery. Drilling through cobbles and gravel.		No recovery. Drillers were short a rod and did not recover anything.
120	0	0		Same as above.		There was a lot of stuff on the augers from grouting operations. No liner. No PID sample.
120	20	20		Same as above with fewer large gravels/cobbles. Layer of fine, poorly-graded sand at 120 feet becoming coarser with depth.		Driller notes water. No PID sample.
125	24	24		Well-graded Sand (SW). Gray, wet, heaving. Bottom of boring at 123 feet.		Heaving sand at bottom according to drillers. Four drum of IDW cuttings produced. No PID sample.
130						
135						
140						
145						
150						

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 299.49 NORTHING (FT) : 2652539.151 EASTING (FT) : 1691246.918
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 108 feet ATD START : 8/1/02 09:00 END : 9/6/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0	8	CORE		Organic Silt (OL). Brown to reddish-tan, moist, loose to medium stiff. Dry silty layer. Cobbles reported too.		Soil root zone. PID = 177
2.5						
5.0	12	CORE		Silty Sand with Gravel (SM). Dark brown sand and gravel, tan silt, moist, loose. Cobbles observed during drilling. Fine grained sand, well-graded subangular gravel.		Encountered rock in shoe. PID=152
7.5	28	GRAY MASS CORE		Same as above, gravels are larger and silt fraction is less distinct. Trace cobbles are evident.		PID = greater than 2,000. Sample 02AVMA25SL at 10:40 on 8/1/02.
10.0	24	CORE		Same as above.		Stained, oily appearance. PID = 1573 (taken from shoe)
12.5	28	CORE		Silty Gravel with Sand (GM). Tan, moist, loose to medium dense. Gravels are overall larger than above with less sand.		Will no longer drum cuttings. PID = 10.7
15.0	24	CORE		Decreased sand content. Gravel is well-graded and subrounded.		Driller added water to hole. Soil feels sticky. PID = 447
17.5	10	CORE		Same as above, trace cobbles present. Some rusty zones.		PID = 373
20.0	28	CORE		Same as above, trace coal. Gravel is decreasing in size. Sand is coarse and subangular.		PID = 257
22.5	28	CORE		Same as above, gravels are subround, approximately 0.75 inch in diameter.		PID = 39.1
25.0	18	CORE		Well-graded Sand (SW). Dark brown, moist, loose, trace gravel.		Driller reports "softer". PID = 0
27.5	24	CORE		Silty Gravel (GM). Brown, moist, loose to medium dense. Trace cobbles throughout. Fine, subangular gravel.		PID = 164
30.0	26	CORE		Increased sand content. Becoming a Silty Gravel with Sand (GM).		PID = 801

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 302.06	Dia. : N/A	Type : None
Vent hole? : Yes	Type : N/A	Quantity used : N/A
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Volclay
Weep hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Natural cave-in	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : N/A	DEVELOPMENT
Type : PVC		Method : Grundfos pump and bailer.
		Time : 21 minutes
		Estimated purge volume : 2 gallons
Comments :		

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4336 (MW-2)	Sheet 2 of 4
SOIL BORING LOG		

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 299.49 NORTHING (FT) : 2852539.151 EASTING (FT) : 1691246.918
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 108 feet ATD START : 8/1/02 09:00 END : 9/6/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION	WELL	COMMENTS
	INTERVAL (FT)	RECOVERY (IN)			
	#/TYPE	6"-6"-6"-6" (N)			
32.0	23	core	Silty Gravel (GM). Brown, moist, loose to medium dense. Trace cobbles throughout. Fine, subangular gravel. Coal pockets. Increased sand with depth.		PID = 278 32' to 35' drilled in two intervals due to rock. No liner. PID = 1,025.
35.0	6	core	Silty Sand (SM). Gray, moist, loose, trace gravel.		PID = 0 PID = 97.7
37.5	14	core	Silty Sand with Gravel (SM). Gray brown, moist, loose, trace cobbles. Some rusty zones. Sand is coarse grained. Gravels are fairly well-graded.		Blocked by rock to 39'. Will go without liner. "Wide-mouth" with no liner was then blocked too. No liner used. PID = 0.
40.0	6	core	Same as above, trace cobbles in shoe and throughout, rusty patches.		PID = 2.0
42.5	26	core	Same as above, less silt.		PID = 40.0
45.0	16	core	Well-graded Gravel with Sand (GW). Tan-brown, moist, loose. Gravels up to 2.5". Driller reports a cobble zone. Sand is well-graded.		PID = 927
47.0	18	core	Well-graded Sand with Gravel (SW). Gray-brown, moist, loose, trace silt. Sand is well-graded. Gravels from 0.25" to greater than 2.5".		Driller added water to hole. PID = 95 PID = 0
47.5	20	core	Same as above, trace coal and cobbles, increased gravel content becoming larger with depth. Silt is tan in color.		No recovery. Rock blocked sampler.
50.0	0	core			Band of coal (2 inches) at 53 feet. Sand is fine to medium grained. Gravels to 0.5 inch.
52.5	30	core			Same as above. Increased gravel content. Gravels are subround (0.25" to greater than 2.5"). Coal still present. Sand is medium to coarse grained and subangular.
55.0	20	core			Well-graded Gravel with Sand (GW). Brown-gray, moist, loose, with approximately 10 percent sand. Gravel is round to subround, fine to coarse (3 inches). Sand is medium to coarse grained and subrounded.
57.5	24	core			Poorly-graded Gravel with Silt and Sand (GP-GM). Gray-brown, moist, loose. Coarse gravel of 2.5 inches, round to subround. Trace fine to medium gravel.
60.0	16	core			Well-graded Gravel with Silt and Sand (GW-GM). Gray-brown, moist, loose. Gravel is subround to round to greater than 3". Sand is medium to coarse.
62.5	18	core			Well-graded Gravel with Sand (GW). Gray, moist, loose. Same as above with more sand. Mostly medium grained sand.
65.0	20	core			Same as above. Color changing to brown. Gravel is fine to coarse, round to subround with medium to coarse sand. Gravel diameter to greater than 3".
67.5	20	core			
70.0	20	core			

HFT WELL STICKUP OUE1.GPJ CH2M_ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4336 (MW-2)	Sheet 3 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 299.49 NORTHING (FT) : 2652539.151 EASTING (FT) : 1691246.918

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 108 feet ATD START : 8/1/02 09:00 END : 9/6/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	WELL	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, FIELD TEST RESULTS, DRILLER OBSERVATIONS, AND PID (IN PPMV) RESULTS.
	RECOVERY (IN)	#/TYPE				
		24	CORE	Well-graded Gravel with Sand (GW). Gray, moist, loose. Same as above with more sand. Mostly medium grained sand. Same as above.		PID = 20.9
75	72.5			Same as above.		Collected sample 02AVMA26SL at 10:45 on 8/2/02. PID = 90.9.
	75.0	20	CORE	Same as above.		PID = 27.8
	77.5	18	CORE	Same as above.		Driller reported easy drilling, less than 100 psi of pressure. PID = 11.8
80	80.0	18	CORE	Well-graded Sand with Gravel (SW). Gray-brown, moist, loose. Fine to medium grained sand with trace gravel. Gravel is fine to medium grained and rounded.		PID = 37.7
	82.5	14	CORE	Well-graded Gravel with Silt and Sand (GP-GM). Gray, moist to wet, loose. Fine to coarse gravel, less than 2", with fine to coarse sand.		PID = 24.4
85	85.0	24	CORE	Poorly-graded Sand (SP). Brown-gray, moist, loose. Medium-fine grained sand.		PID = 13.2
	87.5	18	CORE	Poorly-graded Gravel with Sand (GP). Brown-gray, moist, loose. Gravel is fine grained and round to subround. Sand is fine to coarse grained.		PID = 14.6
90	90.0	18	CORE	Well-graded Sand (SW). Brown-gray, dry to moist, loose. Fine to coarse grained sand with rounded, fine to coarse gravel with diameter less than 3 inches.		PID = 15.0
	92.5	26	CORE	Fines with depth. Goes from fine to coarse gravel (greater than 3") to fine to coarse sand, subround to round. Shoe is mostly fine to medium sand.		PID = 20.8
	95.0	20	CORE	Fine to coarse sand with gravel. Gravel is approximately 30% to 40%, fine to coarse, subround to well-rounded, diameter up to greater than 3".		PID = 32.1
95	95.0	24	CORE	Fine to coarse sand with gravel. Gravel is fine to coarse, rounded, and up to 2.5" in diameter.		PID = 15.5
	97.5	20	CORE	Same as above, but more coarse gravel, rounded, diameter up to greater than 3". More coarse sand.		Soil on top of sampler. May have lost cap screw. Consider pulling augers after about 10'. PID = 19.7
100	100.0	20	CORE	Well-graded Gravel (GW). Brown-gray, moist, loose. Fine to coarse gravel, rounded, diameter greater than 3". Fine to coarse sand. Trace silt.		PID = 9.2
	102.5	22	CORE	Same as above, trace coal.		PID = 9.6
105	105.0	22	CORE	Same as above, but sand is more coarse.		PID = 9.6
	107.5	19	CORE	Same as above, fine to coarse gravel, diameter less than 2.5", well-rounded. Fine to coarse sand.		
110	110.0	12	CORE	Same as above, wet.		Water at 108' bgs. Set up to drive for geotech sample. PID = 14.7

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4336 (MW-2)	Sheet 4 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 299.49 NORTHING (FT) : 2652539.151 EASTING (FT) : 1691246.918

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 108 feet ATD START : 8/1/02 09:00 END : 9/6/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
112.0	24	02AVMA01GT SS	8-20-41-100 (61)	Well-graded Gravel (GW). Brown-gray, moist, loose. Fine to coarse gravel, rounded, diameter greater than 3". Fine to coarse sand. Trace silt.		Brass liners used to collect sample 02AVMA01GT at 15:30 on 8/2/02. PID = 1.8
115.0	28	CORE		Silt (ML). Yellow-brown, dry, stiff.		Approximately 15' of water evident at 112'. Augers appear broken. PID = 0.9
117.5	27	CORE		Same as above with trace very fine sand and subround gravels up to 1.5 inches.		PID = 1.3
120.0	30	CORE		Silty Sand (SM). Dark gray, wet, fluid.		Drilled stiffer last foot. Drastic change. PID = 1.3
122.5	28	CORE		Silt (ML). Dark gray with olive, moist, very stiff.		Silt in confining layer. PID = 0.3
125.0	30	CORE		Poorly-graded Sand (SP). Dark gray, wet, medium dense.		Bottom is stiff and dry. PID = 1.1
127.5	30	CORE		Silt (ML). Dark gray with olive, moist, very stiff. Trace sand and small gravel.		Driller says, "same stuff." PID = 0.3
130.0	16	CORE		Some as above with a thin band of sand and gravel at the top, then becoming progressively more silty and drier with depth.		Sampler half full of water. PID = 0
132.5	24	CORE		Sandy layer at 127' and wet. Becoming drier with depth. Trace gravel, subround to 0.5 inch throughout.		Rods hard to get out and in. PID = 0
135.0	30	CORE		Drier at the bottom.		No PID sample.
				Decreased gravel content. Increased sand content with depth. Soil color changing to olive.		
				Large cobble at 133.5 feet. Olive rather than gray. Some fine gravel throughout.		
				Bottom of boring at 135 feet.		Three 1DW drums of cuttings produced.

HFT WELL STICKUP OUE1.GPJ CH2M_AINC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4342 (MW-3)	Sheet 1 of 3
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 293.357 NORTHING (FT) : 2651681.749 EASTING (FT) : 1690320.01
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 92 feet ATD START : 10/4/02 09:00 END : 10/10/02 16:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0	18	CORE		Organic Silt (OL). Red-brown, moist, medium stiff. Vegetation on top then silty organic soil with gravel.		PID = 1.9
2.5	12	CORE		Silty Sand with Gravel (SM). Dark brown, moist, loose. Gravels sub-round to 3". Sand fairly coarse.		PID = 0.6
5.0	16	CORE		Same as above. Slightly coarser sands. Darker at top then lighter.		PID = 0.0
7.5	13	CORE		Same as above. More silty at bottom. Some cobbles. The rest of the gravel is approximately 1.5".		PID = 0.0
10.0	20	CORE		Same as above. Increased silt, less sand than above.		PID = 0.0
12.5	0	CORE		No recovery. Unable to determine soil type by drilling action.		Stuck on a rock. Drilled with rods. No PID sample.
15.0	20	CORE		Gravel with Sand (GM). Brown-gray, very moist, dense, trace silt.		PID = 0.0
17.5	18	CORE		Silty Sand with Gravel (SM). Gray, moist, dense. Fractured gravel up to 3" in diameter.		PID = 1.1
20.0	22	CORE		Perched water 20.5" to 21".		Much chatter in drilling action. PID = 0.6
22.5	18	CORE		Same as above.		PID = 0.7
25.0	18	CORE		Gravel with Sand (GM). Brown, moist, dense, trace silt. Minor plasticity.		PID = 0.2
27.5	0	CORE		No recovery due to cobbles. All cobbles were crushed.		No PID sample.
30.0						

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 293.36	Dia. : N/A	Type : Bentonite Chips
Vent hole? : Yes	Type : N/A	Quantity used : 1 bag
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Voidclay
Weap hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Natural cave-in and silica sand	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : 1 bag	DEVELOPMENT
Type : PVC		Method : Bailer
		Time : 1 hour
		Estimated purge volume : 4 gallons
Comments :		

HFT WELL STICKUP OUE1.GPJ CH2M ANIC.GDT 2/24/03



PROJECT NUMBER
171256.A0.03

BORING NUMBER
AP-4342 (MW-3)

Sheet 2 of 3

SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 293.357 NORTHING (FT) : 2651681.749 EASTING (FT) : 1690320.01

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 92 feet ATD START : 10/4/02 09:00 END : 10/10/02 16:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
35	18	core		Gravel with Sand (GM). Brown, moist, dense, trace silt. Minor plasticity. Same as above. Mix of angular and subround gravel.		PID = 1.3
35	16	core		Same as above. Gravels to 3", freshly fractured. Trace silt.		PID = 0.9
40	22	core		Same as above. Fractured subround gravel to 3" in diameter.		PID = 2.0
40	20	core		Same as above.		PID = 0.7. Cuttings showed perched water and 1" subround gravel.
40	20	core		Same as above.		PID = 1.1
45	12	core		Same as above. Gravel to 2.5 inches.		PID = 0.0
45	16	core		Silty Sand with Gravel (SM). Brown, moist, dense. Gravel is fractured and up to 2.5 inches.		PID = 0.0
50	14	core		Same as above. Fractured gravel to 2". Trace silt.		PID = 0.7
50	10	core		Same as above. Fractured gravel to 2.5".		Rock obstruction in shoe. PID = 0.0
55	12	core		Well-graded Sand with Gravel (SW). Brown, moist, dense. Subround gravel to 1 inch. Fine to coarse sand.		PID = 0.0
55	20	core		Poorly-graded Sand (SP). Brown, moist, loose. Medium-fine sand.		PID = 0.1
60	14	core		Same as above. Sand is medium grained. Trace subround gravel to 2" and smaller.		No PID sample.
60	26	core		Well-graded Sand with Gravel (SW). Dark grey, moist, loose. Medium sand with subround gravel to 1 inch.		PID = 0.1
65	14	core		Same as above with increased silt and gravel. Gravel is angular.		PID = 0.0
65	12	core		Well-graded Gravel with Sand (GW). Tan-grey, very moist, loose. Coarser sand and gravel than above.		Rock in shoe. No PID sample.
70	0	core		No recovery		Driller thinks we may have hit silt at bottom of run. Rock in shoe though. No liner. No PID sample.

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4342 (MW-3)	Sheet 3 of 3
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 293.357 NORTHING (FT) : 2651681.749 EASTING (FT) : 1690320.01

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 92 feet ATD START : 10/4/02 09:00 END : 10/10/02 16:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
75	6	CORE		Poorly-graded Sand (SP). Tan-gray, moist, loose, trace silt. Medium-fine sand.		Rock in shoe again. No PID sample.
75	28	CORE		Same as above. Medium sand, trace gravel and silt. Subrounded gravel is approximately 0.75" to 1 inches.		PID = 0.3
75	12	CORE		Same as above, less silt, gravels larger than above.		PID = 1.6
80	12	CORE		Well-graded Sand with Gravel (SW). Dark gray, moist, loose, trace cobbles. Coarse sand.		PID = 1.2
80	24	CORE		Same as above, becoming drier with depth.		PID = 0.8
85	14	CORE		Poorly-graded Sand with Gravel (SP). Dark gray, moist, loose. Gravel is finer, less graded than above. Sand is medium fine grained. Same as above. Some rusty stained zones. More and larger gravel/cobbles at bottom.		Rock in shoe. PID = 0.3
85	13	CORE		Same as above but increased cobbles and silt.		PID = 1.2
85	16	CORE		Same as above.		Possible silt in shoe. PID = 0.0
90	0	CORE				Suspected rock in shoe. No liner. No recovery on rest of run to 92.5'.
95	21	02AVMA38SL CORE		Silt (ML). Silt.		Samples 02AVMA38SL, 02AVMA39SL, 02AVMA40SL taken at 15:30, 15:35, and 15:40 respectively on 10/10/02. No IDW drums of cuttings generated.
95				Wet.	▽ ATD	
100				Bottom of boring at 97.5 feet.		

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4341 (MW-4)	Sheet 1 of 2
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 291.133 NORTHING (FT) : 2651219.362 EASTING (FT) : 1690639.452
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 60 feet ATD START : 9/24/02 10:00 END : 9/25/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	WELL	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, FIELD TEST RESULTS, DRILLER OBSERVATIONS, AND PID (IN PPMV) RESULTS.
	RECOVERY (IN)	#/TYPE				
0.0	14	SS1 CORE		Organic Silt or Clay (OL). Brown, moist, loose. Some plastic in top of root zone. Gravels to 1 inch.		PID = 0.1
2.5	16	SS2 CORE		Sandy at top. Some root mass, more silt, finer sand toward bottom. Gravels to 1.5 inches.		PID = 0.0
5.0	18	SS3 CORE		Well-graded Sand (SW). Brown, moist, loose, trace silt. Plug of wetter silty sluff at top of sample. Rest of sample is fine to medium sand with subangular gravels to 2 inch.		PID = 0.6
7.5	18	SS4 CORE		Well-graded Sand with Silt (SW-SM). Tan, moist, loose to medium dense. Gravels subangular to greater than 2 inches. Rusty sandstone pieces throughout.		PID = 0.1
10.0	20	SS5 CORE		Same as above. Some rusty grains. Subangular gravels to 3 inches. Sand is medium to coarse grained.		PID = 0.2
12.5	14	SS6 CORE		Same as above. Some rusty grains and trace coal. Increasing silt becoming wetter and stiffer mid-sample.		PID = 0.0
15.0	30	SS7 CORE		Same as above. Trace coal, rusty grains. Increasing gravel content and trace cobbles.		Rock in shoe on first run. PID = 0.0
17.5	12	SS8 CORE		Same as above. Increasing cobbles.		Rock in shoe. PID = 0.0
20.0	28	SS9 CORE		Same as above with trace coal, rusty grains, and cobbles. Sands are becoming larger grained. Increasing silt content.		PID = 0.2
22.5	20	SS10 CORE		Silty Sand (SM). Dark tan, moist, loose. Increased coal content. few cobbles, and gravels are smaller than above.		PID = 0.0
25.0	16	SS11 CORE		Same as above with increasing gravel content. Rusty grains, sand is fairly coarse. Most gravels approximately 1 inch in diameter.		PID = 0.0
27.5	14	SS12 CORE		Silty Gravel (GM). Tan, moist, loose. Overall coarser than above. Top contained approximately 0.5 to 0.75 inch gravels with no sand.		No PID sample.
30.0						

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 294.23	Dia. : N/A	Type : Bentonite Chips
Vent hole? : Yes	Type : N/A	Quantity used : 1 bag
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Volclay
Weep hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Silica Sand	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : 8 bags	DEVELOPMENT
Type : PVC		Method : Not developed
		Time : N/A
		Estimated purge volume : N/A

Comments : In order to ensure that a sample could be collected from the limited water present, this well was not developed.

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4341 (MW-4)	Sheet 2 of 2
SOIL BORING LOG		

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 291.133 NORTHING (FT) : 2651219.362 EASTING (FT) : 1690639.452
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 60 feet ATD START : 9/24/02 10:00 END : 9/25/02 12:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	WELL	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, FIELD TEST RESULTS, DRILLER OBSERVATIONS, AND PID (IN PPMV) RESULTS.
	RECOVERY (IN)	#/TYPE				
35	14	SS11 CORE		Silty Sand (SM). Tan, moist, loose. Top contained coal, silty gravel, then less gravel, more sand with silt in matrix.		Rock in shoe. PID = 0.0
	32.5			Same as above with increasing cobble and coal content.		PID = 0.0
	16	SS14 CORE				
	35.0			Silty Gravel (GM). Tan, moist, loose. Increased coal at 37 feet. Fine gravel rather than sand.		PID = 0.0
	17	SS15 CORE				
	37.5			Trace cobbles and increasing sand content.		PID = 0.0
	18	SS16 CORE				
40	40.0			Becoming sandier (finer gravels) with depth. Trace cobbles throughout.		PID = 0.0
	16	SS17 CORE				
	42.5			Silty Sand (SM). Tan, moist, loose with trace cobbles. Fine sands.		PID = 0.0
	14	SS18 CORE				
45	45.0			Sand becoming medium grained.		PID = 0.0
	18	SS19 CORE				
	47.5			Sand is finer grained with less silt and gravel.		Driller says last part drilled easier. PID = 0.0
	14	SS20 CORE				
50	50.0			Well-graded Sand with Silt (SW-SM). Dark gray, moist, loose. Trace coal. Many cobbles greater than 3 inches. Less silt than above and finer sands.		PID = 0.0
	12	SS21 CORE				
	52.5			Well-graded Sand (SW). Dark gray, moist, loose. Large cobble at 53.3 feet. Clean medium grained sand.		Rock in shoe. No liner used. PID = 0.0
	16	SS22 CORE				
55	55.0			Well-graded Sand with Silt (SW-SM). Dark gray, moist, loose. Fine sands and silt.		PID = 0.0
	18	SS23 CORE				
	57.5			Well-graded Sand (SW). Gray-tan, moist, loose. Trace cobbles and silt throughout. Sand fine to medium grained. Most gravels subangular to 1 inch in diameter.		PID = 0.0
	20	SS24 CORE				
60	60.0			Well-graded Sand with Silt (SW-SM). Dark tan-gray, moist, loose. Decreasing silt content and sands becoming finer grained with depth. Trace subround gravel throughout.		PID = 0.0
	30	02AVMA34SL CORE		Well-graded Sand (SW). Dark gray, wet, loose.		Sampled 02AVMA34SL, 02AVMA35SL, and 02AVMA36SL on 9/24/02 at 16:45, 16:50, and 17:00 respectively. Triplicate sample. Bagged a sample above silt for later collection.
	62.5			Silt (ML). Tan, moist to dry, very stiff. Increasing sand content with depth.		
	30	02AVMA37SL CORE		Well		Sampled 02AVMA37SL on 9/25/02 at 09:35. Bottom of boring. No IDW drums of cuttings generated.
65	65.0			Poorly-graded Sand (SP). Dark gray, moist, medium dense, trace silt.		
				Bottom of boring at 65 feet.		
70						

HFT WELL STICKUP OUE: GP, CH2M ANC.GDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 306.67 NORTHING (FT) : 2653886.156 EASTING (FT) : 1691601.789
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 130 feet ATD START : 8/13/02 09:00 END : 9/23/02 13:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0	16	CORE		Organic Silt (OL). Red-brown, moist, stiff, trace cobbles and roots.		Piece of wire in top 12". PID = 85.2
2.5	16	CORE		Well-graded Sand with Gravel (SW). Dark brown, moist, loose. Medium to coarse sand, gravels are subangular to 1.5 inch.		Second run to 5' only contained a rock. PID = 297
5.0	16	CORE		Well-graded Sand with Silt and Gravel (SW-SM). Dark brown, moist, loose.		PID = 510
7.5	6	CORE		Same as above, slightly more silt.		Did this in two runs. Rock in shoe at 10'. PID = 365
10.0	10	CORE		Same as above. Cobbles more prevalent. Some rust inclusions.		Added bentonite and water to hole. PID = 32.6
12.5	18	CORE		Silty Gravel with Sand (GM). Tan, moist, medium dense, trace cobbles. Silt with sand and fine gravels as a matrix with cobbles.		PID = 0.0
15.0	16	CORE		Same as above. Some bands of rust. Fewer cobbles.		PID = 0.0
17.5	28	CORE		Same as above. Trace coal, particularly at 17 feet. Rust band of sand at 16 feet.		PID = 0.0
20.0	24	CORE		Same as above. Dark tan. Trace coal, rust, and cobbles throughout sample. A band of finer sand was present at 19.5 feet.		PID = 0.0
22.5	26	CORE		Same as above. Trace coal in pockets, Cobbles smaller overall. Drillers report rock at 22.5". Sand is coarse. Some reddish tan silt in pockets.		PID = 0.0
25.0	26	CORE		Same as above.		PID = 0.0
27.5	24	CORE		More silt than above. Bottom has less sand. Rust and coal at mid-sample along with more sand. Cobbles throughout.		PID = 29.0
30.0	20	CORE		Same as above. Wet silt at 28.5 feet with gravel and coal. Silt in pockets along with yellow and orange sand. Sample is varied.		Drillers note fewer boulders here. PID = 4.4

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 309.77	Dia.: N/A	Type: Bentonite Chips
Vent hole?: Yes	Type: N/A	Quantity used: 3 bags
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type: Steel Overcasing	Type: Pre-pack	Mix used: Volclay
Weep hole?: No	Slot size: D.010	Method of placement: Down auger
Concrete pad dimensions: 24" by 24"	SCREEN FILTER	Vol. in surface casing: N/A
WELL CASING	Type: Natural cave-in	Vol. in well casing: Filled to surface
Dia.: 2"	Quantity used: N/A	DEVELOPMENT
Type: PVC		Method: Surged for 15 minutes. Bailer.
		Time: 1.2 hours
		Estimated purge volume: 6.5 gallons
Comments:		

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 306.67 NORTHING (FT) : 2653886.156 EASTING (FT) : 1691601.789
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 130 feet ATD START : 8/13/02 09:00 END : 9/23/02 13:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
	20	core		Silty Gravel with Sand (GM). Tan, moist, medium dense, trace cobbles. Silt with sand and fine gravels as a matrix with cobbles.		Chips and water added to hole at 30'. Drill two runs because of rock. PID = 0.0
35	32.5			No recovery		Drilled in two runs. Hit rock. No recovery. No liner. PID = 0.0
	18	core		Same as above. Coal present.		PID = 0.0
	35.0			Same as above. Less coal.		PID = 0.0
	20	core		Same as above. Color is lannish gray. Pieces of coal. Cobbles persist. More sand, finer grained.		PID = 0.0
40	37.5					
	8	core				
	40.0					
	10	core				
	42.5					
45	45.0			Silty Sand with Gravel (SM). Gray-brown, moist, medium dense. Coarse grained sand, gravel is subround to 2 inches.		Harder drilling from 42.5' to 45'. PID = 0.0
	18	core				Only one rock for recovery. No PID sample.
	0	core				
	47.5			Same as above with less silt. Becoming loose. Two thin bands of coal. Trace cobbles throughout. Sand is well-graded and fine to medium grained.		Driller reports, "loose." PID = 0.0
50	50.0			Well-graded Sand with Silt and Gravel (SW-SM). Brownish-gray, moist, loose. Cleaner sand, little silt. Trace cobbles still present.		PID = 0.0
	10	core				
	52.5			Well-graded Sand with Gravel (SW). Gray, moist, loose, trace cobbles present. Sand is medium to coarse grained and very moist.		PID = 2.6
55	55.0			Same as above with trace coal and silt.		PID = 0.0
	18	core				
	57.5			Same as above with rusty patches and coal. Gravel is more rounded than above.		No PID sample.
60	60.0			Same as above with more silt.		PID = 0.0
	18	core				
	62.5			Well-graded Gravel with Sand (GW). Tan-gray, moist, loose, trace silt. Gravel up to 2 inches. Much less sand than above.		PID = 0.0
65	65.0			Well-graded Sand with Gravel (SW). Tan-gray, moist, loose, trace cobbles and silt.		Four inches of concrete slough recovered. PID = 0.8
	16	core				
	67.5			Some as above with increased cobbles in upper part of sample then smaller gravel (1 inch) and increased sand.		PID = 2.3
	16	core				
70	70.0					

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 306.67 NORTHING (FT) : 2653886.156 EASTING (FT) : 1691601.789
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 130 feet ATD START : 8/13/02 09:00 END : 9/23/02 13:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
75	72.5	18	CORE	Well-graded Sand with Gravel (SW). Tan-gray, moist, loose, trace cobbles and silt. Sandier than above. More fine gravels. Gravels to 2 inches and more round. Trace silt in pockets.		PID = 4.7
	75.0	18	CORE	Same as above with more coarse grains at the top. A wet gravel band is evident at 73.5 feet. Some rusty grains at 74 feet.		PID = 1.2
80	77.5	22	CORE	Well-graded Gravel with Sand (GW). Tan-gray, moist, loose, trace silt. Gravel is coarser overall, but large gravels in the top only.		PID = 1.1
	80.0	16	CORE	Well-graded Sand with Gravel (SW). Dark gray, moist, loose. Fine to medium grained sand. Trace cobbles at top. Gravel to about 1.5 inches.		PID = 3.7
85	82.5	20	CORE	Same as above with some medium gravels at the top with more silt. Then, medium sand with a few cobbles (trace). More silt at the bottom.		PID = 3.0
	85.0	18	CORE	Same as above with coarser sand at the top. Increased silt and sand with depth.		PID = 5.8
90	87.5	14	CORE	Same as above with a finer sand and more silt 86 feet. Trace cobbles. Cobble in shoe.		Rock in shoe. PID = 4.5
	90.0	14	CORE	Same as above with gravel to 0.5 inch. Slightly more silt in bottom. Cobble with silt around and near bottom of run.		No liner used on second run due to rock. PID = 8.5
95	92.5	22	CORE	Same as above with cobbles. Most gravels subround to 0.5". Trace silt. Sand is medium to coarse grained.		PID = 6.8
	95.0	30	CORE	Same as above with more cobbles. Sand is finer grained. Bottom has more silt, some in pockets.		PID = 6.1
100	97.5	20	CORE	Same as above. Coarse sand and cobbles.		Only cuttings are volclay, cement mix. PID = 6.2
	100.0	23	CORE	Poorly-graded Sand with Gravel (SP). Dark gray, moist, loose, trace silt. Medium sand.		PID = 8.8
105	102.5	24	CORE	Well-graded Gravel with Sand (GW). Tan, gray, moist, loose, trace cobbles. Fine sand and silt in matrix.		Drills soft. PID = 7.5
	105.0	24	CORE	Poorly-graded Sand with Gravel (SP). Dark gray, moist, loose. Fine to medium sand, more gravel, including cobbles at top. Less gravel and smaller at bottom.		Rods hung up for a while. PID = 5.8
110	107.5	26	CORE	Same as above with slightly more gravel at bottom. Cobble at bottom as well.		Starting to see other material in cuttings, not just cement mix. PID = 7.1
	110.0	18	CORE	Same as above with a few subround gravels to 1.5 inch. Medium sand.		PID = 4.0
110				Well-graded Sand with Gravel (SW). Dark gray, moist, loose, trace silt. Gravel to 3 inches. Sand is fine to medium grained.		PID = 4.0

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4338 (MW-5)	Sheet 4 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation	LOCATION : Fort Richardson AVMA	DRILLING CONTRACTOR : Discovery Drilling
GROUND ELEVATION (FT) : 306.67	NORTHING (FT) : 2653886.156	EASTING (FT) : 1691601.789
DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig		
WATER LEVELS : 130 feet ATD	START : 8/13/02 09:00	END : 9/23/02 13:00
LOGGER : Andy Larson		

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
115	10	CORE		Well-graded Sand with Gravel (SW). Dark gray, moist, loose, trace silt. Gravel to 3 inches. Sand is fine to medium grained.		PID = 5.8
115	14	CORE		Well-graded Gravel with Sand (GW). Tan-gray, moist (almost wet), loose, trace silt. Gravel ranges from fine up to 2.5 inches.		PID = 7.6
120	16	02AVMA31SL CORE		Same as above, more sand, less silt.		Sampled on supposition that water was near. Sampled 02AVMA31SL at 15:50 on 9/4/02. PID = 7.4
120	24	CORE		Same as above. More fines in bottom. Trace cobbles throughout.		PID = 6.7
125	16	CORE		Well-graded Sand with Gravel (SW). Dark gray, moist, loose. Fine to medium sand and gravels to 0.75". Trace cobbles and silt.		Rock in shoe. PID = 6.9
125	0	CORE		Well-graded Gravel with Sand (GW). Unable to determine color due to mixing with grout. Cobbles throughout.		Augers in a bind. Have to pull back. No liner used. No PID reading taken beyond this point.
125	10	CORE		Silt (ML). Dark gray, moist, stiff.		
130				Well-graded Sand with Silt and Gravel (SW-SM). Tan, moist, loose. Sand is coarse. Largest gravels are 2" in diameter.		
135	30	CORE		Silty Sand with Gravel (SM). Gray, moist, stiff. Fine grained sand with silt. Gravels subround to 0.75" in diameter, semi-cemented. Hard drilling. No cuttings made it surface after 130'.		Drill with rock bit. Easier sections and rocky sections.
140	30	02AVMA33SL CORE		Well-graded Sand with Silt and Gravel (SW-SM). Gray sand and gravel, silt is tan, wet, medium dense. Two feet of heave in augers.		No easy drilling. Water zone encountered. Driller says, "no water yet." Sampled 02AVMA33SL at 11:20 on 9/23/02.
145				Bottom of boring at 141 feet.		Drilled with rock bit to 141. Rock at 141'. Bottom of boring. One IDW drum of cuttings generated.

HFT WELL STICK/UP OUE1.GPJ CH2M ANC.GDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 299.84 NORTHING (FT) : 2653480.305 EASTING (FT) : 1690878.163
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 119 feet ATD START : 8/22/02 08:30 END : 8/30/02 17:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0	6	6		Organic Sandy Silt (OL). Brown, moist, loose, trace cobbles. Root zone.		No PID sample.
2.5				Same as above.		Mini-Rae used for PID readings on this hole. PID = 5.9
5.0	16	16		Silty Sand with Gravel (SM). Brown, moist, loose, trace cobbles.		PID = 0.0
7.5				Well-graded Sand with Gravel (SW). Brown, moist, loose, trace silt and coal. Gravels subround up to 1.5 inch in diameter. Sand is fine grained.		PID = 0.0
10.0	17	17		Same as above. Sand is coarser than above.		Encountered a rock. No liner used. No PID sample.
12.5				Silty Gravel (GM). Brown, moist, loose.		No liner used. Shoe sized rock in sampler. Liner on completion to 15'. PID = 2.2
15.0	18	14		Same as above. Color changing to tan. Less sand than above. Gravel fine to 1.5 inch.		PID = 3.0
17.5				Same as above. Pockets of fine silt, yellowish sand grains.		No PID sample.
20.0	24	24		Silty Sand with Gravel (SM). Tan to brown, moist, medium dense, trace cobbles. Sands to medium grained.		PID = 3.0
22.5				Same as above.		PID = 0.1
25.0	16	16		Same as above. Some coal and cobbles.		PID = 0.1
27.5				Silty Gravel (GM). Tan, moist, medium dense, with trace cobbles.		PID = 0.0
30.0	18	20		Band of sandier material at 27'. Same as above. Color becoming darker than above with increased sand. Some rusty zones and cobbles.		

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 302.81	Dia. : N/A	Type : None
Vent hole? : Yes	Type : N/A	Quantity used : N/A
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Volclay
Weep hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Natural cave-in and silica sand	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : 0.5 bag	DEVELOPMENT
Type : PVC		Method : Surged for 15 minutes. Grundfos pump.
		Time : 1.75 hours
		Estimated purge volume : 16 gallons

Comments :

HFT WELL STICKUP OUE1.GPJ CH2M ANCLGDT 2/24/03



SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 299.84 NORTHING (FT) : 2653480.305 EASTING (FT) : 1690878.163

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 119 feet ATD START : 8/22/02 08:30 END : 8/30/02 17:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
				Same as above, slightly less sand.		Drillers say, "soft." PID = 0.0
	24	core		Poorly-graded Sand (SP). Brown-gray, moist, loose, with trace silt, coal, and gravel to 1.5 inches.		
	32.5			No recovery		No recovery
35	0	core		Same as above. More silt and gravel with depth. Trace coal.		PID = 0.0
	35.0			Silty Sand with Gravel (SM). Tan-brown, moist, loose, trace cobbles. Some silt pockets and gravel at top.		PID = 0.0
	20	core		Same as above. Sand is medium grained. Trace coal and cobbles throughout.		PID = 1.8
	37.5			Poorly-graded Sand with Silt and Gravel (SP-SM). Grayish-tan, moist, loose. Coarse subangular sand, gravel to greater than 2". Trace coal.		No liner. Big Mouth used. PID = 6.7
40	12	core		Same as above.		
	40.0			Gravely Silt with Sand (ML). Dark brown, moist, very stiff. Semi-cemented silt with gravel and sand. Hard.		Hard drilling. Drill will not proceed past location - rock? No liner on second run. No PID sample.
	42.5			Poorly-graded Sand with Silt and Gravel (SP-SM). Gray, moist to wet, loose with trace coal and cobbles. Sand becoming well-graded.		
	45	core		Gravely Silt with Sand (ML). Dark brown, moist, very stiff, less cohesion.		No recovery, Drill with rods.
	47.0			No recovery		
	47.5			Same as above.		Drillers will add water and chips to hole. PID = 0.0
	49.5			Well-graded Sand with Gravel (SW). Gray, moist, loose, with trace silt. Gravels to over 2". Coarse sand.		
50	0	core		Well-graded Sand with Silt and Gravel (SW-SM). Dark brown, moist, loose. Same as above, but darker and with more silt. Sands are smaller grained.		Rock issues reported by drillers. PID = 0.0
	50.0			Gravely Silt with Sand (ML). Dark brown, moist, stiff.		
	52.5			Same as above with less gravel.		PID = 5.5 (unnaturally high reading)
	55	core		Well-graded Sand with Gravel (SW). Gray, moist, loose, trace silt. Medium sand. Gravels subround to 3 inches.		PID = 4.9
	55.0			Same as above. Gravels subround, 0.5 inch to 3 inch.		Rock in shoe. Drilled with Big Mouth. Second run had no liner. PID = 5.9
	57.5			Same as above, slightly less silt.		PID = 6.5
	60	core		Same as above, slightly less silt.		
	60.0			Same as above. More tan silt in upper sample. Sand is fairly coarse. Cobble at bottom.		PID = 3.7
	62.5			Same as above.		No liner on second run. PID = 6.0
	65	core				
	65.0					
	67.5					
70	N/A	core				
	70.0					

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4340 (MW-6)	Sheet 3 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 299.84 NORTHING (FT) : 2653480.305 EASTING (FT) : 1690878.163

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 119 feet ATD START : 8/22/02 08:30 END : 8/30/02 17:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
75	72.5	20	CORE	Well-graded Sand with Gravel (SW). Gray, moist, loose, trace silt. Medium sand. Gravels subround to 3 inches.		PID = 1.0
	75.0	15	CORE	Same as above with slightly more silt and gravel. Cobble zone between 73 and 73.3 feet.		PID = 6.5
	77.5	18	CORE	More gravel than above. Trace silt. Sands coarser than above. Gravels well-graded from fine to over 3".		PID = 6.7
80	80.0	20	CORE	Same as above. Some coal at bottom. Slightly more silt at bottom.		PID = 5.9
	82.5	18	CORE	Same as above. Gravels smaller overall, but silt have cobbles, yellowish-orange grains. Some coal, trace silt.		PID = 6.0
85	85.0	20	CORE	Poorly-graded Sand with Gravel (SP). Gray, moist, loose, trace silt. Sample has reddish tint. White, granitic cobble mid-sample. Some rusty zones, less gravel present at bottom.		PID = 6.7
	87.5	22	CORE	Well-graded Sand with Gravel (SW). Gray, moist, loose, trace cobbles. Pockets of reddish-brown silt, yellowish-orange grains. Gravels generally approximately 1" in diameter.		PID = 5.8
90	90.0	23	CORE	Same as above. Gravel are subround, 0.5 inch to 1 inch. Increased silt at depth. Sand becoming finer grained.		PID = 4.8
	92.5	22	CORE	Same as above with less gravel at depth. Cobble zone at 91 feet. Sand is finer at bottom with increase silt content.		PID = 4.4
95	95.0	24	CORE	Same as above. Sand becoming finer grained with depth.		No PID sample.
	97.5	24	CORE	Same as above. Sand is very coarse. A few cobbles, but most gravels round to subround to less than 1 inch.		PID = 4.8
100	100.0	26	CORE	Same as above with slightly more silt. Gravels a little larger and less rounded.		Drillers conditioned hole with chips. PID = 3.9
	102.5	23	CORE	Same as above. Increased cobbles. Reddish sandstone mid-sample.		Chewed up liner. PID = 5.3
105	105.0	20	CORE	Same as above. Medium to coarse sand. Gravels to 0.5 inch. Trace coal.		PID = 6.2
	107.5	16	CORE	Same as above. Sand is fairly coarse. Gravels to approximately 1" except for cobbles. Increasing silt with depth.		PID = 5.5
110	110.0	14	CORE	Well-graded Gravel with Sand (GW). Gray, moist, loose, trace silt and cobbles. Gravels are 0.5 inch, subround, and subangular.		Rods were wet for approximately 8". PID = 4.2

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4340 (MW-6)	Sheet 4 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 299.84 NORTHING (FT) : 2653480.305 EASTING (FT) : 1690878.163
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 119 feet ATD START : 8/22/02 08:30 END : 8/30/02 17:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
115	112.5	24	CORE	Well-graded Sand with Gravel (SW). Gray, moist, loose, trace cobbles and silt. Sands are fine grained, gravels are 0.5 inch.		Rods wet again. Drills soft. Lots of cobbles in cuttings. PID = 6.0
				Same as above, less silt, fewer smaller gravels.		PID = 4.1
	115.0	16	CORE	Same as above.		Harder drilling. PID = 6.5
				Silty Sand with Gravel (SM). Tan, moist, medium dense, trace cobbles.		Broke key stock. Sampled 02AVMA30SL at 14:05. PID = 7.0
	117.5	26	CORE	Same as above, wet.		
120	120.0	10	02AVMA30SL CORE	Well-graded Gravel with Silt and Sand (GW-GM). Tan, wet, loose, trace cobble. Gravels from fine to one inch and subround.		Some of sample fell out. Have a little heave in augers. PID = 4.0
				Well-graded Gravel with Sand (GW). Tan-gray, wet, loose. Some cobbles at end of sample.		
125	122.5	10	CORE			
130			CORE			
135	135.0			Bottom of boring at 135 feet.		Drilled soft. Rods stuck in augers. Bottom of boring. No IDW drums of cuttings generated.
140						
145						
150						

HFT WELL STICKUP OUE1.GFJ.CH2M.ANC.GDT 2/24/03



PROJECT NUMBER
171256.A0.03

BORING NUMBER
AP-4339 (MW-7)

Sheet 1 of 4

SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 294.527 NORTHING (FT) : 2653217.721 EASTING (FT) : 1690040.615
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 115 feet ATD START : 8/15/02 12:35 END : 9/11/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
0.0				Organic Silt (OL). Dark brown to reddish-brown, moist, stiff. Root zone throughout. More sand in dark brown material.		Roots. PID = 411
2.5	20	CORE		Same as above, color is tan and becoming darker with depth. Trace subangular gravel to 2 inches throughout.		PID = 154
5.0	14	CORE		Silty Sand with Gravel (SM). Gray, moist, loose.		
7.5	10	CORE		Well-graded Sand with Silt and Gravel (SW-SM). Gray, moist, loose. Fine to medium subangular sand. Gravel subangular to over 3". Silt is a tan color.		Two runs. No liner on second run. PID = 126
10.0	12	CORE		Silty Sand with Gravel (SM). Dark gray, moist, loose. Medium sand is subangular. Gravel subangular to 2". Pockets of tan and rust colored silt.		PID = 65.8
12.5	16	CORE		Well-graded Sand with Silt and Gravel (SW-SM). gray, moist, loose, trace cobbles. Fine to medium sand.		PID = 144
15.0	16	CORE		Silty Gravel with Sand (GM). Tan, moist, stiff. Pockets of a dark brown silty sand.		PID = 151
17.5	24	CORE		Silty Gravel (GM). Tan, moist, stiff, trace cobbles. Gravel is well graded from fine to greater than 3 inches.		PID = 98.4
20.0	24	CORE		Same as above. Trace sand, trace coal, some rust. Stiff silt matrix with fine to cobble sized gravel, more rounded with size.		PID = 0.0
22.5	24	CORE		Same as above with more sand in upper portion. Trace coal and yellowish sandstone in lower portion. Sand is very coarse to fine gravel.		PID = 0.0
25.0	20	CORE		Same as above with more sand.		PID = 0.0
27.5	12	CORE		Silty Sand with Gravel (SM). Tan-gray, moist, medium dense. Coarse, angular sand. Gravel to 2 inches. Band of coal and yellowish sand at 23'.		PID = 0.0
30.0	20	CORE		Same as above.		PID = 438
				Same as above with trace silt at 27.5 feet.		
				Poorly-graded Sand with Gravel (SP). Tan, moist, loose. Small 1/2-inch layer of coal present at 29 feet.		

WELL COMPLETION INFORMATION

CASING	SURFACE CASING	SEAL
Top elevation (feet): 297.28	Dia. : N/A	Type : None
Vent hole? : Yes	Type : N/A	Quantity used : N/A
WELLHEAD PROTECTION COVER	SCREEN	GROUT
Type : Steel Overcasing	Type : Pre-pack	Mix used : Volclay
Weep hole? : No	Slot size : 0.010	Method of placement : Down auger
Concrete pad dimensions : 24" by 24"	SCREEN FILTER	Vol. in surface casing : N/A
WELL CASING	Type : Natural cave-in	Vol. in well casing : Filled to surface
Dia. : 2"	Quantity used : N/A	DEVELOPMENT
Type : PVC		Method : Surged for 15 minutes. Grundfos pump.
		Time : 2.3 hours
		Estimated purge volume : 53 gallons

Comments :

HFT WELL STICKUP OUE1.GPJ CH2M ANCG.DDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4339 (MW-7)	Sheet 2 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling

GROUND ELEVATION (FT) : 294.527 NORTHING (FT) : 2653217.721 EASTING (FT) : 1690040.615

DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig

WATER LEVELS : 115 feet ATD START : 8/15/02 12:35 END : 9/11/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION	WELL	COMMENTS
	INTERVAL (FT)	RECOVERY (IN)			
	#/TYPE	6"-6"-6"-6" (N)			
35	32.5	14	Well-graded Sand with Silt and Gravel (SW-SM). Dark brown, moist, loose. Band of coal in shoe. Trace cobbles on upper portion of sample. Some rusty stains near bottom. More silt than previous sample.		PID = 162
		16	Same as above with less sand with depth. Trace coal present, some orange, rusty grains.		Had to drill second half of run with big-mouth, no liner. Big rock, went to rod-drill. PID = 15
	35.0		Silty Gravel (GM). Tan, moist, loose. Cobbles more prevalent in upper portions.		PID = 0.0
		20	Well-graded Sand with Silt and Gravel (SW-SM). Dark tan, moist, loose. Fairly coarse sand. Gravels subround and smaller overall. Some rusty grains.		PID = 57.9
	37.5		Same as above with pockets of yellowish-orange sand. Less silt than above. Cobbles are back to greater than 3" in diameter, not as wet.		PID = 78.4
		16	Well-graded Sand with Gravel (SW). Gray-brown, moist, loose, with trace silt, coal, and cobbles throughout. Sands become coarser with depth.		PID = 6.0
	40.0		Same as above with less silt. Cobbles in upper portion, then medium sand with some subround gravels to 0.75".		PID = 0.0
		18	Same as above.		PID = 0.0
	42.5		Silty Gravel (GM). Tan, moist (silt is wet), loose. Gravels to 1.5" in diameter. Becomes sandier at depth.		PID = 0.0
		34	Well-graded Sand with Silt and Gravel (SW-SM). Tan (darker at bottom), moist, loose. Trace coal and cobbles throughout. Becoming more fine grained overall with depth.		PID = 0.0
	45.0		More cobbles and more smaller gravels.		PID = 0.0
		22	Well-graded Sand with Gravel (SW). Dark gray, moist, loose, with trace silt and cobbles. Gravel is primarily to 1" to 1.5". Sand is medium to coarse grained, subangular.		PID = 0.0
	47.5		Well-graded Sand with Silt and Gravel (SW-SM). Gray, moist, loose, trace cobbles and coal. Fine-grained sand.		PID = 0.0
		19	Same as above with less silt. Trace cobbles still present. Some reddish sand grains at bottom. Rock in shoe.		No pictures taken 60' to 75' due to wet weather. PID = 1.5
	50.0		Well-graded Sand with Gravel (SW). Gray, moist, loose. Some silty gravel above then a zone of cobbles at the bottom. Sand is fine grained.		PID = 8.1
		22	Same as above. Subrounded gravel to 1.5", but up to 3". Sand is fine to medium-grained, subangular.		PID = 38.4
	52.5		Same as above. Less evidence of cobbles in sample shoe.		Encountered rock, no liner. Sampled 02AVMA28SL at 13:45. PID = 310
		12	Silt (ML) with Gravel. Brown, moist. Hard, cemented.		No recovery. Rods are hanging up.
	55.0		No recovery.		
		0			
	57.5				
		18			
	60.0				
		24			
	62.5				
		22			
	65.0				
		12			
	67.5				
		0			
	70.0				

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4339 (MW-7)	Sheet 3 of 4
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SOIL BORING LOG

PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 294.527 NORTHING (FT) : 2653217.721 EASTING (FT) : 1690040.615
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 115 feet ATD START : 8/15/02 12:35 END : 9/11/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION	WELL	COMMENTS
	INTERVAL (FT)	RECOVERY (IN)			
	#/TYPE	5'-6"-5'-6" (N)			
75	20	core	Well-graded Sand with Gravel (SW). Gray, moist, loose. Trace, yellowish-orange silt. Gravels subround to 2" in diameter. Medium grained sand.		PID = 112
75.5	10	core	Same as above. Grain size overall larger. Trace silt. Rock in shoe, limited recovery.		PID = 122
76	18	core	Same as above. Band of finer sand and silt at 76.5 feet.		PID = 126
77	14	core	Same as above. Fine to medium sand. Slightly more silt. Cobbles also present.		PID = 43.7
80	18	core	Same as above.		Broke keystock. PID = 400
81	20	core	Same as above with slightly fewer cobbles.		PID = 0.0
85	26	core	Same as above.		PID = 41.9
87	18	core	Poorly-graded Sand (SP). Brown, moist, loose, trace silt. Fine to medium sand.		PID = 225
88	18	core	Well-graded Sand with Gravel (SW). Brown, moist, loose, with trace cobbles and silt. Drier at the bottom of sample.		No PID readings from 90' to 102.5'
90	18	core	Same as above with larger sand grains. Cobbles still present.		
92	15	core	Same as above with more silt in upper portion and rusty sand grains. Cobbles still present.		
95	16	core	Same as above with more gravel and silt.		
97	18	core	Same as above. Slightly drier, more cobbles.		
100	14	core	Same as above.		Attempted to push split spoon greater than 50 blows for 6". No recovery.
102	12	core	Silt with Gravel (ML). Gray, olive-brown, moist, stiff. Cemented and hard to drill. Gravels up to cobbles.		PID = 0.5
105	16	core	Well-graded Sand with Gravel (SW). Tan-gray, moist, loose, trace silt. Sand is coarse, some fine gravels - more at the top.		PID = 0.8
107	20	core	Poorly-graded Sand with Silt. Tan-gray, moist, stiff. Fine sand. Wet at bottom.		Driller says we had approximately 1 foot of easy drilling. PID = 0.3
110			Well-graded Sand with Gravel (SW). Tan-gray, moist, loose.		

HFT WELL STICKUP OUE1.GPJ CH2M ANC.GDT 2/24/03



PROJECT NUMBER 171256.A0.03	BORING NUMBER AP-4339 (MW-7)	Sheet 4 of 4
SOIL BORING LOG		

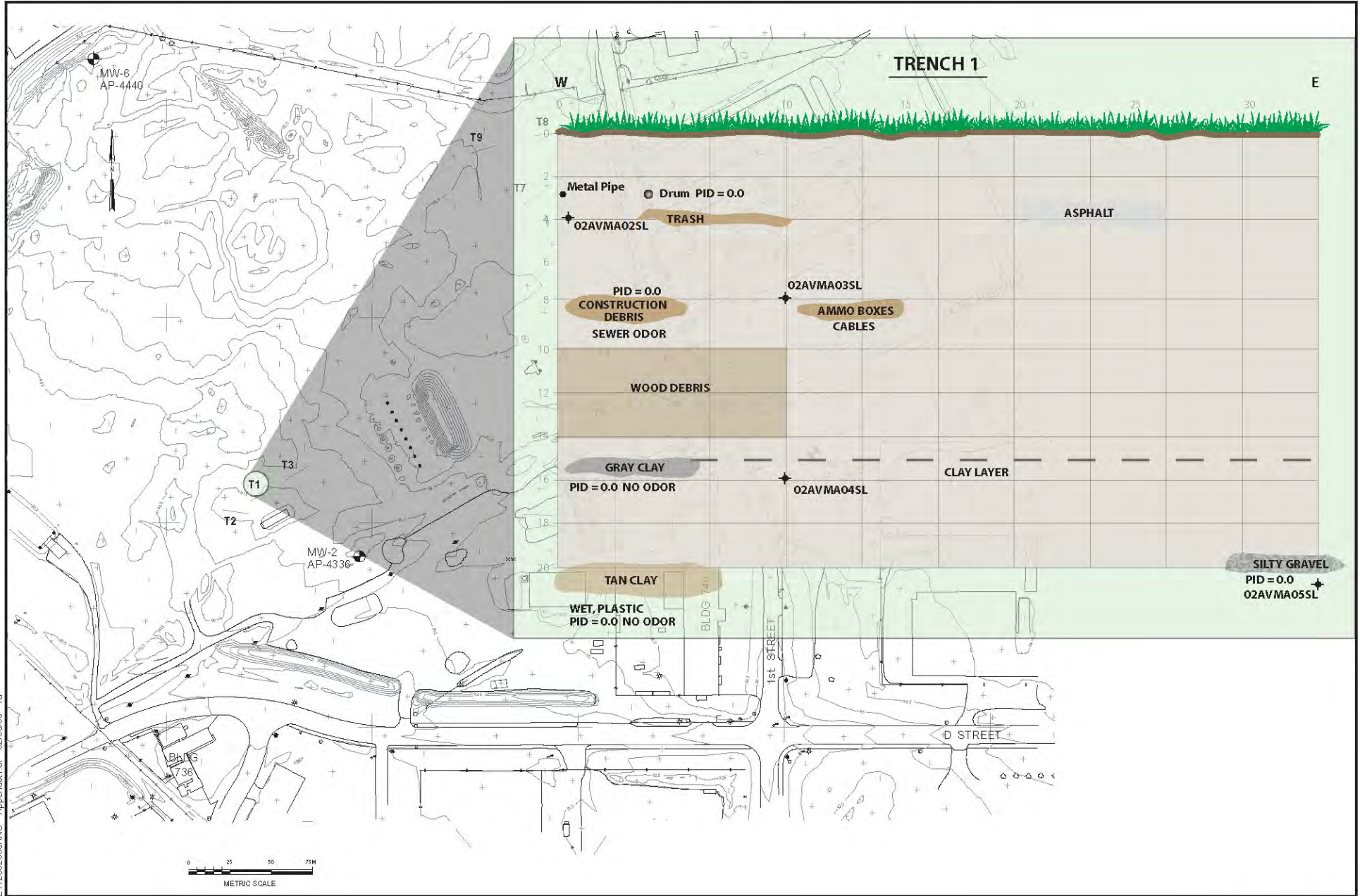
PROJECT : Fort Richardson OUE Remedial Investigation LOCATION : Fort Richardson AVMA DRILLING CONTRACTOR : Discovery Drilling
 GROUND ELEVATION (FT) : 294.527 NORTHING (FT) : 2853217.721 EASTING (FT) : 1690040.615
 DRILLING METHOD AND EQUIPMENT USED : CME 75 Hollow Stem Auger Rig
 WATER LEVELS : 115 feet ATD START : 8/15/02 12:35 END : 9/11/02 00:00 LOGGER : Andy Larson

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	WELL	COMMENTS
	RECOVERY (IN)	#/TYPE				
112.5	18	CORE	17-26-40-34 (66)	Well-graded Sand with Gravel (SW). Tan-gray, moist, loose. Same as above with gravels subround, larger, and more present than above. Trace coal and silt (around larger particles). Gravels to 2 inches in diameter. Same as above becoming wetter with depth.		Rods are tough going in again. PID = 3.4
115.0	20	02AVMA32SL CORE		Wet. Tannish color.		Driller reports water. Rock in shoe. Sample 02AVMA32SL at 15:04 on 9/10/02. PID = 2.8
117.0	24	02AVMA03GT SS		Same as above. Color is gray sands and gravel with tan silts.		Sample 02AVMA03GT at 15:20. Split spoon with brass liners used.
134.0	15	CORE		Same as above. Silt is now gray in color.		Driller reports sand layers on long drill. Bottom of boring
				Bottom of boring at 134 feet.		Two IDW drums of cuttings produced.

HFT WELL STICKUP OUE1.GPJ CH2M_ANC.GDT 2/24/03

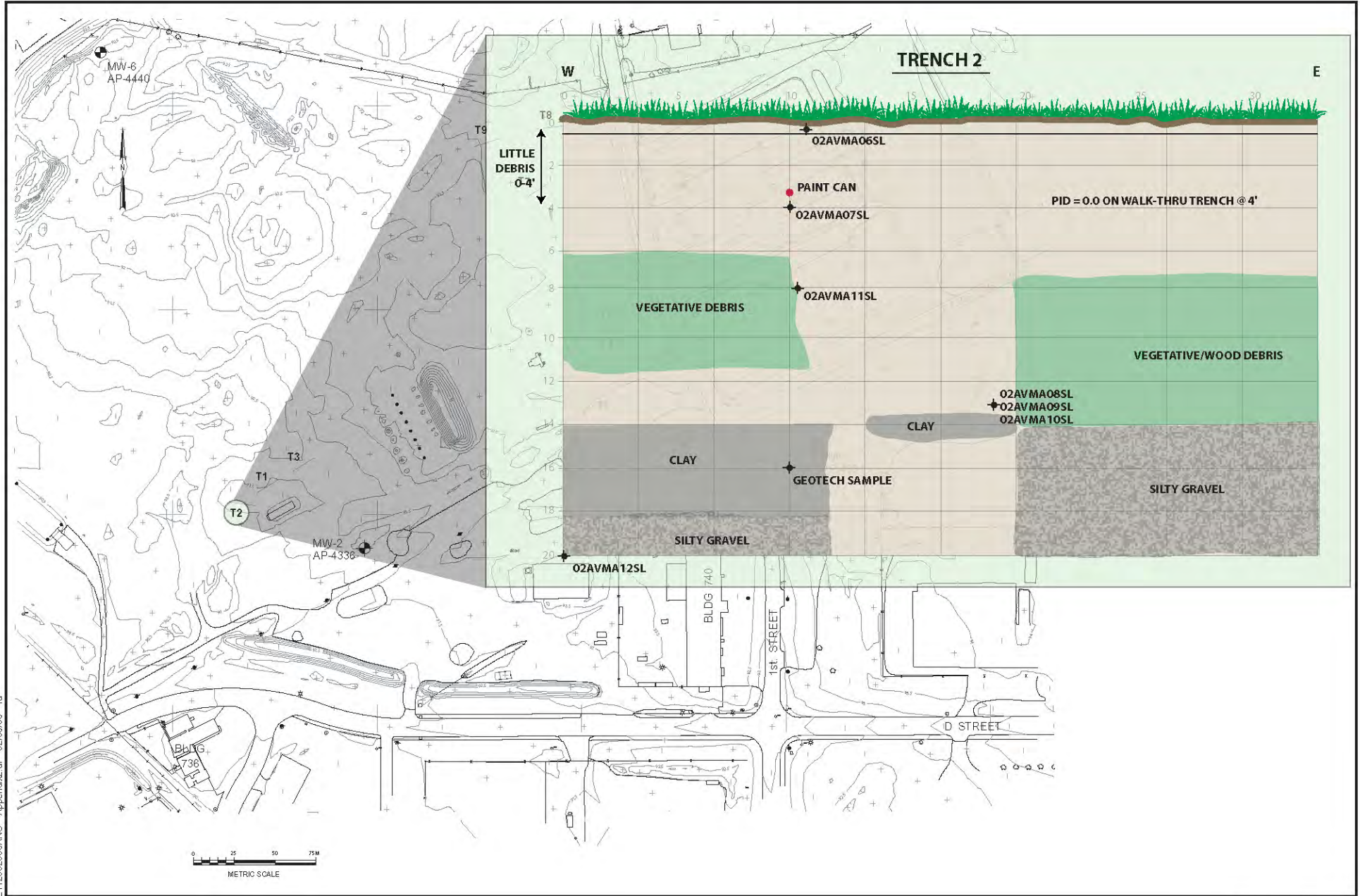
Appendix B

Trench Logs



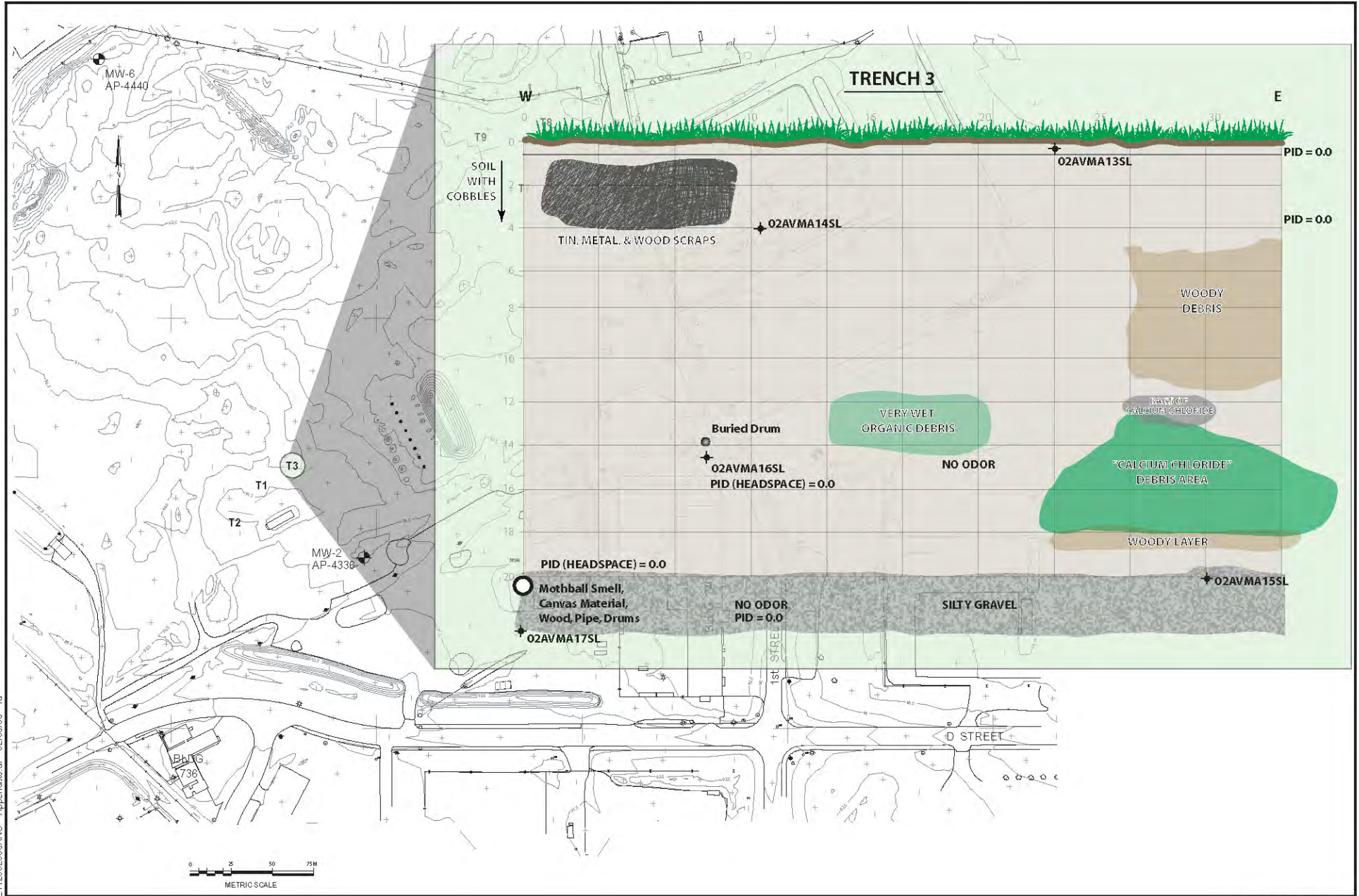
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Appendix B-1
 Trench #1
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska



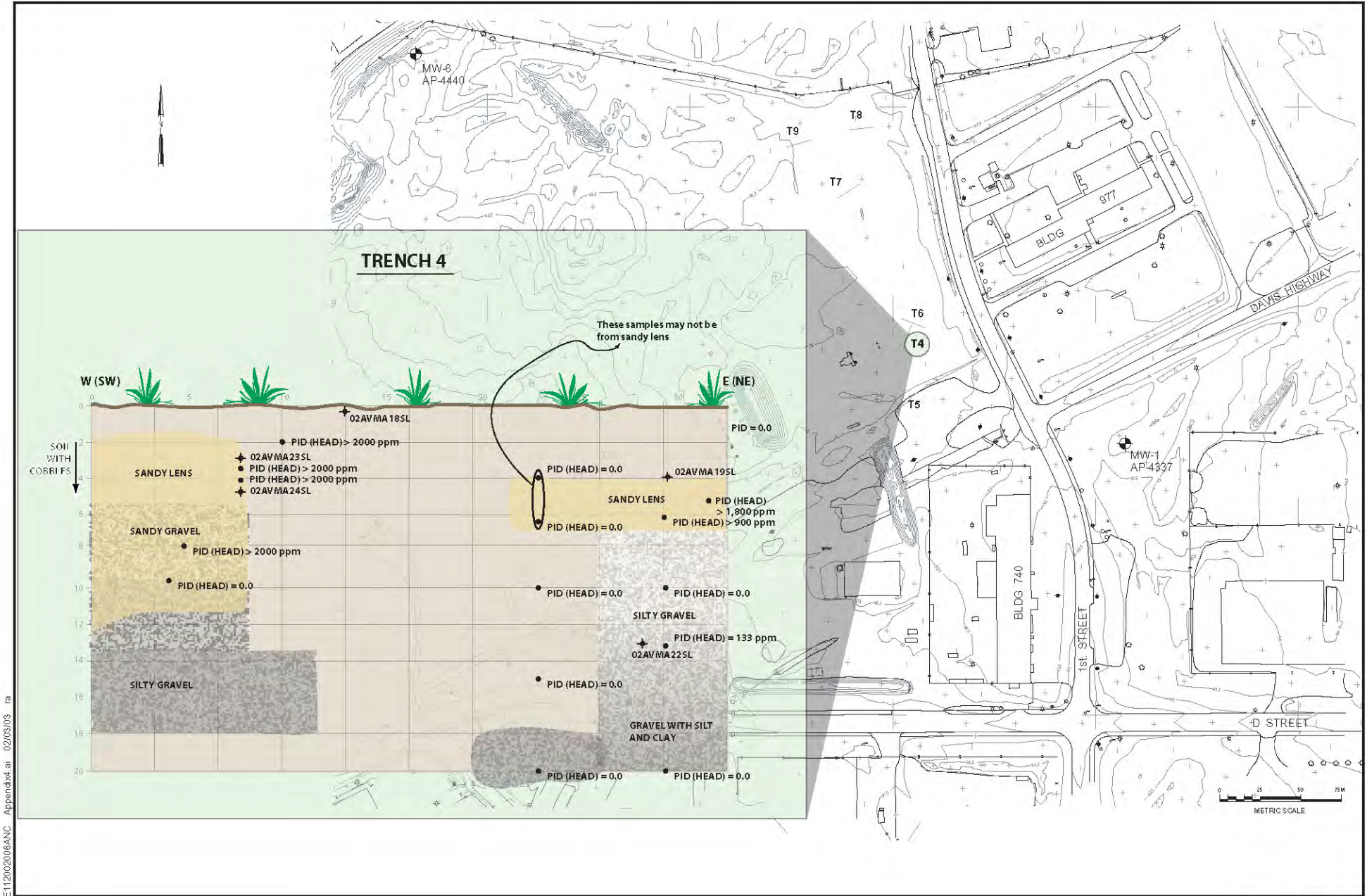
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Appendix B-2
 Trench #2
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska



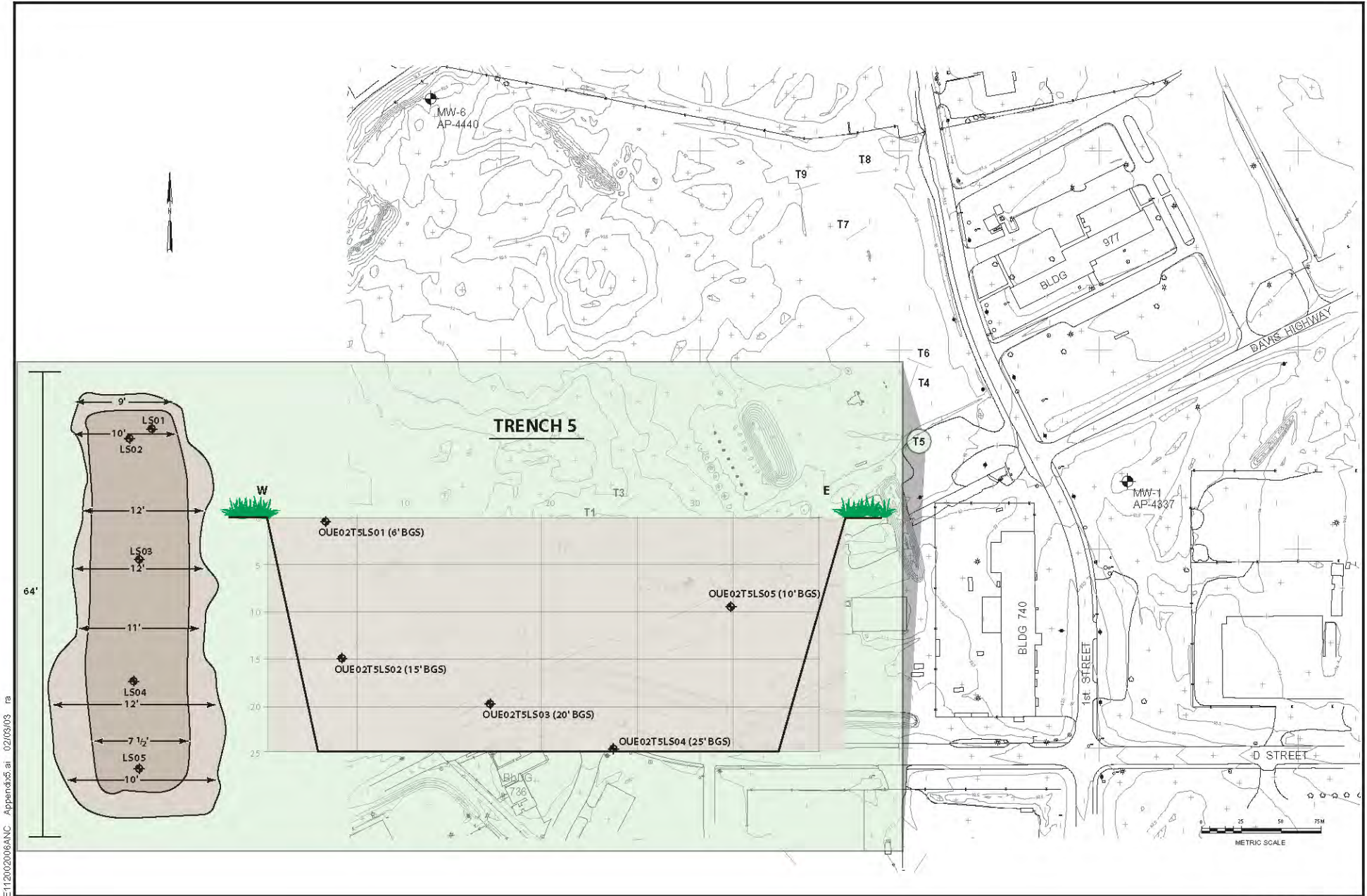
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Appendix B-3
Trench #3
Operable Unit E
Preliminary Site Characterization Report
Ft. Richardson, Alaska



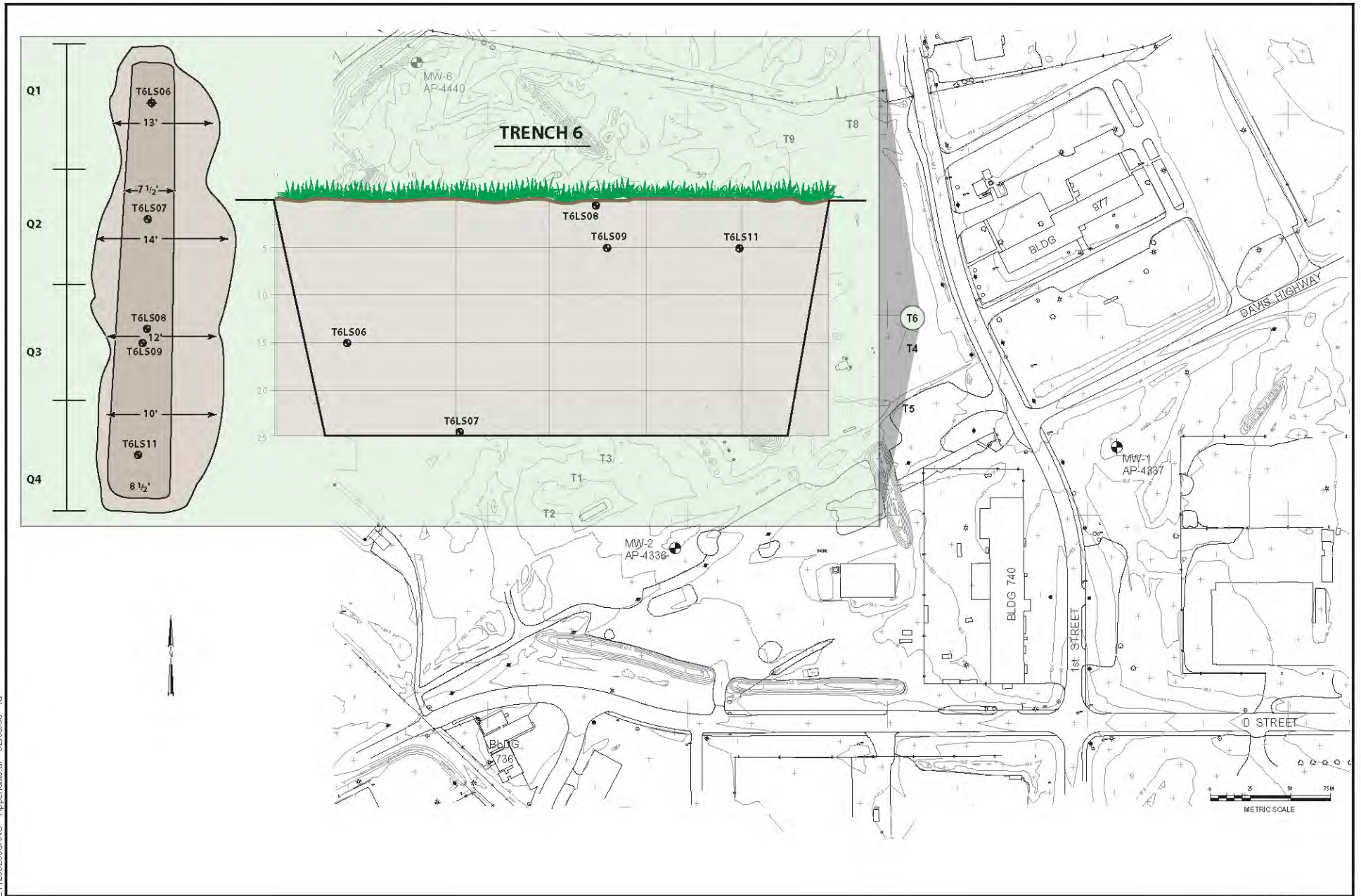
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Appendix B-4
 Trench #4
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska

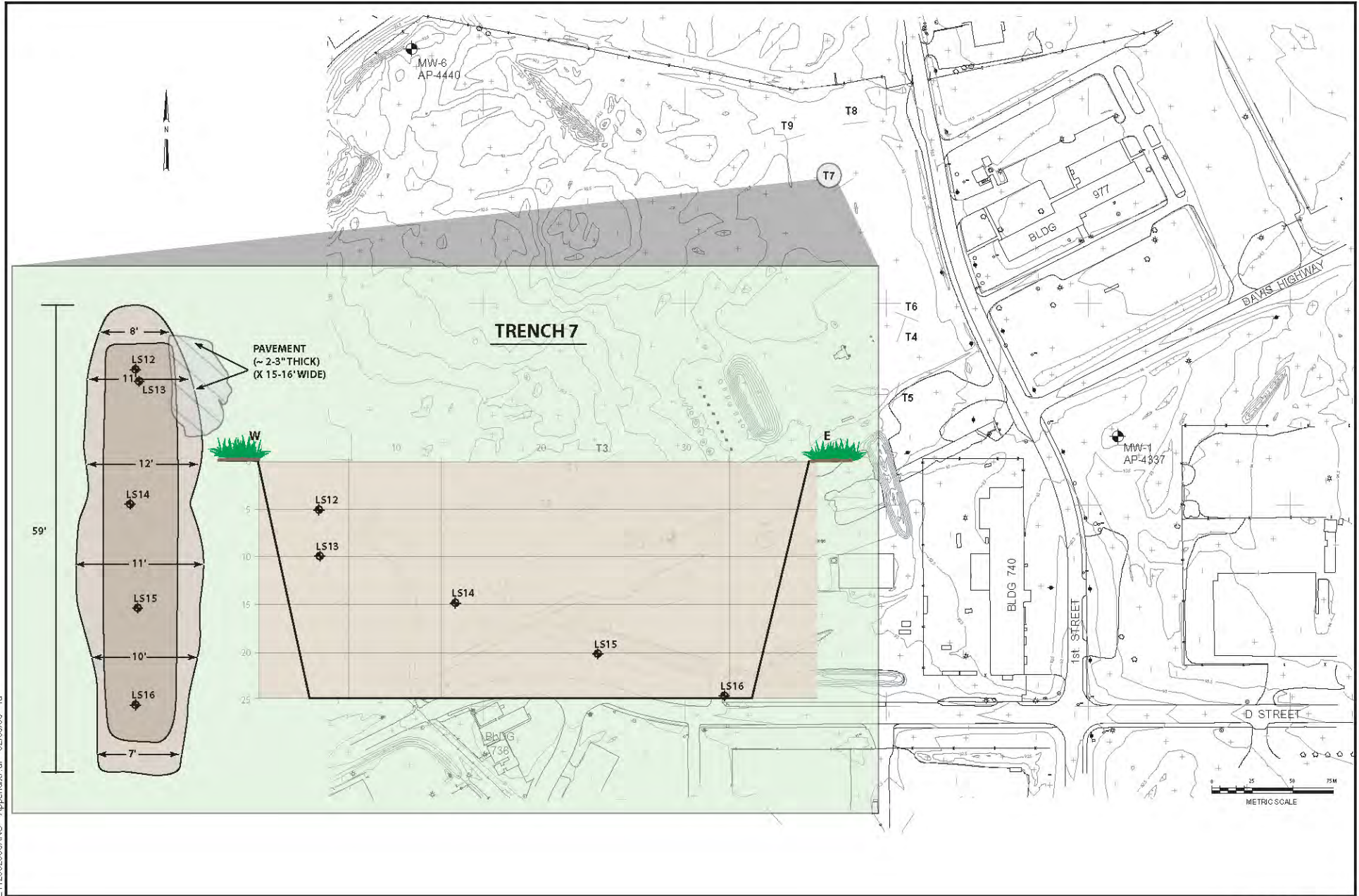


E:\12002006\ANC_Appendix5.ai 02/09/03 rb

Appendix B-5
 Trench #5
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska



Appendix B-6
Trench #6
Operable Unit E
Preliminary Site Characterization Report
Ft. Richardson, Alaska



EH12002006ANC_Appendix B-7.ai 02/09/03 rb

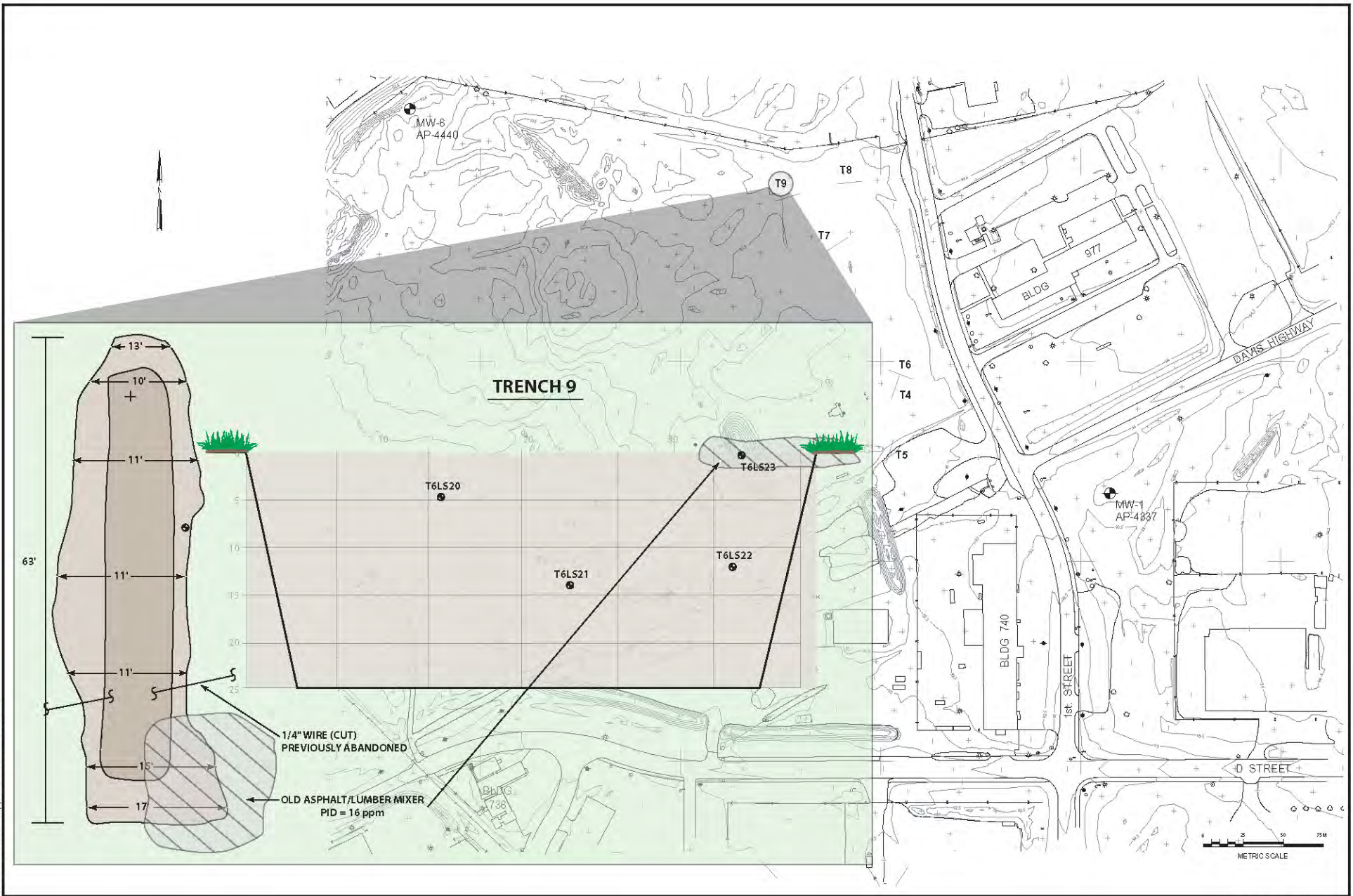
Appendix B-7
 Trench #7
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska

EH12002006ANC_AppendixB.ai 02/09/03 rb



Appendix B-8
Trench #8
Operable Unit E
Preliminary Site Characterization Report
Ft. Richardson, Alaska

EH12002006ANC_AppendixB.ai 02/09/03 ra



Appendix B-9
 Trench #9
 Operable Unit E
 Preliminary Site Characterization Report
 Ft. Richardson, Alaska

Appendix C

Data Summary Tables of Hits

Tables C-1 to C-18

Legend

PRG-ING preliminary remediation goals-industrial
PG/G picograms per gram
mg/kg miligrams per kilogram
ug/kg micrograms per kilogram
mg/L miligrams per liter
ug/L micrograms per liter
QA/QC Quality Assurance/Quality Control
TRID Triangle Laboratories, Inc.
ATCA Analytica Alaska, Inc.
ATCC Analytica Colorado, Inc.

Data Qualifiers

B
BJ
JB
J
RE
FD
GQ

TABLE C-1

DRAFT

Data Summary of Hits for the Transformer Oil Discharge (Swale) Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DIOXIN/FURANS (SW8290)											
T10	0 - 0.5	02B75229SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	80	3,300	1.1	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	19	390	2.0	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	2.0	390	1.7	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.6	159	0.75	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.9	330	1.5	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.91	39	1.0	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.6	39	1.4	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.1	33	2.9	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.66	39	0.51	1.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	322	--	1.1	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	78	--	1.7	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	30	39	0.94	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	77	--	0.39	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	OCTACHLORODIBENZO-p-DIOXIN	423	159,223	2.6	10	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	OCTACHLORODIBENZOFURAN	65	159,223	4.3	10	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	146	--	0.95	5.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.72	--	0.70	1.0	PG/G	08/01/02	TRID	FD
T10	0 - 0.5	02B75229SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	128	--	0.51	1.0	PG/G	08/01/02	TRID	FD
T11	0.5 - 1	02B752233	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	2.9	3,300	1.1	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.5	390	2.0	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.4	390	1.7	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.4	159	0.75	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.40	39	1.0	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.34	33	2.9	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.63	32	1.0	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	2,3,7,8-TETRACHLORODIBENZOFURAN	0.76	39	0.51	1.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	5.8	--	1.1	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	8.5	--	1.7	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.39	39	0.94	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	14	--	0.39	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	OCTACHLORODIBENZO-p-DIOXIN	17	159,223	2.6	10	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	OCTACHLORODIBENZOFURAN	8.5	159,223	4.3	10	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	45	--	0.95	5.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.60	--	0.70	1.0	PG/G	10/15/02	TRID	
T11	0.5 - 1	02B752233	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	21	--	0.51	1.0	PG/G	10/15/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	67	3,300	1.1	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27	390	2.0	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	4.9	390	1.7	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0.63	6.6	0.92	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12	159	0.74	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.8	330	1.5	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.6	39	0.98	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.6	39	1.4	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	1.8	33	2.9	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2.0	32	0.98	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	2,3,7,8-TETRACHLORODIBENZOFURAN	2.3	39	0.50	1.0	PG/G	08/01/02	TRID	

TABLE C-1
 Data Summary of Hits for the Transformer Oil Discharge (Swale) Area
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
T6	0 - 0.5	02B75216SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	147	--	1.1	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	73	--	1.7	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	14	39	0.92	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	80	--	0.38	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	OCTACHLORODIBENZO-p-DIOXIN	467	159,223	2.6	9.8	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	OCTACHLORODIBENZOFURAN	70	159,223	4.2	9.8	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.74	--	0.48	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	87	--	0.93	4.9	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.76	--	0.69	1.0	PG/G	08/01/02	TRID	
T6	0 - 0.5	02B75216SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	88	--	0.50	1.0	PG/G	08/01/02	TRID	
PCB (SW8082)											
T1	0 - 0.5	02B75201SL	PCB-1260 (AROCHLOR 1260)	353 J	744	19	81	µg/Kg	08/01/02	ATCC	
T10	0 - 0.5	02B75228SL	PCB-1260 (AROCHLOR 1260)	110 J	744	3.7	15	µg/Kg	08/01/02	ATCC	
T10	0 - 0.5	02B75229SL	PCB-1260 (AROCHLOR 1260)	152 J	744	3.7	16	µg/Kg	08/01/02	ATCC	
T11	0 - 0.5	02B75232SL	PCB-1260 (AROCHLOR 1260)	3,940	744	678	2,830	µg/Kg	08/01/02	ATCA	RE
T11	0 - 0.5	02B75232SL	PCB-1260 (AROCHLOR 1260)	14,000	744	677	2,820	µg/Kg	08/01/02	ATCA	
T11	0.5 - 1	02B752233	PCB-1260 (AROCHLOR 1260)	1,000	744	80	330	µg/Kg	10/15/02	ATCA	
T2	0 - 0.5	02B75204SL	PCB-1260 (AROCHLOR 1260)	6,670	744	357	1,490	µg/Kg	08/01/02	ATCA	
T2	0 - 0.5	02B75204SL	PCB-1260 (AROCHLOR 1260)	14,400	744	725	3,020	µg/Kg	08/01/02	ATCA	RE
T2	0.5 - 1	02B752205SL	PCB-1260 (AROCHLOR 1260)	3,100	744	170	690	µg/Kg	10/15/02	ATCA	
T3	0 - 0.5	02B75207SL	PCB-1260 (AROCHLOR 1260)	572	744	33	136	µg/Kg	08/01/02	ATCA	RE
T3	0 - 0.5	02B75207SL	PCB-1260 (AROCHLOR 1260)	756	744	33	136	µg/Kg	08/01/02	ATCA	
T4	0 - 0.5	02B75210SL	PCB-1260 (AROCHLOR 1260)	986 J	744	39	161	µg/Kg	08/01/02	ATCC	
T5	0 - 0.5	02B75213SL	PCB-1260 (AROCHLOR 1260)	595	744	33	138	µg/Kg	08/01/02	ATCA	RE
T5	0 - 0.5	02B75213SL	PCB-1260 (AROCHLOR 1260)	889	744	33	138	µg/Kg	08/01/02	ATCA	
T5	0.5 - 1	02B752214SL	PCB-1260 (AROCHLOR 1260)	680 J	744	30	120	µg/Kg	10/15/02	ATCA	
T6	0 - 0.5	02B75216SL	PCB-1260 (AROCHLOR 1260)	757	744	32	134	µg/Kg	08/01/02	ATCA	RE
T6	0 - 0.5	02B75216SL	PCB-1260 (AROCHLOR 1260)	907	744	32	134	µg/Kg	08/01/02	ATCA	
T6	0.5 - 1	02B752218SL	PCB-1260 (AROCHLOR 1260)	38,000 J	744	1,300	5,600	µg/Kg	10/15/02	ATCA	
T7	0 - 0.5	02B75219SL	PCB-1260 (AROCHLOR 1260)	360 J	744	16	66	µg/Kg	08/01/02	ATCC	
T8	0 - 0.5	02B75222SL	PCB-1260 (AROCHLOR 1260)	242	744	16	65	µg/Kg	08/01/02	ATCA	RE
T8	0 - 0.5	02B75222SL	PCB-1260 (AROCHLOR 1260)	290	744	16	65	µg/Kg	08/01/02	ATCA	

TABLE C-2

DRAFT

Data Summary of Hits for the Transformer Oil Discharge (Mounting) Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DIOXIN/FURANS (SW8290)											
T13	0 - 0.5	02B75238SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	518	3,300	1.1	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	166	390	2.0	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	15	390	1.7	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	2.6	6.6	0.94	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.7	159	0.75	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	12	330	1.5	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.2	39	1.0	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.2	39	1.4	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0.64	16	0.49	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	1,2,3,7,8-PENTACHLORODIBENZOFURAN	83	318	0.95	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.5	33	2.9	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.4	32	1.0	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	2,3,7,8-TETRACHLORODIBENZOFURAN	1.2	39	0.51	1.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	820	--	1.1	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	867	--	1.7	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	53	39	0.94	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	374	--	0.39	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	OCTACHLORODIBENZO-p-DIOXIN	4,490	159,223	2.6	10	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	OCTACHLORODIBENZOFURAN	787	159,223	4.3	10	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.64	--	0.49	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	190	--	0.95	5.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.43	--	0.70	1.0	PG/G	08/01/02	TRID	
T13	0 - 0.5	02B75238SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	65	--	0.51	1.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	296	3,300	1.1	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	125	390	2.0	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	20	390	1.7	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	2.3	6.6	0.93	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	37	159	0.74	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.3	330	1.5	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.4	39	0.99	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.7	39	1.4	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.7	33	2.9	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	3.9	32	0.99	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0.26	3.9	0.69	1.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	2,3,7,8-TETRACHLORODIBENZOFURAN	5.2	39	0.51	1.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	528	--	1.1	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	461	--	1.7	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	25	39	0.93	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	378	--	0.39	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	OCTACHLORODIBENZO-p-DIOXIN	2,730	159,223	2.6	9.9	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	OCTACHLORODIBENZOFURAN	465	159,223	4.3	9.9	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	3.7	--	0.49	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	210	--	0.94	5.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	5.5	--	0.69	1.0	PG/G	08/01/02	TRID	
T15	0 - 0.5	02B75244SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	90	--	0.51	1.0	PG/G	08/01/02	TRID	

TABLE C-2

DRAFT

Data Summary of Hits for the Transformer Oil Discharge (Mounting) Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
PCB (SW8082)											
T13	0 - 0.5	02B75238SL	PCB-1260 (AROCHLOR 1260)	144 J	744	3.4	14	µg/Kg	08/01/02	ATCC	
T15	0 - 0.5	02B75244SL	PCB-1260 (AROCHLOR 1260)	3,480	744	168	700	µg/Kg	08/01/02	ATCA	
T15	0 - 0.5	02B75244SL	PCB-1260 (AROCHLOR 1260)	3,940	744	168	700	µg/Kg	08/01/02	ATCA	RE
T15	0.5 - 1	02B752246SL	PCB-1260 (AROCHLOR 1260)	1,200	744	66	280	µg/Kg	10/15/02	ATCA	
T16	0 - 0.5	02B75247SL	PCB-1260 (AROCHLOR 1260)	99,900 J	744	3,470	14,400	µg/Kg	08/01/02	ATCC	
T17	0 - 0.5	02B75250SL	PCB-1260 (AROCHLOR 1260)	157	744	3.3	14	µg/Kg	08/01/02	ATCA	
T17	0 - 0.5	02B75250SL	PCB-1260 (AROCHLOR 1260)	184	744	6.5	27	µg/Kg	08/01/02	ATCA	RE
T19	0 - 0.5	02B75256SL	PCB-1260 (AROCHLOR 1260)	49 J	744	3.2	13	µg/Kg	08/01/02	ATCC	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DIOXIN/FURANS (SW8290)											
AP-4328	0 - 0.5	02B75288SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	1.1	3,300	1.1	4.9	PG/G	07/26/02	TRID	
AP-4328	0 - 0.5	02B75288SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.0	--	1.1	4.9	PG/G	07/26/02	TRID	
AP-4328	0 - 0.5	02B75288SL	OCTACHLORODIBENZO-p-DIOXIN	9.6	159,223	2.6	9.8	PG/G	07/26/02	TRID	
AP-4328	0 - 0.5	02B75288SL	OCTACHLORODIBENZOFURAN	0.59	159,223	4.2	9.8	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	3.9	3,300	1.1	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.0	390	2.0	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.5	390	1.7	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.3	159	0.74	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.63	39	0.99	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.39	33	2.9	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.44	32	0.99	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.35	39	0.51	1.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	7.4	--	1.1	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	15	--	1.7	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.3	39	0.93	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	11	--	0.39	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	OCTACHLORODIBENZO-p-DIOXIN	25	159,223	2.6	9.9	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	OCTACHLORODIBENZOFURAN	17	159,223	4.3	9.9	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	4.4	--	0.94	5.0	PG/G	07/26/02	TRID	
AP-4328	5 - 5.5	02B75290SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.6	--	0.51	1.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	2.7	3,300	1.1	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.89	390	2.0	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	4.4	--	1.1	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	1.8	--	1.7	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	1.3	--	0.39	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	OCTACHLORODIBENZO-p-DIOXIN	16	159,223	2.6	9.9	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	OCTACHLORODIBENZOFURAN	1.2	159,223	4.3	9.9	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.94	--	0.94	5.0	PG/G	07/26/02	TRID	
AP-4329	2 - 2.5	02B75294SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.5	--	0.51	1.0	PG/G	07/26/02	TRID	
AP-4329	7 - 7.5	02B75296SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	1.6	3,300	1.1	5.0	PG/G	07/26/02	TRID	
AP-4329	7 - 7.5	02B75296SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.9	--	1.1	5.0	PG/G	07/26/02	TRID	
AP-4329	7 - 7.5	02B75296SL	OCTACHLORODIBENZO-p-DIOXIN	17	159,223	2.6	10	PG/G	07/26/02	TRID	
AP-4330	10 - 10.5	02B752102SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.53	3,300	1.1	5.0	PG/G	07/29/02	TRID	
AP-4330	10 - 10.5	02B752102SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.20	159	0.74	5.0	PG/G	07/29/02	TRID	
AP-4330	10 - 10.5	02B752102SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.73	--	1.1	5.0	PG/G	07/29/02	TRID	
AP-4330	10 - 10.5	02B752102SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.20	--	0.39	5.0	PG/G	07/29/02	TRID	
AP-4330	10 - 10.5	02B752102SL	OCTACHLORODIBENZO-p-DIOXIN	2.6	159,223	2.6	9.9	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	5.1	3,300	1.1	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.7	390	2.0	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	5.0	390	1.7	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	9.1	159	0.75	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.1	39	1.0	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.24	39	1.4	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.67	33	2.9	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.50	32	1.0	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.37	39	0.51	1.0	PG/G	07/29/02	TRID	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4331	2 - 2.5	02B752104SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	11	--	1.1	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	21	--	1.7	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.4	39	0.94	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	17	--	0.39	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	OCTACHLORODIBENZO-p-DIOXIN	23	159,223	2.6	10	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	OCTACHLORODIBENZOFURAN	22	159,223	4.3	10	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.49	--	0.49	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	9.0	--	0.95	5.0	PG/G	07/29/02	TRID	
AP-4331	2 - 2.5	02B752104SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.2	--	0.51	1.0	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.77	3,300	1.1	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.52	390	2.0	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.53	159	0.73	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.4	--	1.1	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	--	1.7	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.24	39	0.92	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.80	--	0.38	4.9	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	OCTACHLORODIBENZO-p-DIOXIN	8.8	159,223	2.5	9.8	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	OCTACHLORODIBENZOFURAN	1.3	159,223	4.2	9.8	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752105SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.30	--	0.50	1.0	PG/G	07/29/02	TRID	
AP-4331	5 - 5.5	02B752106SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.59	3,300	1.1	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.27	390	2.0	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.31	159	0.73	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.2	--	1.1	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	0.27	--	1.7	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.45	--	0.38	4.9	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	OCTACHLORODIBENZO-p-DIOXIN	11	159,223	2.5	9.7	PG/G	07/29/02	TRID	FD
AP-4331	5 - 5.5	02B752106SL	OCTACHLORODIBENZOFURAN	0.50	159,223	4.2	9.7	PG/G	07/29/02	TRID	FD
AP-4332	10 - 10.5	02B752113SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.60	3,300	1.1	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.14	390	2.0	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.17	159	0.75	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.13	39	1.0	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.14	33	2.9	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.84	--	1.1	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	0.14	--	1.7	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.43	--	0.39	5.0	PG/G	07/29/02	TRID	
AP-4332	10 - 10.5	02B752113SL	OCTACHLORODIBENZO-p-DIOXIN	4.1	159,223	2.6	10	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	1.1	3,300	1.1	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.2	390	2.0	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.82	390	1.7	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.3	159	0.74	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.26	39	0.99	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.7	--	1.1	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	3.7	--	1.7	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	2.2	--	0.38	4.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	OCTACHLORODIBENZO-p-DIOXIN	11	159,223	2.6	9.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	OCTACHLORODIBENZOFURAN	4.8	159,223	4.2	9.9	PG/G	07/29/02	TRID	
AP-4333	0 - 0.5	02B752114SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.28	--	0.94	4.9	PG/G	07/29/02	TRID	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4333	5 - 5.5	02B752116SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.95	3,300	1.1	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.6	390	2.0	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	8.8	159	0.74	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.2	39	0.98	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.9	318	0.93	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.0	33	2.8	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	6.9	32	0.98	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	2,3,7,8-TETRACHLORODIBENZOFURAN	4.0	39	0.50	1.0	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.4	--	1.1	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	8.1	--	1.7	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.17	39	0.92	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	28	--	0.38	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	OCTACHLORODIBENZO-p-DIOXIN	6.2	159,223	2.6	9.8	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	OCTACHLORODIBENZOFURAN	0.60	159,223	4.2	9.8	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	29	--	0.93	4.9	PG/G	07/29/02	TRID	
AP-4333	5 - 5.5	02B752116SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	17	--	0.50	1.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	6.5	3,300	1.1	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	1.1	390	2.0	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.70	390	1.7	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0.56	6.6	0.94	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.73	159	0.75	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.88	330	1.5	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.58	39	1.0	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.72	39	1.4	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.62	39	0.39	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0.63	16	0.49	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.42	318	0.95	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.45	33	2.9	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.41	32	1.0	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	11	--	1.1	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	2.7	--	1.7	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	3.6	39	0.94	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	3.8	--	0.39	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	OCTACHLORODIBENZO-p-DIOXIN	52	159,223	2.6	10	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	OCTACHLORODIBENZOFURAN	1.1	159,223	4.3	10	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.89	--	0.49	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.5	--	0.95	5.0	PG/G	07/29/02	TRID	
AP-4334	2 - 2.5	02B752120SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.5	--	0.51	1.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	2.6	3,300	1.1	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.10	159	0.75	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.12	330	1.5	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	4.6	--	1.1	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.2	39	0.94	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.60	--	0.39	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	OCTACHLORODIBENZO-p-DIOXIN	35	159,223	2.6	10	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.11	--	0.95	5.0	PG/G	07/29/02	TRID	
AP-4334	10 - 10.5	02B752123SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.060	--	0.70	1.0	PG/G	07/29/02	TRID	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4334	10 - 10.5	02B752123SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.14	--	0.51	1.0	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.65	3,300	1.1	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.54	390	2.0	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.55	159	0.74	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.4	--	1.1	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	1.3	--	1.7	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.99	39	0.92	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.69	--	0.38	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	OCTACHLORODIBENZO-p-DIOXIN	5.6	159,223	2.6	9.8	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	OCTACHLORODIBENZOFURAN	2.0	159,223	4.2	9.8	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.11	--	0.93	4.9	PG/G	07/29/02	TRID	
AP-4335	0 - 0.5	02B752124SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.080	--	0.50	1.0	PG/G	07/29/02	TRID	
DRO (AK102)											
AP-4328	0 - 0.5	02B75288SL	DIESEL RANGE ORGANICS	3.2 J	--	0.64	4.1	mg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	DIESEL RANGE ORGANICS	12	--	0.65	4.2	mg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	DIESEL RANGE ORGANICS	11	--	0.73	4.7	mg/Kg	07/26/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	DIESEL RANGE ORGANICS	4.3 J	--	0.63	4.1	mg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	DIESEL RANGE ORGANICS	81 J	--	0.68	4.4	mg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752106SL	DIESEL RANGE ORGANICS	3.3 J	--	0.62	4.0	mg/Kg	07/29/02	ATCA	FD
AP-4333	0 - 0.5	02B752114SL	DIESEL RANGE ORGANICS	3.1 J	--	0.62	4.0	mg/Kg	07/29/02	ATCA	
AP-4333	5 - 5.5	02B752116SL	DIESEL RANGE ORGANICS	2.8 J	--	0.62	4.0	mg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	DIESEL RANGE ORGANICS	6.3 J	--	0.72	4.7	mg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	DIESEL RANGE ORGANICS	2.2 J	--	0.63	4.1	mg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	DIESEL RANGE ORGANICS	5.2 J	--	0.64	4.1	mg/Kg	07/29/02	ATCA	
GRO (AK101)											
AP-4329	7 - 7.5	02B75296SL	GASOLINE RANGE ORGANICS	0.53 J	--	0.20	1.4	mg/Kg	07/26/02	ATCA	
AP-4330	10 - 10.5	02B752102SL	GASOLINE RANGE ORGANICS	0.58 J	--	0.29	2.1	mg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	GASOLINE RANGE ORGANICS	0.41 J	--	0.18	1.3	mg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752127SL	GASOLINE RANGE ORGANICS	0.71 J	--	0.20	1.4	mg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752128SL	GASOLINE RANGE ORGANICS	0.66 J	--	0.22	1.6	mg/Kg	07/29/02	ATCA	FD
PCB (SW8082)											
AP-4328	0 - 0.5	02B75288SL	PCB-1260 (AROCHLOR 1260)	13 J	744	3.1	13	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	PCB-1260 (AROCHLOR 1260)	690 J	744	160	650	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	PCB-1260 (AROCHLOR 1260)	23 J	744	3.6	15	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	PCB-1260 (AROCHLOR 1260)	45 J	744	3.1	13	µg/Kg	07/26/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	PCB-1260 (AROCHLOR 1260)	16 J	744	3.1	13	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752105SL	PCB-1260 (AROCHLOR 1260)	39 J	744	3.3	14	µg/Kg	07/29/02	ATCA	
AP-4333	0 - 0.5	02B752114SL	PCB-1260 (AROCHLOR 1260)	62 J	744	3.1	13	µg/Kg	07/29/02	ATCA	
AP-4333	5 - 5.5	02B752116SL	PCB-1260 (AROCHLOR 1260)	37 J	744	3.1	13	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	PCB-1260 (AROCHLOR 1260)	81	744	3.1	13	µg/Kg	07/29/02	ATCA	
SVOC (SW8270C)											
AP-4328	0 - 0.5	02B75288SL	BENZYL BUTYL PHTHALATE	39 J	1.00E+08	30	170	µg/Kg	07/26/02	ATCA	
AP-4328	0 - 0.5	02B75288SL	bis(2-ETHYLHEXYL) PHTHALATE	46 J	123,121	34	170	µg/Kg	07/26/02	ATCA	
AP-4328	0 - 0.5	02B75288SL	DI-n-BUTYL PHTHALATE	800 B	6.16E+07	44	170	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	bis(2-ETHYLHEXYL) PHTHALATE	1,100	123,121	35	170	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	DI-n-BUTYL PHTHALATE	660 B	6.16E+07	44	170	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	DI-n-OCTYLPHTHALATE	54 J	2.46E+07	33	170	µg/Kg	07/26/02	ATCA	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4329	2 - 2.5	02B75294SL	bis(2-ETHYLHEXYL) PHTHALATE	43 J	123,121	39	200	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	DI-n-BUTYL PHTHALATE	99 BJ	6.16E+07	50	200	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	DI-n-BUTYL PHTHALATE	63 BJ	6.16E+07	44	170	µg/Kg	07/26/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	bis(2-ETHYLHEXYL) PHTHALATE	75 J	123,121	34	170	µg/Kg	07/29/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	DI-n-BUTYL PHTHALATE	250 B	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4330	10 - 10.5	02B752102SL	DI-n-BUTYL PHTHALATE	86 BJ	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	1,2,4-TRICHLOROBENZENE	240	3.00E+06	66	200	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	DI-n-BUTYL PHTHALATE	82 BJ	6.16E+07	47	180	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	PYRENE	40 J	2.91E+07	37	180	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752105SL	DI-n-BUTYL PHTHALATE	58 BJ	6.16E+07	46	180	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752106SL	DI-n-BUTYL PHTHALATE	140 BJ	6.16E+07	44	170	µg/Kg	07/29/02	ATCA	FD
AP-4332	10 - 10.5	02B752113SL	DI-n-BUTYL PHTHALATE	94 BJ	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4333	0 - 0.5	02B752114SL	bis(2-ETHYLHEXYL) PHTHALATE	76 J	123,121	34	170	µg/Kg	07/29/02	ATCA	
AP-4333	0 - 0.5	02B752114SL	DI-n-BUTYL PHTHALATE	91 BJ	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	DI-n-BUTYL PHTHALATE	69 BJ	6.16E+07	51	200	µg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	DI-n-BUTYL PHTHALATE	44 BJ	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	bis(2-ETHYLHEXYL) PHTHALATE	52 J	123,121	34	170	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	DI-n-BUTYL PHTHALATE	100 BJ	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752127SL	DI-n-BUTYL PHTHALATE	380 B	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752128SL	DI-n-BUTYL PHTHALATE	370 B	6.16E+07	43	170	µg/Kg	07/29/02	ATCA	FD
VOC (SW8260B)											
AP-4328	0 - 0.5	02B75288SL	METHYL ETHYL KETONE (2-BUTANONE)	46	2.71E+07	5.6	17	µg/Kg	07/26/02	ATCA	
AP-4328	0 - 0.5	02B75288SL	METHYLENE CHLORIDE	33 BJ	20,527	13	40	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	ACETONE	21 J	6.04E+06	10	31	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	METHYL ETHYL KETONE (2-BUTANONE)	35	2.71E+07	4.4	13	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	METHYLENE CHLORIDE	36 B	20,527	10	31	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	TOLUENE	4.7 J	520,000	2.2	6.5	µg/Kg	07/26/02	ATCA	
AP-4328	5 - 5.5	02B75290SL	XYLENES, m & p	5.1 J	420,000	1.3	4.3	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	ACETONE	35 J	6.04E+06	15	45	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	METHYLENE CHLORIDE	43 BJ	20,527	15	45	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	TRICHLOROETHYLENE (TCE)	28 J	115	3.2	9.7	µg/Kg	07/26/02	ATCA	
AP-4329	2 - 2.5	02B75294SL	XYLENES, m & p	6.7 J	420,000	1.9	6.2	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	cis-1,2-DICHLOROETHYLENE	12	146,301	3.8	11	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	METHYL ETHYL KETONE (2-BUTANONE)	51	2.71E+07	7.8	23	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	METHYLENE CHLORIDE	69 B	20,527	18	55	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	TOLUENE	9.1 J	520,000	3.8	11	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	TRICHLOROETHYLENE (TCE)	1,100 J	115	4.0	12	µg/Kg	07/26/02	ATCA	
AP-4329	7 - 7.5	02B75296SL	XYLENES, m & p	9.9 J	420,000	2.3	7.6	µg/Kg	07/26/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	METHYLENE CHLORIDE	29 BJ	20,527	13	38	µg/Kg	07/29/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	P-CYMENE (p-ISOPROPYLTOLUENE)	4.7 J	--	1.2	5.3	µg/Kg	07/29/02	ATCA	
AP-4330	0 - 0.5	02B75298SL	XYLENES, m & p	4.8 JB	420,000	1.6	5.3	µg/Kg	07/29/02	ATCA	
AP-4330	10 - 10.5	02B752102SL	cis-1,2-DICHLOROETHYLENE	11 J	146,301	4.2	12	µg/Kg	07/29/02	ATCA	
AP-4330	10 - 10.5	02B752102SL	METHYLENE CHLORIDE	72 B	20,527	20	60	µg/Kg	07/29/02	ATCA	
AP-4330	10 - 10.5	02B752102SL	TRICHLOROETHYLENE (TCE)	210 J	115	4.3	13	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	1,2,4-TRICHLOROBENZENE	47	3.00E+06	1.3	5.6	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	ACETONE	14 J	6.04E+06	13	40	µg/Kg	07/29/02	ATCA	
AP-4331	2 - 2.5	02B752104SL	METHYLENE CHLORIDE	20 BJ	20,527	13	40	µg/Kg	07/29/02	ATCA	

TABLE C-3
Data Summary of Hits for the Transformer Oil Burn Pit Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4331	5 - 5.5	02B752105SL	ACETONE	18 J	6.04E+06	14	43	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752105SL	cis-1,2-DICHLOROETHYLENE	7.8 J	146,301	3.0	8.9	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752105SL	TRICHLOROETHYLENE (TCE)	350	115	3.1	9.2	µg/Kg	07/29/02	ATCA	
AP-4331	5 - 5.5	02B752106SL	1,1,1-TRICHLOROETHANE	12	1.20E+06	2.5	7.4	µg/Kg	07/29/02	ATCA	FD
AP-4331	5 - 5.5	02B752106SL	cis-1,2-DICHLOROETHYLENE	11	146,301	2.7	8.1	µg/Kg	07/29/02	ATCA	FD
AP-4331	5 - 5.5	02B752106SL	METHYLENE CHLORIDE	48 B	20,527	13	39	µg/Kg	07/29/02	ATCA	FD
AP-4331	5 - 5.5	02B752106SL	TRICHLOROETHYLENE (TCE)	410 J	115	2.8	8.4	µg/Kg	07/29/02	ATCA	FD
AP-4332	10 - 10.5	02B752113SL	cis-1,2-DICHLOROETHYLENE	14	146,301	2.3	6.9	µg/Kg	07/29/02	ATCA	
AP-4332	10 - 10.5	02B752113SL	METHYLENE CHLORIDE	63 B	20,527	11	33	µg/Kg	07/29/02	ATCA	
AP-4332	10 - 10.5	02B752113SL	TOLUENE	5.1 J	520,000	2.3	6.9	µg/Kg	07/29/02	ATCA	
AP-4332	10 - 10.5	02B752113SL	TRICHLOROETHYLENE (TCE)	310 J	115	2.4	7.2	µg/Kg	07/29/02	ATCA	
AP-4333	0 - 0.5	02B752114SL	METHYLENE CHLORIDE	22 BJ	20,527	12	36	µg/Kg	07/29/02	ATCA	
AP-4333	5 - 5.5	02B752116SL	METHYL ETHYL KETONE (2-BUTANONE)	120 B	2.71E+07	13	39	µg/Kg	07/29/02	ATCA	
AP-4333	5 - 5.5	02B752116SL	METHYLENE CHLORIDE	65 BJ	20,527	31	92	µg/Kg	07/29/02	ATCA	
AP-4333	5 - 5.5	02B752116SL	XYLENES, m & p	14	420,000	3.9	13	µg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	cis-1,2-DICHLOROETHYLENE	870	146,301	5.7	17	µg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	METHYLENE CHLORIDE	39 BJ	20,527	28	83	µg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	trans-1,2-DICHLOROETHENE	71	234,823	8.5	25	µg/Kg	07/29/02	ATCA	
AP-4334	2 - 2.5	02B752120SL	TRICHLOROETHYLENE (TCE)	210 J	115	6.0	18	µg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	cis-1,2-DICHLOROETHYLENE	66 J	146,301	2.7	8.0	µg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	METHYLENE CHLORIDE	31 JB	20,527	13	39	µg/Kg	07/29/02	ATCA	
AP-4334	10 - 10.5	02B752123SL	TRICHLOROETHYLENE (TCE)	340 J	115	2.8	8.4	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	METHYL ETHYL KETONE (2-BUTANONE)	16	2.71E+07	4.4	13	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	METHYLENE CHLORIDE	16 BJ	20,527	10	31	µg/Kg	07/29/02	ATCA	
AP-4335	0 - 0.5	02B752124SL	TRICHLOROETHYLENE (TCE)	30 J	115	2.2	6.7	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752127SL	cis-1,2-DICHLOROETHYLENE	37	146,301	2.6	7.7	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752127SL	METHYLENE CHLORIDE	20 BJ	20,527	12	37	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752127SL	TRICHLOROETHYLENE (TCE)	830 J	115	2.7	8.0	µg/Kg	07/29/02	ATCA	
AP-4335	7 - 7.5	02B752128SL	ACETONE	21 J	6.04E+06	15	44	µg/Kg	07/29/02	ATCA	FD
AP-4335	7 - 7.5	02B752128SL	cis-1,2-DICHLOROETHYLENE	52	146,301	3.1	9.3	µg/Kg	07/29/02	ATCA	FD
AP-4335	7 - 7.5	02B752128SL	TRICHLOROETHYLENE (TCE)	1,100	115	3.2	9.6	µg/Kg	07/29/02	ATCA	FD

TABLE C-4
Data Summary of Hits for the Peripheral Road at Building 35-752
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DIOXIN/FURANS (SW8290)											
P1	1.5 - 2	02B752132SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	1.3	3,300	1.1	5.0	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.71	390	2.0	5.0	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.3	--	1.1	5.0	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	1.4	--	1.7	5.0	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.49	--	0.39	5.0	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	OCTACHLORODIBENZO-p-DIOXIN	5.8	159,223	2.6	10	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	OCTACHLORODIBENZOFURAN	0.89	159,223	4.3	10	PG/G	07/30/02	TRID	
P1	1.5 - 2	02B752132SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.4	--	0.95	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	7.5	3,300	1.1	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.3	390	2.0	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.6	390	1.7	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.2	159	0.75	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.31	330	1.5	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.52	39	1.0	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.42	33	2.9	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.31	32	1.0	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.43	39	0.51	1.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	15	--	1.1	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	13	--	1.7	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.91	39	0.94	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	16	--	0.39	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	OCTACHLORODIBENZO-p-DIOXIN	48	159,223	2.6	10	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	OCTACHLORODIBENZOFURAN	12	159,223	4.3	10	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	46	--	0.95	5.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.63	--	0.70	1.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752157SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12	--	0.51	1.0	PG/G	07/30/02	TRID	
P10	0 - 0.5	02B752158SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	9.0	3,300	1.1	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.2	390	2.0	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.8	390	1.7	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.8	159	0.74	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.65	39	0.99	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.49	33	2.9	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.54	32	0.99	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.47	39	0.51	1.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	21	--	1.1	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	15	--	1.7	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	18	--	0.39	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	OCTACHLORODIBENZO-p-DIOXIN	55	159,223	2.6	9.9	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	OCTACHLORODIBENZOFURAN	14	159,223	4.3	9.9	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.1	--	0.49	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	55	--	0.94	5.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.89	--	0.69	1.0	PG/G	07/30/02	TRID	FD
P10	0 - 0.5	02B752158SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15	--	0.51	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	127	3,300	1.1	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	152	390	2.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	56	390	1.7	5.0	PG/G	07/30/02	TRID	FD

TABLE C-4
Data Summary of Hits for the Peripheral Road at Building 35-752
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
P16	0 - 0.5	02B752177SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	1.9	6.6	0.94	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	139	159	0.75	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.8	330	1.5	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	19	39	1.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.9	39	1.4	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	9.7	33	2.9	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	19	32	1.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0.51	3.9	0.70	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	2,3,7,8-TETRACHLORODIBENZOFURAN	10	39	0.51	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	321	--	1.1	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	348	--	1.7	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	44	39	0.94	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	302	--	0.39	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	OCTACHLORODIBENZO-p-DIOXIN	672	159,223	2.6	10	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	OCTACHLORODIBENZOFURAN	447	159,223	4.3	10	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	234	--	0.95	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	11	--	0.70	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752177SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	146	--	0.51	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	23	3,300	1.1	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	38	390	2.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13	390	1.7	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	31	159	0.75	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.79	330	1.5	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.1	39	1.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.3	39	1.4	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.0	33	2.9	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.0	32	1.0	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0.21	3.9	0.70	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	2,3,7,8-TETRACHLORODIBENZOFURAN	1.9	39	0.51	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	64	--	1.1	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	79	--	1.7	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	3.9	39	0.94	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	64	--	0.39	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	OCTACHLORODIBENZO-p-DIOXIN	128	159,223	2.6	10	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	OCTACHLORODIBENZOFURAN	94	159,223	4.3	10	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.2	--	0.49	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	44	--	0.95	5.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	3.2	--	0.70	1.0	PG/G	07/30/02	TRID	FD
P16	0 - 0.5	02B752178SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	25	--	0.51	1.0	PG/G	07/30/02	TRID	FD
P24	1 - 1.5	02B752202SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	27	3,300	1.1	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12	390	2.0	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.60	390	1.7	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.79	159	0.74	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.0	330	1.5	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.32	39	0.99	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.66	39	1.4	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.36	33	2.9	5.0	PG/G	07/30/02	TRID	

TABLE C-4
 Data Summary of Hits for the Peripheral Road at Building 35-752
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
P24	1 - 1.5	02B752202SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	47	--	1.1	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	48	--	1.7	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	4.6	39	0.93	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	18	--	0.39	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	OCTACHLORODIBENZO-p-DIOXIN	154	159,223	2.6	9.9	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	OCTACHLORODIBENZOFURAN	44	159,223	4.3	9.9	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	9.3	--	0.94	5.0	PG/G	07/30/02	TRID	
P24	1 - 1.5	02B752202SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.2	--	0.51	1.0	PG/G	07/30/02	TRID	
P26	0 - 0.5	02B752208SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	142	3,300	1.1	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	65	390	2.0	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	17	390	1.7	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	1.1	6.6	0.93	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	36	159	0.75	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.7	330	1.5	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	4.4	39	0.99	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.1	39	1.4	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	3.7	33	2.9	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.9	32	0.99	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	2,3,7,8-TETRACHLORODIBENZOFURAN	1.9	39	0.51	1.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	441	--	1.1	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	194	--	1.7	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	45	39	0.93	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	138	--	0.39	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	OCTACHLORODIBENZO-p-DIOXIN	961	159,223	2.6	9.9	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	OCTACHLORODIBENZOFURAN	204	159,223	4.3	9.9	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.8	--	0.49	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	95	--	0.94	5.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.2	--	0.70	1.0	PG/G	07/30/02	TRID	FD
P26	0 - 0.5	02B752208SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	46	--	0.51	1.0	PG/G	07/30/02	TRID	FD
P28	1.5 - 2	02B752215SL	OCTACHLORODIBENZO-p-DIOXIN	1.0	159,223	2.6	10	PG/G	07/30/02	TRID	
P29	0 - 0.5	02B752217SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	39	3,300	1.1	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	67	390	2.0	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	24	390	1.7	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	58	159	0.75	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.7	330	1.5	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	6.8	39	1.0	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.6	39	1.4	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	4.0	33	2.9	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	4.8	32	1.0	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	2,3,7,8-TETRACHLORODIBENZOFURAN	5.2	39	0.51	1.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	90	--	1.1	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	147	--	1.7	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	3.3	39	0.94	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	133	--	0.39	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	OCTACHLORODIBENZO-p-DIOXIN	282	159,223	2.6	10	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	OCTACHLORODIBENZOFURAN	165	159,223	4.3	10	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.88	--	0.49	5.0	PG/G	07/30/02	TRID	FD

TABLE C-4
Data Summary of Hits for the Peripheral Road at Building 35-752
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
P29	0 - 0.5	02B752217SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	94	--	0.95	5.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	5.6	--	0.70	1.0	PG/G	07/30/02	TRID	FD
P29	0 - 0.5	02B752217SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	50	--	0.51	1.0	PG/G	07/30/02	TRID	FD
P30	1 - 1.5	02B752220SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.34	3,300	1.1	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.67	390	2.0	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.36	159	0.75	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.65	39	0.51	1.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.58	--	1.1	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	--	1.7	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.36	39	0.94	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	5.2	--	0.39	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	OCTACHLORODIBENZO-p-DIOXIN	2.8	159,223	2.6	10	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	OCTACHLORODIBENZOFURAN	0.80	159,223	4.3	10	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	30	--	0.95	5.0	PG/G	07/30/02	TRID	
P30	1 - 1.5	02B752220SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	12	--	0.51	1.0	PG/G	07/30/02	TRID	
DRO (AK102)											
P1	1.5 - 2	02B752132SL	DIESEL RANGE ORGANICS	3.3 JB	--	0.70	4.5	mg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752157SL	DIESEL RANGE ORGANICS	13	--	0.68	4.4	mg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752158SL	DIESEL RANGE ORGANICS	14	--	0.66	4.3	mg/Kg	07/30/02	ATCA	FD
P12	1.5 - 2	02B752166SL	DIESEL RANGE ORGANICS	2.2 J	--	0.67	4.3	mg/Kg	07/29/02	ATCA	
P16	0 - 0.5	02B752177SL	DIESEL RANGE ORGANICS	46	--	0.66	4.3	mg/Kg	07/30/02	ATCA	FD
P16	0 - 0.5	02B752178SL	DIESEL RANGE ORGANICS	12	--	0.65	4.2	mg/Kg	07/30/02	ATCA	FD
P24	1 - 1.5	02B752202SL	DIESEL RANGE ORGANICS	18	--	0.72	4.7	mg/Kg	07/30/02	ATCA	
P26	0 - 0.5	02B752208SL	DIESEL RANGE ORGANICS	36	--	0.70	4.5	mg/Kg	07/30/02	ATCA	FD
P28	1.5 - 2	02B752215SL	DIESEL RANGE ORGANICS	310	--	0.64	4.2	mg/Kg	07/30/02	ATCA	
P29	0 - 0.5	02B752217SL	DIESEL RANGE ORGANICS	68	--	0.67	4.3	mg/Kg	07/30/02	ATCA	FD
P30	1 - 1.5	02B752220SL	DIESEL RANGE ORGANICS	1.4 JB	--	0.65	4.2	mg/Kg	07/30/02	ATCA	
GRO (AK101)											
P1	1.5 - 2	02B752132SL	GASOLINE RANGE ORGANICS	0.27 J	--	0.24	1.7	mg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752157SL	GASOLINE RANGE ORGANICS	0.24 J	--	0.20	1.4	mg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752158SL	GASOLINE RANGE ORGANICS	0.47 J	--	0.29	2.1	mg/Kg	07/30/02	ATCA	FD
P28	1.5 - 2	02B752215SL	GASOLINE RANGE ORGANICS	0.32 J	--	0.19	1.4	mg/Kg	07/30/02	ATCA	
PCB (SW8082)											
P1	0 - 0.5	02B752130SL	PCB-1260 (AROCHLOR 1260)	269	744	30	126	µg/Kg	07/30/02	ATCC	RE
P1	0 - 0.5	02B752130SL	PCB-1260 (AROCHLOR 1260)	362 J	744	17	71	µg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752157SL	PCB-1260 (AROCHLOR 1260)	546	744	32	134	µg/Kg	07/30/02	ATCC	RE
P10	0 - 0.5	02B752157SL	PCB-1260 (AROCHLOR 1260)	692 J	744	33	138	µg/Kg	07/30/02	ATCA	
P10	0 - 0.5	02B752158SL	PCB-1016 (AROCHLOR 1016)	7.6 J	21,246	7.1	26	µg/Kg	07/30/02	ATCC	RE
P10	0 - 0.5	02B752158SL	PCB-1260 (AROCHLOR 1260)	143	744	6.3	26	µg/Kg	07/30/02	ATCC	RE
P10	0 - 0.5	02B752158SL	PCB-1260 (AROCHLOR 1260)	202 J	744	6.5	27	µg/Kg	07/30/02	ATCA	
P11	1 - 1.5	02B752162SL	PCB-1260 (AROCHLOR 1260)	776	744	32	133	µg/Kg	07/30/02	ATCC	RE
P11	1 - 1.5	02B752162SL	PCB-1260 (AROCHLOR 1260)	987 J	744	32	133	µg/Kg	07/30/02	ATCA	
P12	1.5 - 2	02B752166SL	PCB-1260 (AROCHLOR 1260)	2,100	744	320	1,300	µg/Kg	07/29/02	ATCA	
P13	0 - 0.5	02B752167SL	PCB-1260 (AROCHLOR 1260)	29 J	744	3.1	13	µg/Kg	07/30/02	ATCA	
P14	1 - 1.5	02B752171SL	PCB-1260 (AROCHLOR 1260)	5.3 J	744	3.4	14	µg/Kg	07/30/02	ATCC	RE
P14	1 - 1.5	02B752171SL	PCB-1260 (AROCHLOR 1260)	6.0 J	744	3.5	15	µg/Kg	07/30/02	ATCA	
P15	1.5 - 2	02B752175SL	PCB-1260 (AROCHLOR 1260)	18	744	3.1	13	µg/Kg	07/30/02	ATCC	RE

TABLE C-4

DRAFT

Data Summary of Hits for the Peripheral Road at Building 35-752
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
P15	1.5 - 2	02B752175SL	PCB-1260 (AROCHLOR 1260)	29 J	744	3.2	13	µg/Kg	07/30/02	ATCA	
P16	0 - 0.5	02B752176SL	PCB-1260 (AROCHLOR 1260)	272 J	744	16	65	µg/Kg	07/30/02	ATCA	
P16	0 - 0.5	02B752176SL	PCB-1260 (AROCHLOR 1260)	516	744	16	65	µg/Kg	07/30/02	ATCC	RE
P17	1 - 1.5	02B752180SL	PCB-1260 (AROCHLOR 1260)	1,440	744	66	273	µg/Kg	07/30/02	ATCC	RE
P17	1 - 1.5	02B752180SL	PCB-1260 (AROCHLOR 1260)	1,800 J	744	67	279	µg/Kg	07/30/02	ATCA	
P18	1.5 - 2	02B752184SL	PCB-1260 (AROCHLOR 1260)	6.3 J	744	3.5	15	µg/Kg	07/30/02	ATCC	RE
P18	1.5 - 2	02B752184SL	PCB-1260 (AROCHLOR 1260)	12 J	744	3.5	15	µg/Kg	07/30/02	ATCA	
P19	0 - 0.5	02B752185SL	PCB-1260 (AROCHLOR 1260)	840	744	170	700	µg/Kg	07/29/02	ATCA	
P2	1 - 1.5	02B752134SL	PCB-1260 (AROCHLOR 1260)	4.7 J	744	3.4	14	µg/Kg	07/30/02	ATCA	
P21	1 - 1.5	02B752193SL	PCB-1260 (AROCHLOR 1260)	1,180 J	744	63	262	µg/Kg	07/30/02	ATCA	
P21	1 - 1.5	02B752193SL	PCB-1260 (AROCHLOR 1260)	1,240	744	183	763	µg/Kg	07/30/02	ATCC	RE
P22	1.5 - 2	02B752197SL	PCB-1260 (AROCHLOR 1260)	190 J	744	14	60	µg/Kg	07/30/02	ATCA	
P22	1.5 - 2	02B752197SL	PCB-1260 (AROCHLOR 1260)	358	744	18	74	µg/Kg	07/30/02	ATCC	RE
P23	0 - 0.5	02B752198SL	PCB-1260 (AROCHLOR 1260)	41 J	744	3.1	13	µg/Kg	07/30/02	ATCA	
P23	0 - 0.5	02B752198SL	PCB-1260 (AROCHLOR 1260)	52	744	7.3	30	µg/Kg	07/30/02	ATCC	RE
P24	1 - 1.5	02B752202SL	PCB-1260 (AROCHLOR 1260)	21 J	744	19	80	µg/Kg	07/30/02	ATCC	RE
P24	1 - 1.5	02B752202SL	PCB-1260 (AROCHLOR 1260)	28 J	744	3.5	15	µg/Kg	07/30/02	ATCA	
P25	1.5 - 2	02B752206SL	PCB-1260 (AROCHLOR 1260)	16 J	744	3.5	15	µg/Kg	07/30/02	ATCA	
P25	1.5 - 2	02B752206SL	PCB-1260 (AROCHLOR 1260)	19	744	3.4	14	µg/Kg	07/30/02	ATCC	RE
P26	0 - 0.5	02B752207SL	PCB-1260 (AROCHLOR 1260)	147	744	15	64	µg/Kg	07/30/02	ATCC	RE
P26	0 - 0.5	02B752207SL	PCB-1260 (AROCHLOR 1260)	216 J	744	16	65	µg/Kg	07/30/02	ATCA	
P27	1 - 1.5	02B752211SL	PCB-1260 (AROCHLOR 1260)	58 J	744	3.1	13	µg/Kg	07/30/02	ATCA	
P28	1.5 - 2	02B752215SL	PCB-1260 (AROCHLOR 1260)	4.0 J	744	3.1	13	µg/Kg	07/30/02	ATCC	RE
P28	1.5 - 2	02B752215SL	PCB-1260 (AROCHLOR 1260)	7.4 J	744	3.1	13	µg/Kg	07/30/02	ATCA	
P29	0 - 0.5	02B752216SL	PCB-1260 (AROCHLOR 1260)	1,130	744	65	271	µg/Kg	07/30/02	ATCC	RE
P29	0 - 0.5	02B752216SL	PCB-1260 (AROCHLOR 1260)	1,870 J	744	65	271	µg/Kg	07/30/02	ATCA	
P29	0 - 0.5	02B752217SL	PCB-1260 (AROCHLOR 1260)	3,700 J	744	170	690	µg/Kg	07/30/02	ATCA	
P30	1 - 1.5	02B752220SL	PCB-1260 (AROCHLOR 1260)	28	744	3.2	13	µg/Kg	07/30/02	ATCC	RE
P30	1 - 1.5	02B752220SL	PCB-1260 (AROCHLOR 1260)	52 J	744	3.2	13	µg/Kg	07/30/02	ATCA	
P30	1 - 1.5	02B752221SL	PCB-1260 (AROCHLOR 1260)	50	744	3.2	14	µg/Kg	07/30/02	ATCC	RE
P30	1 - 1.5	02B752221SL	PCB-1260 (AROCHLOR 1260)	54 J	744	3.2	14	µg/Kg	07/30/02	ATCA	
P5	1 - 1.5	02B752143SL	PCB-1260 (AROCHLOR 1260)	110	744	7.1	29	µg/Kg	07/30/02	ATCC	RE
P5	1 - 1.5	02B752143SL	PCB-1260 (AROCHLOR 1260)	138 J	744	3.2	13	µg/Kg	07/30/02	ATCA	
P6	1.5 - 2	02B752147SL	PCB-1260 (AROCHLOR 1260)	4.2 J	744	3.2	13	µg/Kg	07/30/02	ATCC	RE
P6	1.5 - 2	02B752147SL	PCB-1260 (AROCHLOR 1260)	11 J	744	3.2	13	µg/Kg	07/30/02	ATCA	
P7	0 - 0.5	02B752148SL	PCB-1260 (AROCHLOR 1260)	794 J	744	35	146	µg/Kg	07/30/02	ATCA	
P7	0 - 0.5	02B752148SL	PCB-1260 (AROCHLOR 1260)	883	744	35	145	µg/Kg	07/30/02	ATCC	RE
P8	1 - 1.5	02B752152SL	PCB-1260 (AROCHLOR 1260)	182	744	35	146	µg/Kg	07/30/02	ATCC	RE
P8	1 - 1.5	02B752152SL	PCB-1260 (AROCHLOR 1260)	584 J	744	35	146	µg/Kg	07/30/02	ATCA	
P9	1.5 - 2	02B752156SL	PCB-1260 (AROCHLOR 1260)	170	744	3.4	14	µg/Kg	07/30/02	ATCC	RE
P9	1.5 - 2	02B752156SL	PCB-1260 (AROCHLOR 1260)	172 J	744	3.5	15	µg/Kg	07/30/02	ATCA	

TABLE C-5

DRAFT

Data Summary of Hit for the Former PCB Contaminated Soil Stockpile Footprint Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DIOXIN/FURANS (SW8290)											
S31	1 - 1.5	02B75264SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	3.3	3,300	1.1	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.65	390	2.0	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.44	159	0.73	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.31	330	1.5	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.26	39	0.97	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.25	33	2.8	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	5.4	--	1.1	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	0.65	--	1.7	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.2	39	0.92	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	1.2	--	0.38	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	OCTACHLORODIBENZO-p-DIOXIN	53	159,223	2.5	9.7	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	OCTACHLORODIBENZOFURAN	1.2	159,223	4.2	9.7	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.21	--	0.92	4.9	PG/G	07/26/02	TRID	
S31	1 - 1.5	02B75264SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.39	--	0.50	1.0	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	6.6	3,300	1.1	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.1	390	2.0	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.2	390	1.7	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.9	159	0.74	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.31	330	1.5	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.39	39	0.99	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.37	33	2.9	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.30	32	0.99	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.43	39	0.50	1.0	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	15	--	1.1	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	12	--	1.7	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	2.2	39	0.93	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	7.6	--	0.38	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	OCTACHLORODIBENZO-p-DIOXIN	42	159,223	2.6	9.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	OCTACHLORODIBENZOFURAN	9.9	159,223	4.2	9.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	9.4	--	0.94	4.9	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.60	--	0.69	1.0	PG/G	07/26/02	TRID	
S34	1 - 1.5	02B75270SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15	--	0.50	1.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	13	3,300	1.1	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	14	390	2.0	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.1	390	1.7	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	12	159	0.74	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	1.5	39	0.99	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	2,3,7,8-TETRACHLORODIBENZOFURAN	0.90	39	0.51	1.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	34	--	1.1	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	35	--	1.7	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.3	39	0.93	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	27	--	0.39	5.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	OCTACHLORODIBENZO-p-DIOXIN	70	159,223	2.6	9.9	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	OCTACHLORODIBENZOFURAN	36	159,223	4.3	9.9	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	26	--	0.94	5.0	PG/G	07/26/02	TRID	

TABLE C-5

DRAFT

Data Summary of Hit for the Former PCB Contaminated Soil Stockpile Footprint Area
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
S38	0 - 0.5	02B75277SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.74	--	0.69	1.0	PG/G	07/26/02	TRID	
S38	0 - 0.5	02B75277SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	15	--	0.51	1.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	15	3,300	1.1	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.1	390	2.0	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.1	390	1.7	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.3	159	0.75	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	30	--	1.1	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	19	--	1.7	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	1.2	39	0.94	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	12	--	0.39	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	OCTACHLORODIBENZO-p-DIOXIN	87	159,223	2.6	10	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	OCTACHLORODIBENZOFURAN	19	159,223	4.3	10	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	16	--	0.95	5.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75283SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	9.3	--	0.51	1.0	PG/G	07/26/02	TRID	
S41	0 - 0.5	02B75284SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	15	3,300	1.1	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.5	390	2.0	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.1	159	0.75	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	32	--	1.1	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	18	--	1.7	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	17	--	0.39	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	OCTACHLORODIBENZO-p-DIOXIN	85	159,223	2.6	10	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	OCTACHLORODIBENZOFURAN	13	159,223	4.3	10	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	8.6	--	0.49	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	20	--	0.95	5.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	0.73	--	0.70	1.0	PG/G	07/26/02	TRID	FD
S41	0 - 0.5	02B75284SL	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	18	--	0.51	1.0	PG/G	07/26/02	TRID	FD
DRO (AK102)											
S31	1 - 1.5	02B75264SL	DIESEL RANGE ORGANICS	5.2 J	--	0.63	4.1	mg/Kg	07/26/02	ATCA	
S34	1 - 1.5	02B75270SL	DIESEL RANGE ORGANICS	21 J	--	0.82	5.3	mg/Kg	07/26/02	ATCA	
S38	0 - 0.5	02B75277SL	DIESEL RANGE ORGANICS	29 J	--	1.3	8.3	mg/Kg	07/26/02	ATCA	
S41	0 - 0.5	02B75283SL	DIESEL RANGE ORGANICS	13 J	--	0.67	4.3	mg/Kg	07/26/02	ATCA	
S41	0 - 0.5	02B75284SL	DIESEL RANGE ORGANICS	14 J	--	0.67	4.3	mg/Kg	07/26/02	ATCA	FD
PCB (SW8082)											
S31	1 - 1.5	02B75264SL	PCB-1260 (AROCHLOR 1260)	20 J	744	3.1	13	µg/Kg	07/26/02	ATCA	
S32	0 - 0.5	02B75265SL	PCB-1260 (AROCHLOR 1260)	480 J	744	67	280	µg/Kg	07/26/02	ATCA	
S35	0 - 0.5	02B75271SL	PCB-1260 (AROCHLOR 1260)	420 J	744	72	300	µg/Kg	07/26/02	ATCA	
S36	0 - 0.5	02B75273SL	PCB-1260 (AROCHLOR 1260)	290	744	26	110	µg/Kg	07/26/02	ATCA	
S37	0 - 0.5	02B75275SL	PCB-1260 (AROCHLOR 1260)	130 J	744	26	110	µg/Kg	07/26/02	ATCA	
S37	1 - 1.5	02B75276SL	PCB-1260 (AROCHLOR 1260)	790	744	160	660	µg/Kg	07/26/02	ATCA	
S38	0 - 0.5	02B75277SL	PCB-1260 (AROCHLOR 1260)	25 J	744	3.2	13	µg/Kg	07/26/02	ATCA	
S39	0 - 0.5	02B75279SL	PCB-1260 (AROCHLOR 1260)	47 J	744	3.2	13	µg/Kg	07/26/02	ATCA	
S41	0 - 0.5	02B75283SL	PCB-1260 (AROCHLOR 1260)	510 J	744	66	280	µg/Kg	07/26/02	ATCA	
S41	0 - 0.5	02B75284SL	PCB-1260 (AROCHLOR 1260)	360 J	744	66	280	µg/Kg	07/26/02	ATCA	FD

TABLE C-6

DRAFT

Data Summary of Hits for Building 35-752 Groundwater

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AP-2982	--	02B75202WA	DIESEL RANGE ORGANICS	0.76 B	--	0.036	0.18	mg/L	08/15/02	ATCA	
AP-2983	--	02B75203WA	DIESEL RANGE ORGANICS	0.053 JB	--	0.034	0.17	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	DIESEL RANGE ORGANICS	0.87 B	--	0.038	0.19	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	DIESEL RANGE ORGANICS	0.059 JB	--	0.036	0.18	mg/L	08/16/02	ATCA	
AP-3232	--	02B75208WA	DIESEL RANGE ORGANICS	0.11 JB	--	0.037	0.19	mg/L	08/19/02	ATCA	
AP-3232	--	02B75209WA	DIESEL RANGE ORGANICS	0.10 JB	--	0.037	0.19	mg/L	08/19/02	ATCA	FD
AP-3458	--	02B75204WA	DIESEL RANGE ORGANICS	0.61	--	0.038	0.19	mg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	DIESEL RANGE ORGANICS	0.092 JB	--	0.034	0.17	mg/L	08/15/02	ATCA	
GRO (AK101)											
AP-2982	--	02B75202WA	GASOLINE RANGE ORGANICS	1,700	--	3.0	50	µg/L	08/15/02	ATCA	
AP-2983	--	02B75203WA	GASOLINE RANGE ORGANICS	12 JB	--	3.0	50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	GASOLINE RANGE ORGANICS	450	--	3.0	50	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	GASOLINE RANGE ORGANICS	13 JB	--	3.0	50	µg/L	08/16/02	ATCA	
AP-3232	--	02B75208WA	GASOLINE RANGE ORGANICS	17 JB	--	3.0	50	µg/L	08/19/02	ATCA	
AP-3232	--	02B75209WA	GASOLINE RANGE ORGANICS	16 JB	--	3.0	50	µg/L	08/19/02	ATCA	FD
AP-3458	--	02B75204WA	GASOLINE RANGE ORGANICS	35 JB	--	3.0	50	µg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	GASOLINE RANGE ORGANICS	8.4 JB	--	3.0	50	µg/L	08/15/02	ATCA	
METAL (SW6000/7000)											
AP-2982	--	02B75202WA	ALUMINUM	0.087	36	0.016	0.050	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	BARIUM	0.0074 J	2.6	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	CALCIUM	21	--	0.018	0.10	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	CHROMIUM, TOTAL	0.0029 JB	0.11	0.0020	0.010	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	COBALT	0.0027 J	0.73	0.0015	0.0050	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	COPPER	0.0020 J	1.5	0.0012	0.0050	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	IRON	2.2	11	0.0040	0.050	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	MAGNESIUM	4.3	--	0.030	0.10	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	MANGANESE	1.0	0.88	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	MERCURY	8.40E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	POTASSIUM	0.88 J	--	0.25	1.0	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	SODIUM	11	--	0.36	3.0	mg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	ZINC	0.0055	11	0.0010	0.0050	mg/L	08/15/02	ATCA	
AP-2983	--	02B75203WA	ALUMINUM	0.022 J	36	0.016	0.050	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	BARIUM	0.0025 J	2.6	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	CALCIUM	8.2	--	0.018	0.10	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	COPPER	0.015	1.5	0.0012	0.0050	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	IRON	0.039 J	11	0.0040	0.050	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	MAGNESIUM	1.8	--	0.030	0.10	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	MANGANESE	8.40E-04 J	0.88	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	POTASSIUM	1.0	--	0.25	1.0	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	SODIUM	8.2	--	0.36	3.0	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	ZINC	0.0087	11	0.0010	0.0050	mg/L	08/16/02	ATCA	

TABLE C-6
Data Summary of Hits for Building 35-752 Groundwater

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-2987	--	02B75206WA	ALUMINUM	0.16	36	0.016	0.050	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	BARIUM	0.012	2.6	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	CALCIUM	25	--	0.018	0.10	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	COBALT	0.0015 J	0.73	0.0015	0.0050	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	COPPER	0.0035 J	1.5	0.0012	0.0050	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	IRON	0.36	11	0.0040	0.050	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	MAGNESIUM	5.6	--	0.030	0.10	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	MANGANESE	0.67	0.88	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	MERCURY	5.40E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	POTASSIUM	1.5	--	0.25	1.0	mg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	SODIUM	9.5	--	0.36	3.0	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	ALUMINUM	2.3	36	0.016	0.050	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	BARIUM	0.024	2.6	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	CALCIUM	16	--	0.018	0.10	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	CHROMIUM, TOTAL	0.0060 JB	0.11	0.0020	0.010	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	COBALT	0.0017 J	0.73	0.0015	0.0050	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	COPPER	0.026	1.5	0.0012	0.0050	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	IRON	2.2	11	0.0040	0.050	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	MAGNESIUM	3.7	--	0.030	0.10	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	MANGANESE	0.073	0.88	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	MERCURY	7.00E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	POTASSIUM	1.4	--	0.25	1.0	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	SODIUM	10	--	0.36	3.0	mg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	ZINC	0.023	11	0.0010	0.0050	mg/L	08/16/02	ATCA	
AP-3232	--	02B75208WA	ALUMINUM	0.62	36	0.016	0.050	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	BARIUM	0.010	2.6	5.00E-04	0.010	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	CALCIUM	15	--	0.018	0.10	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	CHROMIUM, TOTAL	0.0026 J	0.11	0.0020	0.010	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	COPPER	0.0035 JB	1.5	0.0012	0.0050	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	IRON	0.58	11	0.0040	0.050	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	MAGNESIUM	2.8	--	0.030	0.10	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	MANGANESE	0.016	0.88	5.00E-04	0.010	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	POTASSIUM	1.1	--	0.25	1.0	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	SODIUM	11	--	0.36	3.0	mg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	ZINC	0.0048 JB	11	0.0010	0.0050	mg/L	08/19/02	ATCA	
AP-3232	--	02B75209WA	ALUMINUM	0.65	36	0.016	0.050	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	BARIUM	0.010 J	2.6	5.00E-04	0.010	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	CALCIUM	15	--	0.018	0.10	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	COPPER	0.0025 JB	1.5	0.0012	0.0050	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	IRON	0.61	11	0.0040	0.050	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	MAGNESIUM	2.7	--	0.030	0.10	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	MANGANESE	0.017	0.88	5.00E-04	0.010	mg/L	08/19/02	ATCA	FD

TABLE C-6

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Data Summary of Hits for Building 35-752 Groundwater

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3232	--	02B75209WA	MERCURY	7.60E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	POTASSIUM	0.82 J	--	0.25	1.0	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	SODIUM	10	--	0.36	3.0	mg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	ZINC	0.0053 JB	11	0.0010	0.0050	mg/L	08/19/02	ATCA	FD
AP-3458	--	02B75204WA	ALUMINUM	0.37	36	0.016	0.050	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	BARIUM	0.014	2.6	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	CALCIUM	44	--	0.018	0.10	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	CHROMIUM, TOTAL	0.0034 JB	0.11	0.0020	0.010	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	COBALT	0.0028 J	0.73	0.0015	0.0050	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	COPPER	0.0039 J	1.5	0.0012	0.0050	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	IRON	7.6	11	0.0040	0.050	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	MAGNESIUM	12	--	0.030	0.10	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	MANGANESE	3.1	0.88	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	MERCURY	4.50E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	POTASSIUM	0.86 J	--	0.25	1.0	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	SODIUM	8.4	--	0.36	3.0	mg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	ZINC	0.0047 J	11	0.0010	0.0050	mg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	ALUMINUM	0.082	36	0.016	0.050	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	BARIUM	0.0085 J	2.6	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	CALCIUM	24	--	0.018	0.10	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	IRON	0.13	11	0.0040	0.050	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	MAGNESIUM	4.5	--	0.030	0.10	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	MANGANESE	0.015	0.88	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	MERCURY	6.40E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	POTASSIUM	0.99 J	--	0.25	1.0	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	SODIUM	9.4	--	0.36	3.0	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	ZINC	0.0033 J	11	0.0010	0.0050	mg/L	08/15/02	ATCA	
METAL DISS (SW6000/7000)											
AP-2983	--	02B75203WA	BARIUM	0.0028 J	2.6	5.00E-04	0.010	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	CALCIUM	8.8	--	0.018	0.10	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	COPPER	0.019	1.5	0.0012	0.0050	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	IRON	0.011 J	11	0.0040	0.050	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	MAGNESIUM	1.8	--	0.030	0.10	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	MERCURY	5.60E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	POTASSIUM	0.46 J	--	0.25	1.0	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	SODIUM	8.3	--	0.36	3.0	mg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	ZINC	0.017	11	0.0010	0.0050	mg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	BARIUM	0.010 J	2.6	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	CALCIUM	27	--	0.018	0.10	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	COPPER	0.0025 J	1.5	0.0012	0.0050	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	IRON	0.0051 J	11	0.0040	0.050	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	MAGNESIUM	4.8	--	0.030	0.10	mg/L	08/15/02	ATCA	

TABLE C-6

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Data Summary of Hits for Building 35-752 Groundwater

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3503	--	02B75201WA	MANGANESE	6.20E-04 J	0.88	5.00E-04	0.010	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	MERCURY	5.30E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	POTASSIUM	1.1	--	0.25	1.0	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	SODIUM	9.9	--	0.36	3.0	mg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	ZINC	0.0044 J	11	0.0010	0.0050	mg/L	08/15/02	ATCA	
PAH (8270SIM)											
AP-2982	--	02B75202WA	2-METHYLNAPHTHALENE	2.5 J	--	0.013	0.060	µg/L	08/22/02	ATCA	
AP-2982	--	02B75202WA	FLUORENE	0.071 J	243	0.010	0.14	µg/L	08/22/02	ATCA	
AP-2982	--	02B75202WA	NAPHTHALENE	6.5 J	6.2	0.012	0.29	µg/L	08/22/02	ATCA	
AP-2987	--	02B75206WA	2-METHYLNAPHTHALENE	0.056 J	--	0.012	0.056	µg/L	08/22/02	ATCA	
AP-2987	--	02B75206WA	NAPHTHALENE	0.99 J	6.2	0.011	0.27	µg/L	08/22/02	ATCA	
AP-3458	--	02B75204WA	ACENAPHTHENE	0.067	365	0.0093	0.056	µg/L	08/22/02	ATCA	
AP-3458	--	02B75204WA	FLUORENE	0.14 J	243	0.0098	0.13	µg/L	08/22/02	ATCA	
AP-3458	--	02B75204WA	NAPHTHALENE	0.11 J	6.2	0.011	0.27	µg/L	08/22/02	ATCA	
PCB (SW8082)											
AP-2987	--	02B75206WA	PCB-1260 (AROCHLOR 1260)	0.061 J	0.034	0.046	0.56	µg/L	08/16/02	ATCA	
SVOC (SW8270C)											
AP-2982	--	02B75202WA	2-METHYLNAPHTHALENE	6.2	--	0.54	5.9	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	NAPHTHALENE	19	6.2	0.68	12	µg/L	08/15/02	ATCA	
AP-2987	--	02B75206WA	DI-n-BUTYL PHTHALATE	2.1 BJ	3,650	1.9	5.8	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	DI-n-BUTYL PHTHALATE	3.3 BJ	3,650	1.8	5.7	µg/L	08/16/02	ATCA	
AP-3232	--	02B75209WA	DI-n-BUTYL PHTHALATE	4.0 JB	3,650	2.6	8.1	µg/L	08/19/02	ATCA	FD
AP-3458	--	02B75204WA	DI-n-BUTYL PHTHALATE	3.4 BJ	3,650	1.7	5.3	µg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	DI-n-BUTYL PHTHALATE	4.7 BJ	3,650	1.8	5.4	µg/L	08/15/02	ATCA	
VOC (SW8260B)											
AP-2982	--	02B75202WA	1,1,1-TRICHLOROETHANE	4.0 J	3,172	0.13	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	1,1-DICHLOROETHANE	0.39 J	811	0.074	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	1,2,4-TRIMETHYLBENZENE	39 J	12	0.062	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	7.3 J	12	0.090	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	BENZENE	12 J	0.34	0.064	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	CHLOROFORM	0.17 J	6.2	0.11	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	CHLOROMETHANE	0.32 J	1.5	0.071	2.5	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	ETHYLBENZENE	110 J	2.9	0.28	2.5	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	ISOPROPYLBENZENE (CUMENE)	8.2 J	658	0.063	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	METHYLENE CHLORIDE	1.9 JB	4.3	0.25	2.0	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	n-BUTYLBENZENE	1.6 J	243	0.065	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	n-PROPYLBENZENE	13 J	243	0.072	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	NAPHTHALENE	26 J	6.2	0.042	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	O-XYLENE (1,2-DIMETHYLBENZENE)	140 J	210	0.31	2.5	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	P-CYMENE (p-ISOPROPYLTOLUENE)	1.0 J	--	0.039	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	SEC-BUTYLBENZENE	1.4 J	243	0.079	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	t-BUTYLBENZENE	0.19 J	243	0.082	0.50	µg/L	08/15/02	ATCA	

TABLE C-6

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Data Summary of Hits for Building 35-752 Groundwater

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-2982	--	02B75202WA	TETRACHLOROETHYLENE(PCE)	0.40 J	0.66	0.059	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	TOLUENE	32 J	723	0.067	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	TRICHLOROETHYLENE (TCE)	1.3 J	0.028	0.086	0.50	µg/L	08/15/02	ATCA	
AP-2982	--	02B75202WA	XYLENES, m & p	150 J	210	0.68	2.5	µg/L	08/15/02	ATCA	
AP-2983	--	02B75203WA	CHLOROFORM	0.17 J	6.2	0.11	0.50	µg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	CHLOROMETHANE	0.30 J	1.5	0.071	2.5	µg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	METHYLENE CHLORIDE	1.7 JB	4.3	0.25	2.0	µg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	TOLUENE	1.1 JB	723	0.067	0.50	µg/L	08/16/02	ATCA	
AP-2983	--	02B75203WA	TRICHLOROETHYLENE (TCE)	0.60 J	0.028	0.086	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	1,1,1-TRICHLOROETHANE	0.72 J	3,172	0.13	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	1,1-DICHLOROETHANE	0.24 J	811	0.074	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	1,2,4-TRIMETHYLBENZENE	16 J	12	0.062	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	4.8 J	12	0.090	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	BENZENE	5.1 J	0.34	0.064	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	CHLOROMETHANE	0.33 J	1.5	0.071	2.5	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	cis-1,2-DICHLOROETHYLENE	0.24 J	61	0.079	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	ETHYLBENZENE	24 J	2.9	0.056	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	ISOPROPYLBENZENE (CUMENE)	1.7 J	658	0.063	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	METHYLENE CHLORIDE	1.9 JB	4.3	0.25	2.0	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	n-PROPYLBENZENE	1.8 J	243	0.072	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	NAPHTHALENE	5.2 J	6.2	0.042	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	O-XYLENE (1,2-DIMETHYLBENZENE)	39 J	210	0.31	2.5	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	TETRACHLOROETHYLENE(PCE)	0.44 J	0.66	0.059	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	TOLUENE	5.4 J	723	0.067	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	TRICHLOROETHYLENE (TCE)	1.2 J	0.028	0.086	0.50	µg/L	08/16/02	ATCA	
AP-2987	--	02B75206WA	XYLENES, m & p	37 J	210	0.68	2.5	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	CHLOROFORM	0.22 J	6.2	0.11	0.50	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	CHLOROMETHANE	4.0 J	1.5	0.071	2.5	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	METHYLENE CHLORIDE	1.9 JB	4.3	0.25	2.0	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	TOLUENE	1.6 J	723	0.067	0.50	µg/L	08/16/02	ATCA	
AP-3231	--	02B75207WA	TRICHLOROETHYLENE (TCE)	8.6 J	0.028	0.086	0.50	µg/L	08/16/02	ATCA	
AP-3232	--	02B75208WA	BENZENE	0.10 J	0.34	0.064	0.50	µg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	CHLOROFORM	0.20 J	6.2	0.11	0.50	µg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	CHLOROMETHANE	0.12 JB	1.5	0.071	2.5	µg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	TOLUENE	4.4 B	723	0.067	0.50	µg/L	08/19/02	ATCA	
AP-3232	--	02B75208WA	TRICHLOROETHYLENE (TCE)	0.38 J	0.028	0.086	0.50	µg/L	08/19/02	ATCA	
AP-3232	--	02B75209WA	CHLOROFORM	0.20 J	6.2	0.11	0.50	µg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	CHLOROMETHANE	0.12 JB	1.5	0.071	2.5	µg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	TOLUENE	4.2 B	723	0.067	0.50	µg/L	08/19/02	ATCA	FD
AP-3232	--	02B75209WA	TRICHLOROETHYLENE (TCE)	0.34 J	0.028	0.086	0.50	µg/L	08/19/02	ATCA	FD
AP-3458	--	02B75204WA	BENZENE	0.10 J	0.34	0.064	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	CHLOROETHANE	0.12 J	4.6	0.092	2.0	µg/L	08/16/02	ATCA	

TABLE C-6

DRAFT

Data Summary of Hits for Building 35-752 Groundwater

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3458	--	02B75204WA	CHLOROMETHANE	0.46 J	1.5	0.071	2.5	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	cis-1,2-DICHLOROETHYLENE	7.2 J	61	0.079	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	ISOPROPYLBENZENE (CUMENE)	0.26 J	658	0.063	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	METHYLENE CHLORIDE	1.7 JB	4.3	0.25	2.0	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	SEC-BUTYLBENZENE	0.65 J	243	0.079	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	TOLUENE	1.8 J	723	0.067	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	trans-1,2-DICHLOROETHENE	0.13 J	122	0.042	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	TRICHLOROETHYLENE (TCE)	1.8 J	0.028	0.086	0.50	µg/L	08/16/02	ATCA	
AP-3458	--	02B75204WA	VINYL CHLORIDE	0.13 J	0.020	0.061	0.50	µg/L	08/16/02	ATCA	
AP-3503	--	02B75201WA	1,1,1-TRICHLOROETHANE	0.70 J	3,172	0.13	0.50	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	1,1-DICHLOROETHANE	0.12 J	811	0.074	0.50	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	CHLOROMETHANE	0.53 J	1.5	0.071	2.5	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	METHYLENE CHLORIDE	2.5 JB	4.3	0.25	2.0	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	TETRACHLOROETHYLENE(PCE)	0.15 J	0.66	0.059	0.50	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	TOLUENE	0.44 JB	723	0.067	0.50	µg/L	08/15/02	ATCA	
AP-3503	--	02B75201WA	TRICHLOROETHYLENE (TCE)	1.1 J	0.028	0.086	0.50	µg/L	08/15/02	ATCA	

TABLE C-7
Data Summary of Hits for the AVMA Trench 1
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT1	0.5	02AVMA01SL	DIESEL RANGE ORGANICS	20	--	2.8	18	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	DIESEL RANGE ORGANICS	52	--	1.3	8.2	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	DIESEL RANGE ORGANICS	52	--	1.5	9.4	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	DIESEL RANGE ORGANICS	5.4 J	--	1.4	9.3	mg/Kg	07/22/02	ATCA	
GRO (AK101)											
AVMAT1	3.5	02AVMA02SL	GASOLINE RANGE ORGANICS	0.33 J	--	0.21	1.5	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	GASOLINE RANGE ORGANICS	0.56 J	--	0.34	2.5	mg/Kg	07/22/02	ATCA	
METAL (SW6000/7000)											
AVMAT1	0.5	02AVMA01SL	ALUMINUM	22,000	100,000	1.5	8.1	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	ANTIMONY	0.30 J	409	0.095	0.55	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BARIUM	120	66,577	0.12	0.41	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BERYLLIUM	0.41	1,941	0.020	0.20	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	CADMIUM	0.94	451	0.071	0.81	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	CALCIUM	4,800	--	1.2	14	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	CHROMIUM, TOTAL	34	448	0.32	2.0	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	COBALT	12	1,921	0.43	3.0	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	COPPER	25	40,877	0.19	0.61	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	IRON	37,000	100,000	0.45	6.1	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	LEAD	7.0	750	1.9	6.1	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	MAGNESIUM	6,800	--	2.5	10	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	MANGANESE	550	19,458	0.030	1.0	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	MERCURY	0.090 B	307	0.0012	0.049	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	NICKEL	31	20,439	1.3	4.1	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	POTASSIUM	990	--	26	100	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	SELENIUM	11 B	5,110	1.6	10	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	SODIUM	310	--	32	300	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	VANADIUM	78	7,154	0.27	1.0	mg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	ZINC	64	100,000	0.081	0.61	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ALUMINUM	17,000	100,000	1.3	6.9	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ANTIMONY	0.37 JB	409	0.080	0.47	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	BARIUM	57	66,577	0.10	0.34	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	BERYLLIUM	0.33	1,941	0.017	0.17	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	CADMIUM	0.91	451	0.060	0.69	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	CALCIUM	9,200	--	1.0	12	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	CHROMIUM, TOTAL	26	448	0.27	1.7	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	COBALT	12	1,921	0.36	2.6	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	COPPER	23	40,877	0.16	0.52	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	IRON	32,000	100,000	0.38	5.2	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	LEAD	43	750	1.6	5.2	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	MAGNESIUM	10,000	--	2.2	8.6	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	MANGANESE	540	19,458	0.026	0.86	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	MERCURY	0.060 B	307	0.0010	0.043	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	NICKEL	36	20,439	1.1	3.4	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	POTASSIUM	810	--	22	86	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	SELENIUM	6.2 BJ	5,110	1.4	8.6	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	SODIUM	140 J	--	27	260	mg/Kg	07/22/02	ATCA	

TABLE C-7
Data Summary of Hits for the AVMA Trench 1
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT1	3.5	02AVMA02SL	VANADIUM	65	7,154	0.23	0.86	mg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ZINC	83	100,000	0.069	0.52	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ALUMINUM	17,000	100,000	0.84	4.5	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ANTIMONY	0.90 JB	409	0.052	0.30	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ARSENIC	3.1 J	1.6	0.67	7.3	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	BARIIUM	71	66,577	0.066	0.22	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	BERYLLIUM	0.32	1,941	0.011	0.11	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	CADMIUM	0.92	451	0.039	0.45	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	CALCIUM	8,700	--	0.67	7.8	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	CHROMIUM, TOTAL	28	448	0.17	1.1	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	COBALT	9.7	1,921	0.24	1.7	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	COPPER	25	40,877	0.11	0.34	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	IRON	28,000	100,000	0.25	3.4	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	LEAD	50	750	1.1	3.4	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	MAGNESIUM	6,900	--	1.4	5.6	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	MANGANESE	490	19,458	0.017	0.56	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	MERCURY	0.098 B	307	0.0011	0.044	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	NICKEL	30	20,439	0.72	2.2	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	POTASSIUM	640	--	15	56	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	SELENIUM	6.9 B	5,110	0.90	5.6	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	SODIUM	140 J	--	17	170	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	VANADIUM	55	7,154	0.15	0.56	mg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ZINC	90	100,000	0.045	0.34	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	ALUMINUM	42,000	100,000	1.1	6.2	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	ANTIMONY	0.41 J	409	0.072	0.42	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	ARSENIC	17	1.6	0.93	10	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	BARIIUM	240	66,577	0.091	0.31	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	BERYLLIUM	1.0	1,941	0.015	0.15	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	CADMIUM	2.0	451	0.054	0.62	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	CALCIUM	9,500	--	0.93	11	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	CHROMIUM, TOTAL	78	448	0.24	1.5	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	COBALT	43	1,921	0.32	2.3	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	COPPER	120	40,877	0.15	0.46	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	IRON	71,000	100,000	0.68	9.3	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	LEAD	19	750	1.5	4.6	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	MAGNESIUM	17,000	--	1.9	7.7	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	MANGANESE	2,600	19,458	0.023	0.77	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	MERCURY	0.33 B	307	0.0015	0.061	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	NICKEL	130	20,439	0.99	3.1	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	POTASSIUM	2,600	--	20	77	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	SELENIUM	12 B	5,110	1.2	7.7	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	SODIUM	290	--	24	230	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	THALLIUM	0.094 J,GQ,B	67	0.078	0.35	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	VANADIUM	120	7,154	0.21	0.77	mg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	ZINC	140	100,000	0.062	0.46	mg/Kg	07/22/02	ATCA	
PESTICIDE (SW8081)											
AVMAT1	0.5	02AVMA01SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.86 J	359	0.30	2.3	µg/Kg	07/22/02	ATCA	

TABLE C-7
 Data Summary of Hits for the AVMA Trench 1
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT1	0.5	02AVMA01SL	p,p'-DDD	4.0	9,951	0.47	3.5	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	p,p'-DDE	1.3 J	7,025	0.28	2.1	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	p,p'-DDT	13	7,025	0.34	2.5	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	1.0 J	359	0.27	2.1	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ALPHA-CHLORDANE	0.43 J	6,468	0.30	2.2	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2.3 J	1,258	0.54	4.1	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	DIELDRIN	0.66 J	108	0.27	2.1	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ENDOSULFAN SULFATE	0.42 J	--	0.20	1.5	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ENDRIN	1.9 J	184,682	0.61	4.5	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	ENDRIN KETONE	0.39 J	--	0.23	1.2	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	METHOXYCHLOR	6.3 J	3.08E+06	1.3	9.9	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	p,p'-DDD	10	9,951	0.42	3.1	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	p,p'-DDE	6.6	7,025	0.25	1.9	µg/Kg	07/22/02	ATCA	
AVMAT1	3.5	02AVMA02SL	p,p'-DDT	31	7,025	1.5	11	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.71 J	359	0.28	2.1	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ALPHA-CHLORDANE	5.4	6,468	0.31	2.3	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.5 J	1,258	0.57	4.3	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	DIELDRIN	1.1 J	108	0.28	2.1	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	ENDOSULFAN SULFATE	0.30 J	--	0.21	1.5	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	GAMMA-CHLORDANE	5.7	6,468	0.49	3.6	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	HEPTACHLOR	2.3 J	383	1.1	8.4	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	HEPTACHLOR EPOXIDE	1.4 J	189	0.63	4.7	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	p,p'-DDD	16	9,951	0.44	3.3	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	p,p'-DDE	13	7,025	0.26	2.0	µg/Kg	07/22/02	ATCA	
AVMAT1	8	02AVMA03SL	p,p'-DDT	23	7,025	1.6	12	µg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.52 J	359	0.38	2.9	µg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	p,p'-DDD	1.0 J	9,951	0.58	4.3	µg/Kg	07/22/02	ATCA	
AVMAT1	16	02AVMA04SL	p,p'-DDT	2.8 J	7,025	0.42	3.1	µg/Kg	07/22/02	ATCA	
SVOC (SW8270C)											
AVMAT1	0.5	02AVMA01SL	2-METHYLNAPHTHALENE	280	--	51	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	ACENAPHTHENE	1,200	2.92E+07	45	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	ANTHRACENE	1,100	1.00E+08	41	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BENZO(a)ANTHRACENE	1,200	2,110	41	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BENZO(a)PYRENE	1,100	211	34	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BENZO(b)FLUORANTHENE	1,100	2,110	30	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BENZO(g,h,i)PERYLENE	470	--	44	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	BENZO(k)FLUORANTHENE	450	21,096	39	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	bis(2-ETHYLHEXYL) PHTHALATE	48 J	123,121	38	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	CHRYSENE	1,300	210,962	41	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	DI-n-BUTYL PHTHALATE	63 BJ	6.16E+07	49	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	DIBENZ(a,h)ANTHRACENE	180 J	211	46	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	DIBENZOFURAN	770	3.13E+06	41	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	FLUORANTHENE	2,100	2.20E+07	46	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	FLUORENE	1,100	2.63E+07	41	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	INDENO(1,2,3-c,d)PYRENE	530	2,110	37	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	NAPHTHALENE	360	187,691	19	190	µg/Kg	07/22/02	ATCA	
AVMAT1	0.5	02AVMA01SL	PHENANTHRENE	4,200	--	41	190	µg/Kg	07/22/02	ATCA	

TABLE C-7
 Data Summary of Hits for the AVMA Trench 1
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT1	0.5	02AVMA01SL	PYRENE	3,100		2.91E+07	39	190	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	2-METHYLNAPHTHALENE	83 J	--		46	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	ANTHRACENE	47 J		1.00E+08	37	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	BENZO(a)ANTHRACENE	81 J		2,110	37	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	BENZO(a)PYRENE	69 J		211	30	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	BENZO(b)FLUORANTHENE	49 J		2,110	26	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	BENZO(g,h,i)PERYLENE	47 J	--		39	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	bis(2-ETHYLHEXYL) PHTHALATE	79 J		123,121	34	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	CHRYSENE	92 J		210,962	37	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	DI-n-BUTYL PHTHALATE	75 BJ		6.16E+07	43	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	FLUORANTHENE	110 J		2.20E+07	41	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	FLUORENE	60 J		2.63E+07	37	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	NAPHTHALENE	64 J		187,691	17	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	PHENANTHRENE	340	--		37	170	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	PYRENE	240		2.91E+07	34	170	µg/Kg	07/22/02	ATCA
AVMAT1	16	02AVMA04SL	DI-n-BUTYL PHTHALATE	470 B		6.16E+07	60	240	µg/Kg	07/22/02	ATCA
VOC (SW8260B)											
AVMAT1	0.5	02AVMA01SL	ACETONE	140 JB		6.04E+06	39	120	µg/Kg	07/22/02	ATCA
AVMAT1	0.5	02AVMA01SL	METHYLENE CHLORIDE	200 B		20,527	39	120	µg/Kg	07/22/02	ATCA
AVMAT1	0.5	02AVMA01SL	NAPHTHALENE	26 B		187,691	3.2	16	µg/Kg	07/22/02	ATCA
AVMAT1	0.5	02AVMA01SL	XYLENES, m & p	18		420,000	4.8	16	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	1,2,4-TRIMETHYLBENZENE	19		170,272	2.1	6.9	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	7.9 J		69,712	3.2	9.5	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	ACETONE	69 JB		6.04E+06	16	49	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	ETHYLBENZENE	8.2		19,528	2.6	7.8	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	METHYLENE CHLORIDE	130 B		20,527	16	49	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	NAPHTHALENE	830		187,691	1.3	6.9	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	O-XYLENE (1,2-DIMETHYLBENZENE)	10 J		420,000	3.8	12	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	STYRENE	11		1.70E+06	2.2	6.9	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	TOLUENE	15		520,000	3.4	10	µg/Kg	07/22/02	ATCA
AVMAT1	3.5	02AVMA02SL	XYLENES, m & p	18		420,000	2.1	6.9	µg/Kg	07/22/02	ATCA
AVMAT1	8	02AVMA03SL	ACETONE	130 JB		6.04E+06	19	58	µg/Kg	07/22/02	ATCA
AVMAT1	8	02AVMA03SL	METHYLENE CHLORIDE	41 JB		20,527	19	58	µg/Kg	07/22/02	ATCA
AVMAT1	8	02AVMA03SL	NAPHTHALENE	190 B		187,691	1.6	8.1	µg/Kg	07/22/02	ATCA
AVMAT1	8	02AVMA03SL	P-CYMENE (p-ISOPROPYLTOLUENE)	9.2		--	1.8	8.1	µg/Kg	07/22/02	ATCA
AVMAT1	16	02AVMA04SL	ACETONE	270 JB		6.04E+06	44	130	µg/Kg	07/22/02	ATCA
AVMAT1	16	02AVMA04SL	METHYLENE CHLORIDE	110 JB		20,527	44	130	µg/Kg	07/22/02	ATCA
AVMAT1	16	02AVMA04SL	NAPHTHALENE	75 B		187,691	3.6	18	µg/Kg	07/22/02	ATCA

TABLE C-8
Data Summary of Hits for the AVMA Trench 2
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT2	0.5	02AVMA06SL	DIESEL RANGE ORGANICS	370	--	39	250	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	DIESEL RANGE ORGANICS	82	--	0.75	4.8	mg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	DIESEL RANGE ORGANICS	40	--	5.1	33	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	DIESEL RANGE ORGANICS	35	--	1.6	10	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA09SL	DIESEL RANGE ORGANICS	8.7 J	--	1.5	9.4	mg/Kg	07/23/02	ATCA	FD
AVMAT2	20	02AVMA12SL	DIESEL RANGE ORGANICS	7.8	--	0.95	6.2	mg/Kg	07/23/02	ATCA	
AVMAT2	21	02AVMA05SL	DIESEL RANGE ORGANICS	1.4 J	--	0.70	4.5	mg/Kg	07/22/02	ATCA	
GRO (AK101)											
AVMAT2	0.5	02AVMA06SL	GASOLINE RANGE ORGANICS	0.43 J	--	0.34	2.4	mg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	GASOLINE RANGE ORGANICS	1.3 J	--	0.98	7.0	mg/Kg	07/23/02	ATCA	
METAL (SW6000/7000)											
AVMAT2	0.5	02AVMA06SL	ALUMINUM	20,000	100,000	1.4	7.6	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	ANTIMONY	0.57 JB	409	0.089	0.52	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BARIUM	90	66,577	0.11	0.38	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BERYLLIUM	0.40	1,941	0.019	0.19	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	CADMIUM	0.98	451	0.067	0.76	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	CALCIUM	6,000	--	1.1	13	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	CHROMIUM, TOTAL	38	448	0.30	1.9	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	COBALT	12	1,921	0.40	2.9	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	COPPER	29	40,877	0.18	0.57	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	IRON	34,000	100,000	0.42	5.7	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	LEAD	36	750	1.8	5.7	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	MAGNESIUM	8,900	--	2.4	9.5	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	MANGANESE	580	19,458	0.029	0.95	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	MERCURY	0.064 B	307	0.0010	0.042	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	NICKEL	35	20,439	1.2	3.8	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	POTASSIUM	960	--	25	95	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	SELENIUM	7.2 BJ	5,110	1.5	9.5	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	SODIUM	250 J	--	30	290	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	VANADIUM	69	7,154	0.26	0.95	mg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	ZINC	73	100,000	0.076	0.57	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ALUMINUM	22,000	100,000	1.3	6.9	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ANTIMONY	0.36 J	409	0.080	0.47	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ARSENIC	4.4 J	1.6	1.0	11	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	BARIUM	97	66,577	0.10	0.34	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	BERYLLIUM	0.40	1,941	0.017	0.17	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	CADMIUM	0.88	451	0.060	0.69	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	CALCIUM	5,200	--	1.0	12	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	CHROMIUM, TOTAL	36	448	0.27	1.7	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	COBALT	12	1,921	0.36	2.6	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	COPPER	25	40,877	0.16	0.52	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	IRON	34,000	100,000	0.38	5.2	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	LEAD	13	750	1.6	5.2	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	MAGNESIUM	7,900	--	2.2	8.6	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	MANGANESE	540	19,458	0.026	0.86	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	MERCURY	0.042 BJ	307	0.0013	0.052	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	NICKEL	35	20,439	1.1	3.4	mg/Kg	07/22/02	ATCA	

TABLE C-8
Data Summary of Hits for the AVMA Trench 2
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT2	4	02AVMA07SL	POTASSIUM	700	--	22	86	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	SELENIUM	6.6 BJ	5,110	1.4	8.6	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	SODIUM	150 J	--	27	260	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	VANADIUM	69	7,154	0.23	0.86	mg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ZINC	63	100,000	0.069	0.52	mg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	ALUMINUM	22,000	100,000	1.2	6.6	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	ANTIMONY	0.21 JB	409	0.076	0.44	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	ARSENIC	3.3 J	1.6	0.99	11	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	BARIUM	160	66,577	0.097	0.33	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	BERYLLIUM	0.35	1,941	0.016	0.16	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	CADMIUM	0.71	451	0.058	0.66	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	CALCIUM	4,100	--	0.99	12	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	CHROMIUM, TOTAL	26	448	0.25	1.6	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	COBALT	7.6	1,921	0.35	2.5	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	COPPER	18 J	40,877	0.16	0.49	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	IRON	27,000	100,000	0.36	4.9	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	LEAD	7.2	750	1.6	4.9	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	MAGNESIUM	3,400	--	2.1	8.2	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	MANGANESE	340	19,458	0.025	0.82	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	MERCURY	0.042 J	307	0.0018	0.075	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	NICKEL	16	20,439	1.1	3.3	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	POTASSIUM	630	--	21	82	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	SELENIUM	5.4 BJ	5,110	1.3	8.2	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	SODIUM	310	--	25	250	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	VANADIUM	75 J	7,154	0.22	0.82	mg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	ZINC	52 J	100,000	0.066	0.49	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ALUMINUM	45,000	100,000	1.1	5.8	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ANTIMONY	0.17 JB	409	0.068	0.39	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ARSENIC	25	1.6	0.87	9.5	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	BARIUM	250	66,577	0.086	0.29	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	BERYLLIUM	1.1	1,941	0.015	0.15	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	CADMIUM	2.0	451	0.051	0.58	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	CALCIUM	9,800	--	0.87	10	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	CHROMIUM, TOTAL	84	448	0.23	1.5	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	COBALT	46	1,921	0.31	2.2	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	COPPER	120 J	40,877	0.14	0.44	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	IRON	83,000	100,000	1.6	22	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	LEAD	20	750	1.4	4.4	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	MAGNESIUM	18,000	--	1.8	7.3	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	MANGANESE	1,700	19,458	0.022	0.73	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	MERCURY	0.22	307	0.0014	0.060	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	NICKEL	140	20,439	0.94	2.9	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	POTASSIUM	2,700	--	19	73	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	SELENIUM	11 B	5,110	1.2	7.3	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	SODIUM	270	--	23	220	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	VANADIUM	120 J	7,154	0.20	0.73	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ZINC	140 J	100,000	0.058	0.44	mg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA09SL	ALUMINUM	40,000	100,000	0.99	5.3	mg/Kg	07/23/02	ATCA	FD

TABLE C-8
Data Summary of Hits for the AVMA Trench 2
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT2	13	02AVMA09SL	ANTIMONY	0.31 JB	409	0.062	0.36	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	ARSENIC	22	1.6	0.79	8.6	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	BARIUM	230	66,577	0.078	0.26	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	BERYLLIUM	1.0	1,941	0.013	0.13	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	CADMIUM	2.0	451	0.046	0.53	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	CALCIUM	10,000	--	0.79	9.3	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	CHROMIUM, TOTAL	76	448	0.21	1.3	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	COBALT	46	1,921	0.28	2.0	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	COPPER	130 J	40,877	0.13	0.40	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	IRON	77,000	100,000	1.5	20	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	LEAD	21	750	1.3	4.0	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	MAGNESIUM	19,000	--	1.7	6.6	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	MANGANESE	2,100	19,458	0.020	0.66	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	MERCURY	0.28	307	0.0014	0.057	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	NICKEL	130	20,439	0.85	2.6	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	POTASSIUM	2,700	--	17	66	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	SELENIUM	7.7 B	5,110	1.1	6.6	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	SODIUM	300	--	21	200	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	THALLIUM	0.074 J,GQ	67	0.073	0.32	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	VANADIUM	110 J	7,154	0.18	0.66	mg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	ZINC	160 J	100,000	0.053	0.40	mg/Kg	07/23/02	ATCA	FD
AVMAT2	20	02AVMA12SL	ALUMINUM	16,000	100,000	0.94	5.0	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	ANTIMONY	0.18 JB	409	0.059	0.34	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	ARSENIC	2.1 J	1.6	0.76	8.2	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	BARIUM	94	66,577	0.075	0.25	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	BERYLLIUM	0.32	1,941	0.013	0.13	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	CADMIUM	0.75	451	0.044	0.50	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	CALCIUM	6,300	--	0.76	8.8	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	CHROMIUM, TOTAL	34	448	0.20	1.3	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	COBALT	9.7	1,921	0.26	1.9	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	COPPER	26 J	40,877	0.12	0.38	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	IRON	28,000	100,000	0.28	3.8	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	LEAD	5.9	750	1.2	3.8	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	MAGNESIUM	8,700	--	1.6	6.3	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	MANGANESE	700	19,458	0.019	0.63	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	MERCURY	0.051	307	0.0012	0.049	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	NICKEL	31	20,439	0.81	2.5	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	POTASSIUM	1,400	--	16	63	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	SELENIUM	4.4 BJ	5,110	1.0	6.3	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	SODIUM	290	--	20	190	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	VANADIUM	53 J	7,154	0.17	0.63	mg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	ZINC	53 J	100,000	0.050	0.38	mg/Kg	07/23/02	ATCA	
AVMAT2	21	02AVMA05SL	ALUMINUM	18,000	100,000	0.60	3.2	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	ANTIMONY	0.12 J	409	0.038	0.22	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	ARSENIC	1.9 J	1.6	0.48	5.2	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	BARIUM	67	66,577	0.048	0.16	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	BERYLLIUM	0.39	1,941	0.0081	0.081	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	CADMIUM	0.92	451	0.028	0.32	mg/Kg	07/22/02	ATCA	

TABLE C-8
Data Summary of Hits for the AVMA Trench 2
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT2	21	02AVMA05SL	CALCIUM	5,500	--	0.48	5.6	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	CHROMIUM, TOTAL	41	448	0.13	0.81	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	COBALT	13	1,921	0.17	1.2	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	COPPER	37	40,877	0.077	0.24	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	IRON	36,000	100,000	0.35	4.8	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	LEAD	3.4	750	0.77	2.4	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	MAGNESIUM	11,000	--	1.0	4.0	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	MANGANESE	660	19,458	0.012	0.40	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	MERCURY	0.068 B	307	0.0012	0.050	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	NICKEL	43	20,439	0.52	1.6	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	POTASSIUM	1,100	--	10	40	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	SELENIUM	5.4 B	5,110	0.65	4.0	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	SODIUM	120	--	13	120	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	VANADIUM	57	7,154	0.11	0.40	mg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	ZINC	61	100,000	0.032	0.24	mg/Kg	07/22/02	ATCA	
PESTICIDE (SW8081)											
AVMAT2	0.5	02AVMA06SL	ALPHA-CHLORDANE	0.40 J	6,468	0.30	2.3	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.77 J	1,258	0.55	4.2	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	ENDRIN KETONE	0.32 J	--	0.23	1.3	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	METHOXYCHLOR	2.5 J	3.08E+06	1.3	10	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	p,p'-DDD	8.2	9,951	0.43	3.2	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	p,p'-DDE	7.1	7,025	0.25	1.9	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	p,p'-DDT	14	7,025	0.62	4.5	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.54 J	359	0.32	2.4	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ALPHA-CHLORDANE	1.2 J	6,468	0.35	2.6	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.2 J	1,258	0.64	4.8	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	DIELDRIN	2.1 J	108	0.32	2.4	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ENDOSULFAN SULFATE	0.60 J	--	0.23	1.7	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ENDRIN	1.2 J	184,682	0.72	5.3	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	METHOXYCHLOR	3.6 J	3.08E+06	1.6	12	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	p,p'-DDD	15	9,951	0.49	3.7	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	p,p'-DDE	3.0	7,025	0.29	2.2	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	p,p'-DDT	64	7,025	3.6	26	µg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	ENDRIN	1.3 J	184,682	0.99	7.4	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	METHOXYCHLOR	2.9 J	3.08E+06	2.2	16	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	p,p'-DDD	23	9,951	0.68	5.1	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	p,p'-DDE	5.8	7,025	0.40	3.1	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	p,p'-DDT	15	7,025	0.50	3.6	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.41 J	359	0.41	3.1	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ENDRIN ALDEHYDE	2.5 J	--	1.4	11	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	p,p'-DDD	1.5 J	9,951	0.63	4.7	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	p,p'-DDE	0.41 J	7,025	0.37	2.8	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	p,p'-DDT	5.3	7,025	0.46	3.3	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA09SL	ENDRIN	1.0 J	184,682	0.88	6.6	µg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	ENDRIN ALDEHYDE	3.0 J	--	1.4	10	µg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	p,p'-DDE	0.44 J	7,025	0.36	2.7	µg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	p,p'-DDT	6.5	7,025	0.44	3.2	µg/Kg	07/23/02	ATCA	FD
AVMAT2	20	02AVMA12SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.41 J	359	0.28	2.2	µg/Kg	07/23/02	ATCA	

TABLE C-8

DRAFT

Data Summary of Hits for the AVMA Trench 2
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT2	20	02AVMA12SL	p,p'-DDD	1.8 J	9,951	0.44	3.3	µg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	p,p'-DDE	0.37 J	7,025	0.26	2.0	µg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	p,p'-DDT	1.6 J	7,025	0.32	2.3	µg/Kg	07/23/02	ATCA	
AVMAT2	21	02AVMA05SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.46 J	359	0.30	2.3	µg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.68 J	1,258	0.61	4.6	µg/Kg	07/22/02	ATCA	
AVMAT2	21	02AVMA05SL	p,p'-DDD	0.84 J	9,951	0.47	3.5	µg/Kg	07/22/02	ATCA	
SVOC (SW8270C)											
AVMAT2	0.5	02AVMA06SL	ACENAPHTHENE	57 J	2.92E+07	41	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	ANTHRACENE	110 J	1.00E+08	37	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BENZO(a)ANTHRACENE	160 J	2,110	37	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BENZO(a)PYRENE	170	211	31	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BENZO(b)FLUORANTHENE	170	2,110	27	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BENZO(g,h,i)PERYLENE	88 J	--	40	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	BENZO(k)FLUORANTHENE	85 J	21,096	35	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	bis(2-ETHYLHEXYL) PHTHALATE	41 J	123,121	35	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	CHRYSENE	190	210,962	37	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	DI-n-OCTYLPHTHALATE	100 J	2.46E+07	33	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	FLUORANTHENE	260	2.20E+07	42	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	FLUORENE	54 J	2.63E+07	37	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	INDENO(1,2,3-c,d)PYRENE	85 J	2,110	34	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	PHENANTHRENE	360	--	37	170	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	PYRENE	420	2.91E+07	35	170	µg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	DI-n-BUTYL PHTHALATE	560 B	6.16E+07	70	280	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	DI-n-BUTYL PHTHALATE	550 B	6.16E+07	65	260	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA09SL	DI-n-BUTYL PHTHALATE	470 BJ	6.16E+07	130	490	µg/Kg	07/23/02	ATCA	FD
AVMAT2	20	02AVMA12SL	DI-n-BUTYL PHTHALATE	610 B	6.16E+07	91	360	µg/Kg	07/23/02	ATCA	
AVMAT2	21	02AVMA05SL	DI-n-BUTYL PHTHALATE	390	6.16E+07	49	190	µg/Kg	07/22/02	ATCA	
VOC (SW8260B)											
AVMAT2	0.5	02AVMA06SL	ACETONE	40 JB	6.04E+06	21	64	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	METHYLENE CHLORIDE	50 JB	20,527	21	64	µg/Kg	07/22/02	ATCA	
AVMAT2	0.5	02AVMA06SL	TOLUENE	9.7 J	520,000	4.5	13	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	ACETONE	68 JB	6.04E+06	33	99	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	METHYL ETHYL KETONE (2-BUTANONE)	60	2.71E+07	14	42	µg/Kg	07/22/02	ATCA	
AVMAT2	4	02AVMA07SL	METHYLENE CHLORIDE	100 B	20,527	33	99	µg/Kg	07/22/02	ATCA	
AVMAT2	8	02AVMA11SL	ACETONE	1,400 JB	6.04E+06	56	170	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	METHYL ETHYL KETONE (2-BUTANONE)	460	2.71E+07	24	72	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	METHYLENE CHLORIDE	91 JB	20,527	56	170	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	P-CYMENE (p-ISOPROPYLTOLUENE)	450 J	--	5.1	23	µg/Kg	07/23/02	ATCA	
AVMAT2	8	02AVMA11SL	TOLUENE	47 B	520,000	12	35	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	ACETONE	280 JB	6.04E+06	53	160	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	METHYL ETHYL KETONE (2-BUTANONE)	200	2.71E+07	23	68	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA08SL	METHYLENE CHLORIDE	87 JB	20,527	53	160	µg/Kg	07/23/02	ATCA	
AVMAT2	13	02AVMA09SL	ACETONE	230 JB	6.04E+06	45	140	µg/Kg	07/23/02	ATCA	FD
AVMAT2	13	02AVMA09SL	METHYLENE CHLORIDE	99 JB	20,527	45	140	µg/Kg	07/23/02	ATCA	FD
AVMAT2	20	02AVMA12SL	ACETONE	94 JB	6.04E+06	18	53	µg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	METHYL ETHYL KETONE (2-BUTANONE)	78 J	2.71E+07	7.4	22	µg/Kg	07/23/02	ATCA	
AVMAT2	20	02AVMA12SL	METHYLENE CHLORIDE	39 JB	20,527	18	53	µg/Kg	07/23/02	ATCA	
AVMAT2	21	02AVMA05SL	ACETONE	56 JB	6.04E+06	22	65	µg/Kg	07/22/02	ATCA	

TABLE C-8
 Data Summary of Hits for the AVMA Trench 2
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT2	21	02AVMA05SL	METHYLENE CHLORIDE	73 B	20,527	22	65	µg/Kg	07/22/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT3	0.5	02AVMA13SL	DIESEL RANGE ORGANICS	21	--	0.64	4.2	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	DIESEL RANGE ORGANICS	31	--	0.75	4.8	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	DIESEL RANGE ORGANICS	220	--	4.2	27	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	DIESEL RANGE ORGANICS	180	--	6.0	39	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	DIESEL RANGE ORGANICS	56	--	1.3	8.7	mg/Kg	07/23/02	ATCA	
GRO (AK101)											
AVMAT3	0.5	02AVMA13SL	GASOLINE RANGE ORGANICS	1.3 J	--	0.60	4.3	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	GASOLINE RANGE ORGANICS	3.1	--	0.44	3.1	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	GASOLINE RANGE ORGANICS	1.4 J	--	0.32	2.3	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	GASOLINE RANGE ORGANICS	0.49 J	--	0.46	3.3	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	GASOLINE RANGE ORGANICS	0.96 J	--	0.37	2.6	mg/Kg	07/23/02	ATCA	
METAL (SW6000/7000)											
AVMAT3	0.5	02AVMA13SL	ALUMINUM	21,000	100,000	1.6	8.5	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ANTIMONY	0.35 JB	409	0.099	0.57	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ARSENIC	6.7 J	1.6	1.3	14	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BARIUM	120	66,577	0.13	0.42	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BERYLLIUM	0.39	1,941	0.021	0.21	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	CADMIUM	0.88	451	0.074	0.85	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	CALCIUM	5,000	--	1.3	15	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	CHROMIUM, TOTAL	37	448	0.33	2.1	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	COBALT	11	1,921	0.45	3.2	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	COPPER	23 J	40,877	0.20	0.64	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	IRON	33,000	100,000	0.47	6.4	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	LEAD	13	750	2.0	6.4	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	MAGNESIUM	7,700	--	2.7	11	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	MANGANESE	540	19,458	0.032	1.1	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	MERCURY	0.045 J	307	0.0011	0.047	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	NICKEL	34	20,439	1.4	4.2	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	POTASSIUM	840	--	28	110	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	SELENIUM	4.8 BJ	5,110	1.7	11	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	SODIUM	210 J	--	33	320	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	VANADIUM	70 J	7,154	0.29	1.1	mg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ZINC	60 J	100,000	0.085	0.64	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ALUMINUM	21,000	100,000	1.2	6.3	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ANTIMONY	0.32 JB	409	0.073	0.42	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ARSENIC	3.1 J	1.6	0.94	10	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BARIUM	120	66,577	0.093	0.31	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BERYLLIUM	0.44	1,941	0.016	0.16	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	CADMIUM	0.92	451	0.055	0.63	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	CALCIUM	5,900	--	0.94	11	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	CHROMIUM, TOTAL	33	448	0.24	1.6	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	COBALT	11	1,921	0.33	2.3	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	COPPER	23 J	40,877	0.15	0.47	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	IRON	33,000	100,000	0.34	4.7	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	LEAD	32	750	1.5	4.7	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	MAGNESIUM	7,300	--	2.0	7.8	mg/Kg	07/23/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT3	4	02AVMA14SL	MANGANESE	640	19,458	0.023	0.78	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	MERCURY	0.095	307	0.0011	0.044	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	NICKEL	32	20,439	1.0	3.1	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	POTASSIUM	830	--	20	78	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	SELENIUM	5.5 BJ	5,110	1.3	7.8	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	SODIUM	180 J	--	24	230	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	VANADIUM	71 J	7,154	0.21	0.78	mg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ZINC	140 J	100,000	0.063	0.47	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ALUMINUM	18,000	100,000	0.91	4.9	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ANTIMONY	0.33 JB	409	0.057	0.33	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ARSENIC	2.4 J	1.6	0.74	8.0	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BARIUM	85	66,577	0.072	0.25	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BERYLLIUM	0.38	1,941	0.012	0.12	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	CADMIUM	0.88	451	0.043	0.49	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	CALCIUM	6,500	--	0.74	8.6	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	CHROMIUM, TOTAL	41	448	0.19	1.2	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	COBALT	11	1,921	0.26	1.8	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	COPPER	28 J	40,877	0.12	0.37	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	IRON	30,000	100,000	0.27	3.7	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	LEAD	16	750	1.2	3.7	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	MAGNESIUM	8,000	--	1.5	6.1	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	MANGANESE	580	19,458	0.018	0.61	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	MERCURY	0.064	307	0.0012	0.050	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	NICKEL	29	20,439	0.79	2.5	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	POTASSIUM	920	--	16	61	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	SELENIUM	6.3 B	5,110	0.98	6.1	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	SODIUM	320	--	19	180	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	VANADIUM	63 J	7,154	0.17	0.61	mg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ZINC	67 J	100,000	0.049	0.37	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ALUMINUM	22,000	100,000	0.69	3.7	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ANTIMONY	0.17 JB	409	0.043	0.25	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ARSENIC	1.1 J	1.6	0.55	6.0	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BARIUM	110	66,577	0.054	0.18	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BERYLLIUM	0.37	1,941	0.0092	0.092	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	CADMIUM	0.79	451	0.032	0.37	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	CALCIUM	6,500	--	0.55	6.4	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	CHROMIUM, TOTAL	30	448	0.14	0.92	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	COBALT	10	1,921	0.19	1.4	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	COPPER	19 J	40,877	0.087	0.28	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	IRON	27,000	100,000	0.40	5.5	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	LEAD	8.2	750	0.87	2.8	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	MAGNESIUM	6,000	--	1.1	4.6	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	MANGANESE	370	19,458	0.014	0.46	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	MERCURY	0.039 J	307	0.0013	0.053	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	NICKEL	25	20,439	0.59	1.8	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	POTASSIUM	680	--	12	46	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	SELENIUM	5.1 B	5,110	0.74	4.6	mg/Kg	07/23/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT3	20	02AVMA15SL	SODIUM	270	--	14	140	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	VANADIUM	68 J	7,154	0.12	0.46	mg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ZINC	53 J	100,000	0.037	0.28	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ALUMINUM	18,000	100,000	0.86	4.6	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ANTIMONY	0.44 JB	409	0.054	0.31	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ARSENIC	2.8 J	1.6	0.69	7.5	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BARIUM	120	66,577	0.068	0.23	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BERYLLIUM	0.41	1,941	0.012	0.12	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	CADMIUM	1.2	451	0.040	0.46	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	CALCIUM	6,800	--	0.69	8.1	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	CHROMIUM, TOTAL	35	448	0.18	1.2	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	COBALT	16	1,921	0.24	1.7	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	COPPER	31 J	40,877	0.11	0.35	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	IRON	39,000	100,000	0.51	6.9	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	LEAD	6.9	750	1.1	3.5	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	MAGNESIUM	11,000	--	1.4	5.8	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	MANGANESE	2,000	19,458	0.017	0.58	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	MERCURY	0.060	307	0.0013	0.053	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	NICKEL	47	20,439	0.74	2.3	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	POTASSIUM	1,200	--	15	58	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	SELENIUM	2.3 BJ	5,110	0.92	5.8	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	SODIUM	130 J	--	18	170	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	VANADIUM	62 J	7,154	0.16	0.58	mg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ZINC	160 J	100,000	0.046	0.35	mg/Kg	07/23/02	ATCA	
PESTICIDE (SW8081)											
AVMAT3	0.5	02AVMA13SL	ALPHA-CHLORDANE	1.1 J	6,468	0.31	2.3	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.96 J	1,258	0.57	4.3	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.86 J	--	0.47	3.5	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	DIELDRIN	0.36 J	108	0.28	2.2	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ENDOSULFAN SULFATE	0.46 J	--	0.21	1.6	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ENDRIN	2.2 J	184,682	0.64	4.7	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	HEPTACHLOR	1.7 J	383	1.1	8.5	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	HEPTACHLOR EPOXIDE	2.5 J	189	0.64	4.7	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	p,p'-DDD	38 J	9,951	2.2	16	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	p,p'-DDE	39 J	7,025	1.3	9.9	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	p,p'-DDT	240 J	7,025	16	120	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	1.1 J	359	0.30	2.2	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3.3 J	1,258	0.59	4.5	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ENDOSULFAN SULFATE	0.65 J	--	0.21	1.6	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ENDRIN	2.5 J	184,682	0.66	4.9	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	METHOXYCHLOR	3.3 J	3.08E+06	1.4	11	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	p,p'-DDD	2.8 J	9,951	0.46	3.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	p,p'-DDE	2.1	7,025	0.27	2.1	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	p,p'-DDT	23	7,025	1.7	12	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ALDRIN	0.66 J	101	0.41	3.1	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.42 J	359	0.30	2.3	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ALPHA ENDOSULFAN	0.36 J	3.69E+06	0.25	1.9	µg/Kg	07/23/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT3	15	02AVMA16SL	ALPHA-CHLORDANE	1.9 J	6,468	0.33	2.4	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	19 J	1,258	0.60	4.5	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BETA ENDOSULFAN	0.91 J	3.69E+06	0.40	3.0	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ENDOSULFAN SULFATE	1.7 J	--	0.22	1.6	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ENDRIN	41	184,682	0.67	5.0	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	HEPTACHLOR EPOXIDE	2.8 J	189	0.67	5.0	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	p,p'-DDD	61	9,951	4.6	34	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	p,p'-DDE	17	7,025	0.27	2.1	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	p,p'-DDT	85	7,025	3.4	24	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2.0 J	1,258	0.68	5.2	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ENDRIN	2.2 J	184,682	0.76	5.7	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	HEPTACHLOR EPOXIDE	0.98 J	189	0.76	5.7	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	METHOXYCHLOR	2.1 J	3.08E+06	1.7	12	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	p,p'-DDD	45 J	9,951	2.6	20	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	p,p'-DDE	8.3 J	7,025	0.31	2.4	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	p,p'-DDT	96 J	7,025	7.6	56	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.63 J	359	0.31	2.3	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.87 J	1,258	0.61	4.7	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	DIELDRIN	0.40 J	108	0.31	2.3	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ENDRIN	1.2 J	184,682	0.69	5.1	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	p,p'-DDD	6.0 J	9,951	0.47	3.5	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	p,p'-DDE	2.4 J	7,025	0.28	2.1	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	p,p'-DDT	8.7 J	7,025	0.34	2.5	µg/Kg	07/23/02	ATCA	
SVOC (SW8270C)											
AVMAT3	0.5	02AVMA13SL	ANTHRACENE	68 J	1.00E+08	38	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BENZO(a)ANTHRACENE	110 J	2,110	38	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BENZO(a)PYRENE	96 J	211	31	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BENZO(b)FLUORANTHENE	94 J	2,110	28	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	BENZO(g,h,i)PERYLENE	120 J	--	41	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	bis(2-ETHYLHEXYL) PHTHALATE	71 J	123,121	36	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	CHRYSENE	200	210,962	38	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	DI-n-BUTYL PHTHALATE	460 B	6.16E+07	45	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	FLUORANTHENE	140 J	2.20E+07	43	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	INDENO(1,2,3-c,d)PYRENE	43 J	2,110	35	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	PHENANTHRENE	280	--	38	180	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	PYRENE	360	2.91E+07	36	180	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	2-METHYLNAPHTHALENE	350	--	49	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ANTHRACENE	72 J	1.00E+08	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BENZO(a)ANTHRACENE	69 J	2,110	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BENZO(a)PYRENE	51 J	211	33	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BENZO(b)FLUORANTHENE	54 J	2,110	29	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	CHRYSENE	85 J	210,962	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	DI-n-BUTYL PHTHALATE	770 B	6.16E+07	47	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	DIBENZOFURAN	86 J	3.13E+06	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	FLUORANTHENE	150 J	2.20E+07	45	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	FLUORENE	45 J	2.63E+07	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	NAPHTHALENE	200	187,691	18	190	µg/Kg	07/23/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT3	4	02AVMA14SL	PHENANTHRENE	240	--	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	PYRENE	140 J	2.91E+07	37	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	2-METHYLNAPHTHALENE	1,400	--	50	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ACENAPHTHENE	2,200	2.92E+07	44	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ANTHRACENE	4,000	1.00E+08	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BENZO(a)ANTHRACENE	5,300	2,110	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BENZO(a)PYRENE	4,100	211	33	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BENZO(b)FLUORANTHENE	3,200	2,110	29	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BENZO(g,h,i)PERYLENE	1,700	--	43	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	BENZO(k)FLUORANTHENE	1,400	21,096	38	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	CHRYSENE	5,700	210,962	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	DI-n-BUTYL PHTHALATE	210 B	6.16E+07	48	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	DIBENZ(a,h)ANTHRACENE	610	211	45	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	DIBENZOFURAN	530	3.13E+06	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	FLUORANTHENE	7,000	2.20E+07	45	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	FLUORENE	2,700	2.63E+07	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	INDENO(1,2,3-c,d)PYRENE	1,700	2,110	37	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	NAPHTHALENE	760	187,691	19	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	PHENANTHRENE	15,000	--	40	190	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	PYRENE	16,000	2.91E+07	38	190	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	2-METHYLNAPHTHALENE	120 J	--	57	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ACENAPHTHENE	270	2.92E+07	50	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ANTHRACENE	480	1.00E+08	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BENZO(a)ANTHRACENE	570	2,110	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BENZO(a)PYRENE	520	211	37	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BENZO(b)FLUORANTHENE	450	2,110	33	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BENZO(g,h,i)PERYLENE	230	--	49	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	BENZO(k)FLUORANTHENE	190 J	21,096	43	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	CHRYSENE	690	210,962	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	DI-n-BUTYL PHTHALATE	360 B	6.16E+07	54	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	DIBENZOFURAN	100 J	3.13E+06	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	FLUORANTHENE	1,100	2.20E+07	51	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	FLUORENE	270	2.63E+07	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	INDENO(1,2,3-c,d)PYRENE	250	2,110	41	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	NAPHTHALENE	95 J	187,691	21	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	PHENANTHRENE	1,900	--	46	210	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	PYRENE	1,600	2.91E+07	43	210	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	ANTHRACENE	59 J	1.00E+08	41	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BENZO(a)ANTHRACENE	95 J	2,110	41	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BENZO(a)PYRENE	72 J	211	34	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BENZO(b)FLUORANTHENE	60 J	2,110	30	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	BENZO(k)FLUORANTHENE	45 J	21,096	39	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	CHRYSENE	110 J	210,962	41	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	DI-n-BUTYL PHTHALATE	800 B	6.16E+07	49	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	FLUORANTHENE	150 J	2.20E+07	46	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	PHENANTHRENE	230	--	41	190	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	PYRENE	220	2.91E+07	39	190	µg/Kg	07/23/02	ATCA	

TABLE C-9
Data Summary of Hits for the AVMA Trench 3
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
VOC (SW8260B)											
AVMAT3	0.5	02AVMA13SL	1,2,4-TRIMETHYLBENZENE	85	170,272	3.0	9.8	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	13 J	69,712	4.5	14	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ACETONE	260 JB	6.04E+06	24	71	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ETHYLBENZENE	38	19,528	3.7	11	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	ISOPROPYLBENZENE (CUMENE)	12	520,798	1.6	9.8	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	METHYL ETHYL KETONE (2-BUTANONE)	130	2.71E+07	10	30	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	METHYLENE CHLORIDE	62 JB	20,527	24	71	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	NAPHTHALENE	60	187,691	1.9	9.8	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	O-XYLENE (1,2-DIMETHYLBENZENE)	97	420,000	5.5	17	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	P-CYMENE (p-ISOPROPYLTOLUENE)	36 J	--	2.2	9.8	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	TOLUENE	62 B	520,000	4.9	15	µg/Kg	07/23/02	ATCA	
AVMAT3	0.5	02AVMA13SL	XYLENES, m & p	140	420,000	3.0	9.8	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	1,2,4-TRIMETHYLBENZENE	78	170,272	2.8	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	18	69,712	4.3	13	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	BENZENE	24	1,315	3.4	10	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ETHYLBENZENE	39	19,528	3.6	11	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	ISOPROPYLBENZENE (CUMENE)	11	520,798	1.5	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	METHYL ETHYL KETONE (2-BUTANONE)	160	2.71E+07	9.6	29	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	METHYLENE CHLORIDE	56 JB	20,527	23	68	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	n-BUTYLBENZENE	11	240,000	1.8	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	NAPHTHALENE	58	187,691	1.8	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	O-XYLENE (1,2-DIMETHYLBENZENE)	69	420,000	5.3	16	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	P-CYMENE (p-ISOPROPYLTOLUENE)	33 J	--	2.1	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	TETRACHLOROETHYLENE(PCE)	530	3,422	2.3	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	TOLUENE	120 B	520,000	4.7	14	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	TRICHLOROETHYLENE (TCE)	27 J	115	4.9	15	µg/Kg	07/23/02	ATCA	
AVMAT3	4	02AVMA14SL	XYLENES, m & p	140	420,000	2.8	9.4	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	1,2,4-TRIMETHYLBENZENE	8.9	170,272	2.7	8.9	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ACETONE	170 JB	6.04E+06	21	64	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	ETHYLBENZENE	9.6 J	19,528	3.4	10	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	METHYL ETHYL KETONE (2-BUTANONE)	86	2.71E+07	9.1	27	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	METHYLENE CHLORIDE	41 JB	20,527	21	64	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	NAPHTHALENE	62	187,691	1.7	8.9	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	O-XYLENE (1,2-DIMETHYLBENZENE)	9.3 J	420,000	5.0	15	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	P-CYMENE (p-ISOPROPYLTOLUENE)	76 J	--	2.0	8.9	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	TETRACHLOROETHYLENE(PCE)	19	3,422	2.1	8.9	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	TOLUENE	36 B	520,000	4.5	13	µg/Kg	07/23/02	ATCA	
AVMAT3	15	02AVMA16SL	XYLENES, m & p	25	420,000	2.7	8.9	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	ACETONE	210 JB	6.04E+06	27	82	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	METHYL ETHYL KETONE (2-BUTANONE)	150	2.71E+07	12	35	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	METHYLENE CHLORIDE	63 JB	20,527	27	82	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	NAPHTHALENE	15	187,691	2.2	11	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	P-CYMENE (p-ISOPROPYLTOLUENE)	42 J	--	2.5	11	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	TOLUENE	13 JB	520,000	5.7	17	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	TRICHLOROETHYLENE (TCE)	13 J	115	5.9	18	µg/Kg	07/23/02	ATCA	
AVMAT3	20	02AVMA15SL	XYLENES, m & p	12	420,000	3.4	11	µg/Kg	07/23/02	ATCA	

TABLE C-9
 Data Summary of Hits for the AVMA Trench 3
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT3	22	02AVMA17SL	1,2,4-TRIMETHYLBENZENE	19	170,272	2.6	8.8	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.8 J	69,712	4.0	12	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	METHYLENE CHLORIDE	55 JB	20,527	21	63	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	NAPHTHALENE	15	187,691	1.7	8.8	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	P-CYMENE (p-ISOPROPYLTOLUENE)	27 J	--	1.9	8.8	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	TETRACHLOROETHYLENE(PCE)	13	3,422	2.1	8.8	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	TOLUENE	8.8 JB	520,000	4.4	13	µg/Kg	07/23/02	ATCA	
AVMAT3	22	02AVMA17SL	XYLENES, m & p	12	420,000	2.6	8.8	µg/Kg	07/23/02	ATCA	

TABLE C-10
Data Summary of Hits for the AVMA Trench 4
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT4	0.5	02AVMA18SL	DIESEL RANGE ORGANICS	7.8	--	0.65	4.2	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	DIESEL RANGE ORGANICS	0.78 JB	--	0.62	4.0	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	DIESEL RANGE ORGANICS	1.7 JB	--	0.63	4.1	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA20SL	DIESEL RANGE ORGANICS	1.2 JB	--	0.62	4.0	mg/Kg	07/24/02	ATCA	FD
GRO (AK101)											
AVMAT4	15	02AVMA22SL	GASOLINE RANGE ORGANICS	0.39 J	--	0.36	2.6	mg/Kg	07/24/02	ATCA	
METAL (SW6000/7000)											
AVMAT4	0.5	02AVMA18SL	ALUMINUM	26,000	100,000	1.5	7.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	ANTIMONY	0.59 J	409	0.092	0.53	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	ARSENIC	3.7 J	1.6	1.2	13	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	BARIUM	93	66,577	0.12	0.39	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	BERYLLIUM	0.54	1,941	0.020	0.20	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	CADMIUM	0.84	451	0.069	0.79	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	CALCIUM	5,400	--	1.2	14	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	CHROMIUM, TOTAL	42	448	0.31	2.0	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	COBALT	13	1,921	0.41	3.0	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	COPPER	27	40,877	0.19	0.59	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	IRON	34,000	100,000	0.43	5.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	LEAD	6.0	750	1.9	5.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	MAGNESIUM	8,800	--	2.5	9.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	MANGANESE	510	19,458	0.030	0.99	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	MERCURY	0.047 J	307	0.0012	0.049	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	NICKEL	36	20,439	1.3	3.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	POTASSIUM	740	--	26	99	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	SELENIUM	3.6 J	5,110	1.6	9.9	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	SODIUM	150 J	--	31	300	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	VANADIUM	76	7,154	0.27	0.99	mg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	ZINC	57	100,000	0.079	0.59	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	ALUMINUM	22,000	100,000	1.4	7.8	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	ANTIMONY	0.56 J	409	0.090	0.52	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	ARSENIC	11 J	1.6	1.2	13	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	BARIUM	49	66,577	0.11	0.39	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	BERYLLIUM	0.52	1,941	0.019	0.19	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	CADMIUM	1.0	451	0.068	0.78	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	CALCIUM	8,200	--	1.2	14	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	CHROMIUM, TOTAL	37	448	0.30	1.9	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	COBALT	14	1,921	0.41	2.9	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	COPPER	32	40,877	0.18	0.58	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	IRON	41,000	100,000	0.43	5.8	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	LEAD	4.6 J	750	1.8	5.8	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	MAGNESIUM	13,000	--	2.4	9.7	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	MANGANESE	850	19,458	0.029	0.97	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	MERCURY	0.075	307	0.0011	0.047	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	NICKEL	45	20,439	1.2	3.9	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	POTASSIUM	920	--	25	97	mg/Kg	07/24/02	ATCA	

TABLE C-10
Data Summary of Hits for the AVMA Trench 4
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT4	3	02AVMA23SL	SODIUM	100 J	--	30	290	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	VANADIUM	80	7,154	0.26	0.97	mg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	ZINC	67	100,000	0.078	0.58	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	ALUMINUM	22,000	100,000	1.5	8.2	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	ANTIMONY	0.33 J	409	0.095	0.55	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	BARIUM	63	66,577	0.12	0.41	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	BERYLLIUM	0.51	1,941	0.020	0.20	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	CADMIUM	0.94	451	0.071	0.82	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	CALCIUM	9,000	--	1.2	14	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	CHROMIUM, TOTAL	40	448	0.32	2.0	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	COBALT	13	1,921	0.43	3.1	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	COPPER	28	40,877	0.19	0.61	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	IRON	37,000	100,000	0.45	6.1	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	LEAD	3.0 J	750	1.9	6.1	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	MAGNESIUM	13,000	--	2.5	10	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	MANGANESE	660	19,458	0.031	1.0	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	MERCURY	0.042 J	307	0.0011	0.044	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	NICKEL	47	20,439	1.3	4.1	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	POTASSIUM	1,000	--	27	100	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	SELENIUM	2.4 J	5,110	1.6	10	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	SODIUM	120 J	--	32	310	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	VANADIUM	79	7,154	0.28	1.0	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	ZINC	64	100,000	0.082	0.61	mg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA20SL	ALUMINUM	16,000	100,000	1.4	7.8	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	ANTIMONY	0.43 J	409	0.090	0.52	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	ARSENIC	1.6 J	1.6	1.2	13	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	BARIUM	34	66,577	0.11	0.39	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	BERYLLIUM	0.33	1,941	0.019	0.19	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	CADMIUM	0.65 J	451	0.068	0.78	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	CALCIUM	6,500	--	1.2	14	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	CHROMIUM, TOTAL	24	448	0.30	1.9	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	COBALT	9.7	1,921	0.41	2.9	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	COPPER	25	40,877	0.18	0.58	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	IRON	29,000	100,000	0.43	5.8	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	LEAD	3.3 J	750	1.8	5.8	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	MAGNESIUM	8,800	--	2.4	9.7	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	MANGANESE	540	19,458	0.029	0.97	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	MERCURY	0.039 J	307	0.0010	0.040	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	NICKEL	33	20,439	1.2	3.9	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	POTASSIUM	870	--	25	97	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	SELENIUM	2.8 J	5,110	1.6	9.7	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	SODIUM	84 J	--	30	290	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	VANADIUM	57	7,154	0.26	0.97	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	ZINC	51	100,000	0.078	0.58	mg/Kg	07/24/02	ATCA	FD
AVMAT4	4.5	02AVMA24SL	ALUMINUM	16,000	100,000	0.92	4.9	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	ANTIMONY	0.23 J	409	0.057	0.33	mg/Kg	07/24/02	ATCA	

TABLE C-10
Data Summary of Hits for the AVMA Trench 4
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT4	4.5	02AVMA24SL	ARSENIC	1.0 J	1.6	0.74	8.0	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	BARIUM	37	66,577	0.073	0.25	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	BERYLLIUM	0.35	1,941	0.012	0.12	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	CADMIUM	0.75	451	0.043	0.49	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	CALCIUM	7,500	--	0.74	8.6	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	CHROMIUM, TOTAL	28	448	0.19	1.2	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	COBALT	11	1,921	0.26	1.8	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	COPPER	27	40,877	0.12	0.37	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	IRON	30,000	100,000	0.27	3.7	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	LEAD	3.7	750	1.2	3.7	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	MAGNESIUM	9,300	--	1.5	6.2	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	MANGANESE	510	19,458	0.018	0.62	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	MERCURY	0.041 J	307	0.0010	0.043	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	NICKEL	31	20,439	0.79	2.5	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	POTASSIUM	760	--	16	62	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	SELENIUM	3.2 J	5,110	0.99	6.2	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	SODIUM	82 J	--	19	180	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	VANADIUM	57	7,154	0.17	0.62	mg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	ZINC	60	100,000	0.049	0.37	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	ALUMINUM	17,000	100,000	0.82	4.4	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	ANTIMONY	0.070 J	409	0.051	0.30	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	ARSENIC	1.2 J	1.6	0.66	7.1	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	BARIUM	45	66,577	0.065	0.22	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	BERYLLIUM	0.34	1,941	0.011	0.11	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	CADMIUM	0.79	451	0.039	0.44	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	CALCIUM	6,900	--	0.66	7.7	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	CHROMIUM, TOTAL	34	448	0.17	1.1	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	COBALT	9.9	1,921	0.23	1.6	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	COPPER	26	40,877	0.10	0.33	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	IRON	32,000	100,000	0.48	6.6	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	LEAD	3.5	750	1.0	3.3	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	MAGNESIUM	10,000	--	1.4	5.5	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	MANGANESE	530	19,458	0.017	0.55	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	MERCURY	0.080	307	0.0011	0.045	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	NICKEL	32	20,439	0.71	2.2	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	POTASSIUM	810	--	14	55	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	SELENIUM	3.3 J	5,110	0.88	5.5	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	SODIUM	84 J	--	17	160	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	VANADIUM	57	7,154	0.15	0.55	mg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	ZINC	56	100,000	0.044	0.33	mg/Kg	07/24/02	ATCA	
PESTICIDE (SW8081)											
AVMAT4	0.5	02AVMA18SL	ENDOSULFAN SULFATE	0.23 J	--	0.21	1.6	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	ENDRIN ALDEHYDE	2.8 J	--	0.99	7.4	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	p,p'-DDD	0.76 J	9,951	0.44	3.3	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	p,p'-DDE	1.8 J	7,025	0.26	2.0	µg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	ENDRIN ALDEHYDE	1.5 J	--	0.95	7.1	µg/Kg	07/24/02	ATCA	

TABLE C-10
Data Summary of Hits for the AVMA Trench 4
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT4	4	02AVMA19SL	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.57 J	1,258	0.55	4.2	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	ENDRIN ALDEHYDE	1.8 J	--	0.96	7.2	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA20SL	ENDRIN ALDEHYDE	1.6 J	--	0.95	7.1	µg/Kg	07/24/02	ATCA	FD
AVMAT4	4.5	02AVMA24SL	ENDRIN ALDEHYDE	1.3 J	--	0.94	7.0	µg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	ENDRIN ALDEHYDE	2.1 J	--	0.96	7.2	µg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	p,p'-DDT	0.62 J	7,025	0.31	2.3	µg/Kg	07/24/02	ATCA	
SVOC (SW8270C)											
AVMAT4	0.5	02AVMA18SL	DI-n-BUTYL PHTHALATE	150 BJ	6.16E+07	46	180	µg/Kg	07/24/02	ATCA	
AVMAT4	3	02AVMA23SL	DI-n-BUTYL PHTHALATE	140 BJ	6.16E+07	44	170	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	DI-n-BUTYL PHTHALATE	78 BJ	6.16E+07	44	170	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA20SL	DI-n-BUTYL PHTHALATE	200 B	6.16E+07	44	170	µg/Kg	07/24/02	ATCA	FD
AVMAT4	4.5	02AVMA24SL	DI-n-BUTYL PHTHALATE	310 B	6.16E+07	43	170	µg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	DI-n-BUTYL PHTHALATE	480 B	6.16E+07	44	170	µg/Kg	07/24/02	ATCA	
VOC (SW8260B)											
AVMAT4	0.5	02AVMA18SL	ACETONE	33 JB	6.04E+06	29	88	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	HEXACHLOROBUTADIENE	24 JB	22,099	10	30	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	METHYL ETHYL KETONE (2-BUTANONE)	58 J	2.71E+07	12	37	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	METHYLENE CHLORIDE	130 JB	20,527	29	88	µg/Kg	07/24/02	ATCA	
AVMAT4	0.5	02AVMA18SL	XYLENES, m & p	13 J	420,000	3.7	12	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	ETHYLBENZENE	14 J	19,528	4.8	14	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	METHYLENE CHLORIDE	480 JB	20,527	30	91	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	TETRACHLOROETHYLENE(PCE)	14 J	3,422	3.0	13	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	TOLUENE	31 JB	520,000	6.3	19	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA19SL	XYLENES, m & p	26 J	420,000	3.8	13	µg/Kg	07/24/02	ATCA	
AVMAT4	4	02AVMA20SL	METHYL ETHYL KETONE (2-BUTANONE)	65 J	2.71E+07	12	36	µg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	METHYLENE CHLORIDE	140 JB	20,527	28	84	µg/Kg	07/24/02	ATCA	FD
AVMAT4	4	02AVMA20SL	XYLENES, m & p	12 J	420,000	3.5	12	µg/Kg	07/24/02	ATCA	FD
AVMAT4	4.5	02AVMA24SL	METHYLENE CHLORIDE	150 JB	20,527	31	92	µg/Kg	07/24/02	ATCA	
AVMAT4	4.5	02AVMA24SL	TOLUENE	17 JB	520,000	6.4	19	µg/Kg	07/24/02	ATCA	
AVMAT4	15	02AVMA22SL	METHYLENE CHLORIDE	72 JB	20,527	15	44	µg/Kg	07/24/02	ATCA	

TABLE C-11
Data Summary of Hits for the AVMA Trench 5
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT5	15	OUE02T5LS01	DIESEL RANGE ORGANICS	25	--	0.71	4.6	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	DIESEL RANGE ORGANICS	2.3 JB	--	0.64	4.1	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	DIESEL RANGE ORGANICS	2.3 JB	--	0.65	4.2	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	DIESEL RANGE ORGANICS	2.8 JB	--	0.69	4.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	DIESEL RANGE ORGANICS	2.1 JB	--	0.66	4.3	mg/Kg	08/19/02	ATCA	
GRO (AK101)											
AVMAT5	15	OUE02T5LS01	GASOLINE RANGE ORGANICS	0.48 J	--	0.24	1.7	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	GASOLINE RANGE ORGANICS	0.67 J	--	0.31	2.2	mg/Kg	08/19/02	ATCA	
METAL (SW6000/7000)											
AVMAT5	15	OUE02T5LS01	ALUMINUM	21,000	100,000	1.4	7.4	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	ANTIMONY	0.53 GQ,B	409	0.086	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	ARSENIC	4.1 J	1.6	1.1	12	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	BARIIUM	540	66,577	0.11	0.37	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	BERYLLIUM	0.56	1,941	0.018	0.18	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	CADMIUM	0.85	451	0.065	0.74	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	CALCIUM	9,700	--	1.1	13	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	CHROMIUM, TOTAL	38	448	0.17	0.89	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	COBALT	12	1,921	0.39	2.8	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	COPPER	30	40,877	0.18	0.55	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	IRON	31,000	100,000	0.41	5.5	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	LEAD	11	750	1.8	5.5	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	MAGNESIUM	8,600	--	2.3	9.2	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	MANGANESE	550	19,458	0.028	0.92	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	MERCURY	0.057	307	0.0011	0.046	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	NICKEL	38	20,439	1.2	3.7	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	POTASSIUM	1,100	--	24	92	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	SELENIUM	4.5 J	5,110	1.5	9.2	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	SODIUM	230 J	--	29	280	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	VANADIUM	81	7,154	0.25	0.92	mg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	ZINC	54	100,000	0.074	0.55	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	ALUMINUM	20,000	100,000	1.2	6.7	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	ANTIMONY	0.37 J,GQ,B	409	0.078	0.45	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	ARSENIC	2.7 J	1.6	1.0	11	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	BARIIUM	71	66,577	0.099	0.33	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	BERYLLIUM	0.41	1,941	0.017	0.17	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	CADMIUM	0.98	451	0.058	0.67	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	CALCIUM	7,800	--	1.0	12	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	CHROMIUM, TOTAL	36	448	0.16	0.86	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	COBALT	13	1,921	0.35	2.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	COPPER	33	40,877	0.16	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	IRON	38,000	100,000	0.37	5.0	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	LEAD	4.3 J	750	1.6	5.0	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	MAGNESIUM	12,000	--	2.1	8.4	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	MANGANESE	710	19,458	0.025	0.84	mg/Kg	08/19/02	ATCA	

TABLE C-11
 Data Summary of Hits for the AVMA Trench 5
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT5	25	OUE02T5LS02	MERCURY	0.060	307	0.0012	0.048	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	NICKEL	42	20,439	1.1	3.3	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	POTASSIUM	1,100	--	22	84	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	SELENIUM	7.2 J	5,110	1.3	8.4	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	SODIUM	110 J	--	26	250	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	VANADIUM	72	7,154	0.23	0.84	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	ZINC	66	100,000	0.067	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	ALUMINIUM	17,000	100,000	0.93	5.0	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	ANTIMONY	0.23 J,GQ,B	409	0.058	0.34	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	ARSENIC	3.8 J	1.6	0.75	8.1	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	BARIUM	56	66,577	0.074	0.25	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	BERYLLIUM	0.36	1,941	0.012	0.12	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	CADMIUM	0.83	451	0.044	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	CALCIUM	6,900	--	0.75	8.7	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	CHROMIUM, TOTAL	36	448	0.16	0.83	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	COBALT	11	1,921	0.26	1.9	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	COPPER	28	40,877	0.12	0.37	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	IRON	35,000	100,000	0.55	7.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	LEAD	4.9	750	1.2	3.7	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	MAGNESIUM	10,000	--	1.6	6.2	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	MANGANESE	480	19,458	0.019	0.62	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	MERCURY	0.057	307	0.0011	0.045	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	NICKEL	36	20,439	0.80	2.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	POTASSIUM	1,000	--	16	62	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	SELENIUM	5.0 J	5,110	1.0	6.2	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	SODIUM	93 J	--	19	190	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	VANADIUM	55	7,154	0.17	0.62	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	ZINC	60	100,000	0.050	0.37	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	ALUMINIUM	20,000	100,000	1.2	6.7	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	ANTIMONY	0.36 J,GQ,B	409	0.078	0.45	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	ARSENIC	3.9 J	1.6	1.0	11	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	BARIUM	84	66,577	0.099	0.33	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	BERYLLIUM	0.48	1,941	0.017	0.17	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	CADMIUM	1.1	451	0.059	0.67	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	CALCIUM	9,200	--	1.0	12	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	CHROMIUM, TOTAL	45	448	0.19	0.98	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	COBALT	13	1,921	0.35	2.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	COPPER	42	40,877	0.16	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	IRON	40,000	100,000	0.37	5.0	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	LEAD	4.0 J	750	1.6	5.0	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	MAGNESIUM	12,000	--	2.1	8.4	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	MANGANESE	660	19,458	0.025	0.84	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	MERCURY	0.075	307	0.0010	0.043	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	NICKEL	47	20,439	1.1	3.3	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	POTASSIUM	1,400	--	22	84	mg/Kg	08/19/02	ATCA	

TABLE C-11
Data Summary of Hits for the AVMA Trench 5
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT5	25	OUE02T5LS04	SELENIUM	7.5 J	5,110	1.3	8.4	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	SODIUM	140 J	--	26	250	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	VANADIUM	77	7,154	0.23	0.84	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	ZINC	72	100,000	0.067	0.50	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	ALUMINIUM	15,000	100,000	1.2	6.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	ANTIMONY	0.26 J,GQ,B	409	0.076	0.44	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	ARSENIC	1.9 J	1.6	0.98	11	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	BARIUM	47	66,577	0.097	0.33	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	BERYLLIUM	0.35	1,941	0.016	0.16	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	CADMIUM	0.78	451	0.057	0.65	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	CALCIUM	7,300	--	0.98	11	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	CHROMIUM, TOTAL	42	448	0.17	0.89	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	COBALT	11	1,921	0.34	2.5	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	COPPER	34	40,877	0.16	0.49	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	IRON	30,000	100,000	0.36	4.9	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	LEAD	7.0	750	1.6	4.9	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	MAGNESIUM	8,600	--	2.0	8.2	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	MANGANESE	510	19,458	0.025	0.82	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	MERCURY	0.059	307	0.0010	0.043	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	NICKEL	32	20,439	1.0	3.3	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	POTASSIUM	1,000	--	21	82	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	SELENIUM	3.3 J	5,110	1.3	8.2	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	SODIUM	85 J	--	25	250	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	VANADIUM	59	7,154	0.22	0.82	mg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	ZINC	58	100,000	0.065	0.49	mg/Kg	08/19/02	ATCA	
PESTICIDE (SW8081)											
AVMAT5	15	OUE02T5LS01	p,p'-DDT	34 GC	7,025	2.6	20	µg/Kg	08/19/02	STL8	
AVMAT5	25	OUE02T5LS02	p,p'-DDT	2.4 GC	7,025	0.26	2.0	µg/Kg	08/19/02	STL8	
SVOC (SW8270C)											
AVMAT5	15	OUE02T5LS01	bis(2-ETHYLHEXYL) PHTHALATE	52 J	123,121	37	190	µg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	DI-n-BUTYL PHTHALATE	670 JB	6.16E+07	47	190	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	BENZYL BUTYL PHTHALATE	41 J	1.00E+08	31	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	bis(2-ETHYLHEXYL) PHTHALATE	190	123,121	35	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	DI-n-BUTYL PHTHALATE	210 JB	6.16E+07	45	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	bis(2-ETHYLHEXYL) PHTHALATE	180	123,121	35	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	DI-n-BUTYL PHTHALATE	210 JB	6.16E+07	45	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	bis(2-ETHYLHEXYL) PHTHALATE	160 J	123,121	36	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	DI-n-BUTYL PHTHALATE	210 JB	6.16E+07	46	180	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	bis(2-ETHYLHEXYL) PHTHALATE	190	123,121	34	170	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	DI-n-BUTYL PHTHALATE	240 JB	6.16E+07	44	170	µg/Kg	08/19/02	ATCA	
VOC (SW8260B)											
AVMAT5	15	OUE02T5LS01	1,2,4-TRIMETHYLBENZENE	8.4 J	170,272	1.6	5.4	µg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	ETHYLBENZENE	5.1 J	19,528	2.1	6.2	µg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	METHYLENE CHLORIDE	21 JB	20,527	13	39	µg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	O-XYLENE (1,2-DIMETHYLBENZENE)	6.2 J	420,000	3.0	9.1	µg/Kg	08/19/02	ATCA	

TABLE C-11
 Data Summary of Hits for the AVMA Trench 5
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT5	15	OUE02T5LS01	TOLUENE	5.7 J	520,000	2.7	8.2	µg/Kg	08/19/02	ATCA	
AVMAT5	15	OUE02T5LS01	XYLENES, m & p	12 J	420,000	1.6	5.4	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	METHYL ETHYL KETONE (2-BUTANONE)	59 B	2.71E+07	6.4	19	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS02	METHYLENE CHLORIDE	28 JB	20,527	15	45	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	METHYL ETHYL KETONE (2-BUTANONE)	62 B	2.71E+07	5.8	17	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS03	METHYLENE CHLORIDE	42 B	20,527	14	41	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	METHYL ETHYL KETONE (2-BUTANONE)	58 B	2.71E+07	5.1	15	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS04	METHYLENE CHLORIDE	20 JB	20,527	12	36	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	METHYLENE CHLORIDE	34 BJ	20,527	12	36	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	TOLUENE	5.1 J	520,000	2.5	7.6	µg/Kg	08/19/02	ATCA	
AVMAT5	25	OUE02T5LS05	XYLENES, m & p	4.9 J	420,000	1.5	5.1	µg/Kg	08/19/02	ATCA	

TABLEC-12

DRAFT

Data Summary of Hits for the AVMA Trench 6
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT6	0.5	OUE02T6LS08	DIESEL RANGE ORGANICS	5.4 J	--	0.78	5.1	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	DIESEL RANGE ORGANICS	2.0 JB	--	0.60	3.9	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS10	DIESEL RANGE ORGANICS	2.9 JB	--	0.65	4.2	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS11	DIESEL RANGE ORGANICS	1.5 JB	--	0.63	4.1	mg/Kg	08/20/02	ATCA	
AVMAT6	15	OUE02T6LS06	DIESEL RANGE ORGANICS	2.2 JB	--	0.61	4.0	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	DIESEL RANGE ORGANICS	2.3 JB	--	0.64	4.1	mg/Kg	08/19/02	ATCA	
GRO (AK101)											
AVMAT6	0.5	OUE02T6LS08	GASOLINE RANGE ORGANICS	0.33 J	--	0.32	2.3	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	GASOLINE RANGE ORGANICS	0.28 J	--	0.20	1.5	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS10	GASOLINE RANGE ORGANICS	0.34 J	--	0.17	1.2	mg/Kg	08/20/02	ATCA	FD
AVMAT6	15	OUE02T6LS06	GASOLINE RANGE ORGANICS	0.22 J	--	0.18	1.3	mg/Kg	08/19/02	ATCA	
METAL (SW6000/7000)											
AVMAT6	0.5	OUE02T6LS08	ALUMINUM	26,100	100,000	1.8	9.4	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	ANTIMONY	0.42 BJ	409	0.11	0.64	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	ARSENIC	5.1 J	1.6	1.4	15	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	BARIIUM	103	66,577	0.14	0.47	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	BERYLLIUM	0.46	1,941	0.024	0.24	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	CADMIUM	1.1	451	0.082	0.94	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	CALCIUM	5,260	--	1.4	17	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	CHROMIUM, TOTAL	40	448	0.21	1.1	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	COBALT	15	1,921	0.49	3.5	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	COPPER	25	40,877	0.22	0.71	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	IRON	39,900	100,000	0.52	7.1	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	LEAD	7.2	750	2.2	7.1	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	MAGNESIUM	8,560	--	2.9	12	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	MANGANESE	739	19,458	0.035	1.2	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	MERCURY	0.047 J	307	0.0014	0.056	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	NICKEL	39	20,439	1.5	4.7	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	POTASSIUM	920	--	31	118	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	SELENIUM	8.3 J	5,110	1.9	12	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	SODIUM	132 J	--	36	353	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	VANADIUM	87	7,154	0.32	1.2	mg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	ZINC	67	100,000	0.094	0.71	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	ALUMINUM	19,800	100,000	0.95	5.1	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	ANTIMONY	0.16 BJ	409	0.059	0.34	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	ARSENIC	3.4 J	1.6	0.76	8.3	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	BARIIUM	61	66,577	0.075	0.25	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	BERYLLIUM	0.44	1,941	0.013	0.13	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	CADMIUM	0.96	451	0.044	0.51	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	CALCIUM	8,170	--	0.76	8.9	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	CHROMIUM, TOTAL	51	448	0.19	1.0	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	COBALT	11	1,921	0.27	1.9	mg/Kg	08/20/02	ATCA	

TABLEC-12

DRAFT

Data Summary of Hits for the AVMA Trench 6
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT6	5	OUE02T6LS09	COPPER	30	40,877	0.12	0.38	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	IRON	36,800	100,000	0.56	7.6	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	LEAD	4.6	750	1.2	3.8	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	MAGNESIUM	11,200	--	1.6	6.4	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	MANGANESE	656	19,458	0.019	0.64	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	MERCURY	0.056	307	0.0010	0.041	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	NICKEL	39	20,439	0.82	2.5	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	POTASSIUM	1,170	--	17	64	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	SELENIUM	6.8	5,110	1.0	6.4	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	SODIUM	110 J	--	20	190	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	VANADIUM	69	7,154	0.17	0.64	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	ZINC	60	100,000	0.051	0.38	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS10	ALUMINUM	22,600	100,000	1.4	7.6	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	ANTIMONY	0.14 BJ	409	0.088	0.51	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	ARSENIC	2.6 J	1.6	1.1	12	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	BARIIUM	64	66,577	0.11	0.38	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	BERYLLIUM	0.56	1,941	0.019	0.19	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	CADMIUM	1.1	451	0.066	0.76	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	CALCIUM	13,300	--	1.1	13	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	CHROMIUM, TOTAL	38	448	0.19	1.0	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	COBALT	12	1,921	0.40	2.9	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	COPPER	31	40,877	0.18	0.57	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	IRON	35,500	100,000	0.42	5.7	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	LEAD	7.8	750	1.8	5.7	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	MAGNESIUM	10,600	--	2.4	9.5	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	MANGANESE	639	19,458	0.029	0.95	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	MERCURY	0.055	307	0.0011	0.044	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	NICKEL	36	20,439	1.2	3.8	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	POTASSIUM	1,100	--	25	95	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	SELENIUM	5.6 J	5,110	1.5	9.5	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	SODIUM	111 J	--	29	285	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	VANADIUM	80	7,154	0.26	0.95	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	ZINC	66	100,000	0.076	0.57	mg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS11	ALUMINUM	22,500	100,000	1.2	6.7	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	ANTIMONY	0.29 BJ	409	0.078	0.45	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	ARSENIC	1.6 J	1.6	1.0	11	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	BARIIUM	60	66,577	0.099	0.33	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	BERYLLIUM	0.51	1,941	0.017	0.17	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	CADMIUM	1.2	451	0.058	0.67	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	CALCIUM	10,800	--	1.0	12	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	CHROMIUM, TOTAL	54	448	0.18	0.93	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	COBALT	13	1,921	0.35	2.5	mg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	COPPER	33	40,877	0.16	0.50	mg/Kg	08/20/02	ATCA	

TABLE-12

DRAFT

Data Summary of Hits for the AVMA Trench 6
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT6	5	OUE02T6LS11	IRON	40,600		100,000	0.37	5.0	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	LEAD	4.9 J	750		1.6	5.0	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	MAGNESIUM	12,300	--		2.1	8.3	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	MANGANESE	698	19,458		0.025	0.83	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	MERCURY	0.051	307		0.0011	0.044	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	NICKEL	40	20,439		1.1	3.3	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	POTASSIUM	1,260	--		22	83	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	SELENIUM	8.3 J	5,110		1.3	8.3	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	SODIUM	125 J	--		26	250	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	VANADIUM	83	7,154		0.23	0.83	mg/Kg	08/20/02	ATCA
AVMAT6	5	OUE02T6LS11	ZINC	68	100,000		0.067	0.50	mg/Kg	08/20/02	ATCA
AVMAT6	15	OUE02T6LS06	ALUMINUM	19,100	100,000		0.76	4.1	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	ANTIMONY	0.13 BJ	409		0.048	0.28	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	ARSENIC	4.4 J	1.6		0.62	6.7	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	BARIUM	60	66,577		0.061	0.21	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	BERYLLIUM	0.42	1,941		0.010	0.10	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	CADMIUM	0.93	451		0.036	0.41	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	CALCIUM	7,730	--		0.62	7.2	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	CHROMIUM, TOTAL	30	448		0.096	0.51	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	COBALT	13	1,921		0.22	1.5	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	COPPER	32	40,877		0.097	0.31	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	IRON	36,100	100,000		0.45	6.2	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	LEAD	4.2	750		0.97	3.1	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	MAGNESIUM	11,700	--		1.3	5.1	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	MANGANESE	603	19,458		0.015	0.51	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	MERCURY	0.050	307		0.0010	0.042	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	NICKEL	48	20,439		0.66	2.1	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	POTASSIUM	1,130	--		13	51	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	SELENIUM	3.3 J	5,110		0.82	5.1	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	SODIUM	112 J	--		16	154	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	VANADIUM	67	7,154		0.14	0.51	mg/Kg	08/19/02	ATCA
AVMAT6	15	OUE02T6LS06	ZINC	61	100,000		0.041	0.31	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	ALUMINUM	15,800	100,000		0.89	4.8	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	ARSENIC	1.6 J	1.6		0.71	7.7	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	BARIUM	55	66,577		0.070	0.24	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	BERYLLIUM	0.34	1,941		0.012	0.12	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	CADMIUM	0.78	451		0.042	0.48	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	CALCIUM	7,970	--		0.71	8.3	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	CHROMIUM, TOTAL	35	448		0.14	0.72	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	COBALT	9.9	1,921		0.25	1.8	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	COPPER	23	40,877		0.11	0.36	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	IRON	29,700	100,000		0.26	3.6	mg/Kg	08/19/02	ATCA
AVMAT6	25	OUE02T6LS07	LEAD	2.9 J	750		1.1	3.6	mg/Kg	08/19/02	ATCA

TABLE-12
Data Summary of Hits for the AVMA Trench 6
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT6	25	OUE02T6LS07	MAGNESIUM	8,390	--	1.5	5.9	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	MANGANESE	505	19,458	0.018	0.59	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	MERCURY	0.059	307	0.0011	0.044	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	NICKEL	30	20,439	0.76	2.4	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	POTASSIUM	933	--	15	59	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	SELENIUM	3.0 J	5,110	0.95	5.9	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	SODIUM	109 J	--	18	178	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	VANADIUM	61	7,154	0.16	0.59	mg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	ZINC	51	100,000	0.048	0.36	mg/Kg	08/19/02	ATCA	
PESTICIDE (SW8081)											
AVMAT6	0.5	OUE02T6LS08	p,p'-DDE	1.2 J,GC	7,025	0.25	2.2	µg/Kg	08/20/02	STL8	
AVMAT6	0.5	OUE02T6LS08	p,p'-DDT	4.6 GC	7,025	0.29	2.2	µg/Kg	08/20/02	STL8	
AVMAT6	15	OUE02T6LS06	p,p'-DDT	2.8 GC	7,025	0.26	2.0	µg/Kg	08/20/02	STL8	
SVOC (SW8270C)											
AVMAT6	0.5	OUE02T6LS08	2-METHYLNAPHTHALENE	770	--	55	210	µg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	bis(2-ETHYLHEXYL) PHTHALATE	73 J	123,121	41	210	µg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	DI-n-BUTYL PHTHALATE	350 JB	6.16E+07	52	210	µg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	NAPHTHALENE	340	187,691	20	210	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	bis(2-ETHYLHEXYL) PHTHALATE	50 J	123,121	34	170	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	DI-n-BUTYL PHTHALATE	570 JB	6.16E+07	44	170	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS10	bis(2-ETHYLHEXYL) PHTHALATE	49 J	123,121	34	170	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	DI-n-BUTYL PHTHALATE	440 JB	6.16E+07	44	170	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS11	bis(2-ETHYLHEXYL) PHTHALATE	110 J	123,121	34	170	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS11	DI-n-BUTYL PHTHALATE	550 JB	6.16E+07	44	170	µg/Kg	08/20/02	ATCA	
AVMAT6	15	OUE02T6LS06	bis(2-ETHYLHEXYL) PHTHALATE	190	123,121	35	180	µg/Kg	08/19/02	ATCA	
AVMAT6	15	OUE02T6LS06	DI-n-BUTYL PHTHALATE	730 JB	6.16E+07	45	180	µg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	bis(2-ETHYLHEXYL) PHTHALATE	94 J	123,121	35	180	µg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	DI-n-BUTYL PHTHALATE	420 JB	6.16E+07	45	180	µg/Kg	08/19/02	ATCA	
VOC (SW8260B)											
AVMAT6	0.5	OUE02T6LS08	METHYL ETHYL KETONE (2-BUTANONE)	48 JB	2.71E+07	7.4	22	µg/Kg	08/20/02	ATCA	
AVMAT6	0.5	OUE02T6LS08	METHYLENE CHLORIDE	26 BJ	20,527	17	52	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	1,2,3-TRICHLOROENZENE	7.8 JB	--	1.5	4.7	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	HEXACHLOROBUTADIENE	7.1 J	22,099	3.8	12	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	METHYL ETHYL KETONE (2-BUTANONE)	37 JB	2.71E+07	4.8	14	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS09	METHYLENE CHLORIDE	18 JB	20,527	11	34	µg/Kg	08/20/02	ATCA	
AVMAT6	5	OUE02T6LS10	1,2,4-TRIMETHYLBENZENE	14 J	170,272	1.4	4.6	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	ACETONE	36 J	6.04E+06	11	33	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	IODOMETHANE (METHYL IODIDE)	85 J	--	3.9	12	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	METHYL ETHYL KETONE (2-BUTANONE)	13 JB	2.71E+07	4.7	14	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	METHYLENE CHLORIDE	27 JB	20,527	11	33	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	NAPHTHALENE	32 J	187,691	0.90	4.6	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS10	XYLENES, m & p	6.2 JB	420,000	1.4	4.6	µg/Kg	08/20/02	ATCA	FD
AVMAT6	5	OUE02T6LS11	METHYL ETHYL KETONE (2-BUTANONE)	38 JB	2.71E+07	4.7	14	µg/Kg	08/20/02	ATCA	

TABLEC-12
 Data Summary of Hits for the AVMA Trench 6
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT6	5	OUE02T6LS11	METHYLENE CHLORIDE	19 JB	20,527	11	33	µg/Kg	08/20/02	ATCA	
AVMAT6	15	OUE02T6LS06	METHYL ETHYL KETONE (2-BUTANONE)	35 JB	2.71E+07	4.8	14	µg/Kg	08/19/02	ATCA	
AVMAT6	15	OUE02T6LS06	METHYLENE CHLORIDE	20 BJ	20,527	11	34	µg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	METHYL ETHYL KETONE (2-BUTANONE)	31 JB	2.71E+07	3.7	11	µg/Kg	08/19/02	ATCA	
AVMAT6	25	OUE02T6LS07	METHYLENE CHLORIDE	16 BJ	20,527	8.6	26	µg/Kg	08/19/02	ATCA	

TABLE C-13
Data Summary of Hits for the AVMA Trench 7
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT7	5	OUE02T7LS12	DIESEL RANGE ORGANICS	1.5 JB	--	0.64	4.2	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	DIESEL RANGE ORGANICS	2.2 JB	--	0.67	4.3	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	DIESEL RANGE ORGANICS	4.6 J	--	0.64	4.2	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	DIESEL RANGE ORGANICS	2.4 JB	--	0.66	4.3	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	DIESEL RANGE ORGANICS	3.5 JB	--	0.66	4.3	mg/Kg	08/20/02	ATCA	
GRO (AK101)											
AVMAT7	10	OUE02T7LS13	GASOLINE RANGE ORGANICS	0.34 J	--	0.28	2.0	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	GASOLINE RANGE ORGANICS	0.29 J	--	0.22	1.6	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	GASOLINE RANGE ORGANICS	0.34 J	--	0.18	1.3	mg/Kg	08/20/02	ATCA	
METAL (SW6000/7000)											
AVMAT7	5	OUE02T7LS12	ALUMINUM	19,000	100,000	1.4	7.6	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	ANTIMONY	0.35 BJ	409	0.088	0.51	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	ARSENIC	1.5 J	1.6	1.1	12	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	BARIIUM	44	66,577	0.11	0.38	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	BERYLLIUM	0.44	1,941	0.019	0.19	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	CADMIUM	0.94	451	0.067	0.76	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	CALCIUM	9,180	--	1.1	13	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	CHROMIUM, TOTAL	40	448	0.19	1.0	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	COBALT	12	1,921	0.40	2.9	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	COPPER	33	40,877	0.18	0.57	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	IRON	36,400	100,000	0.42	5.7	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	LEAD	3.4 J	750	1.8	5.7	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	MAGNESIUM	12,200	--	2.4	9.5	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	MANGANESE	591	19,458	0.029	0.95	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	MERCURY	0.042 J	307	0.0011	0.045	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	NICKEL	40	20,439	1.2	3.8	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	POTASSIUM	826	--	25	95	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	SELENIUM	5.2 J	5,110	1.5	9.5	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	SODIUM	112 J	--	29	285	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	VANADIUM	72	7,154	0.26	0.95	mg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	ZINC	63	100,000	0.076	0.57	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	ALUMINUM	15,200	100,000	0.90	4.8	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	ANTIMONY	0.36 GQ,B	409	0.056	0.33	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	BARIIUM	48	66,577	0.071	0.24	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	BERYLLIUM	0.31	1,941	0.012	0.12	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	CADMIUM	0.80	451	0.042	0.48	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	CALCIUM	5,500	--	0.72	8.5	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	CHROMIUM, TOTAL	20	448	0.11	0.58	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	COBALT	12	1,921	0.25	1.8	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	COPPER	31	40,877	0.12	0.36	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	IRON	32,700	100,000	0.53	7.2	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	LEAD	3.1 J	750	1.2	3.6	mg/Kg	08/20/02	ATCA	

TABLE C-13
Data Summary of Hits for the AVMA Trench 7
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT7	10	OUE02T7LS13	MAGNESIUM	9,830	--	1.5	6.0	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	MANGANESE	529	19,458	0.018	0.60	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	MERCURY	0.088	307	0.0012	0.048	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	NICKEL	51	20,439	0.78	2.4	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	POTASSIUM	730	--	16	60	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	SELENIUM	5.6 J	5,110	0.97	6.0	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	SODIUM	66 J	--	19	181	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	VANADIUM	51	7,154	0.16	0.60	mg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	ZINC	55	100,000	0.048	0.36	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	ALUMINUM	19,700	100,000	1.2	6.6	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	ANTIMONY	0.24 BJ	409	0.077	0.45	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	ARSENIC	2.7 J	1.6	0.99	11	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	BARIUM	76	66,577	0.098	0.33	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	BERYLLIUM	0.42	1,941	0.017	0.17	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	CADMIUM	0.90	451	0.058	0.66	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	CALCIUM	8,860	--	0.99	12	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	CHROMIUM, TOTAL	36	448	0.16	0.84	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	COBALT	11	1,921	0.35	2.5	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	COPPER	29	40,877	0.16	0.50	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	IRON	34,200	100,000	0.36	5.0	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	LEAD	3.1 J	750	1.6	5.0	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	MAGNESIUM	10,300	--	2.1	8.3	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	MANGANESE	594	19,458	0.025	0.83	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	MERCURY	0.063	307	0.0010	0.043	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	NICKEL	32	20,439	1.1	3.3	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	POTASSIUM	1,260	--	22	83	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	SELENIUM	4.4 J	5,110	1.3	8.3	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	SODIUM	360	--	26	248	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	VANADIUM	71	7,154	0.22	0.83	mg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	ZINC	63	100,000	0.066	0.50	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	ALUMINUM	15,400	100,000	0.99	5.3	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	ANTIMONY	0.28 BJ	409	0.062	0.36	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	ARSENIC	3.7 J	1.6	0.80	8.7	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	BARIUM	67	66,577	0.079	0.27	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	BERYLLIUM	0.36	1,941	0.013	0.13	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	CADMIUM	0.84	451	0.047	0.53	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	CALCIUM	8,570	--	0.80	9.3	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	CHROMIUM, TOTAL	28	448	0.13	0.71	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	COBALT	11	1,921	0.28	2.0	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	COPPER	32	40,877	0.13	0.40	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	IRON	32,300	100,000	0.29	4.0	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	LEAD	4.0	750	1.3	4.0	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	MAGNESIUM	8,500	--	1.7	6.7	mg/Kg	08/20/02	ATCA	

TABLE C-13
Data Summary of Hits for the AVMA Trench 7
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT7	20	OUE02T7LS15	MANGANESE	530	19,458	0.020	0.67	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	MERCURY	0.089	307	0.0011	0.044	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	NICKEL	32	20,439	0.86	2.7	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	POTASSIUM	980	--	17	67	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	SELENIUM	3.5 J	5,110	1.1	6.7	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	SODIUM	130 J	--	21	200	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	VANADIUM	58	7,154	0.18	0.67	mg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	ZINC	59	100,000	0.053	0.40	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	ALUMINUM	13,300	100,000	0.96	5.2	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	ANTIMONY	0.17 BJ	409	0.062	0.36	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	ARSENIC	2.7 J	1.6	0.78	8.4	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	BARIUM	73	66,577	0.076	0.26	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	BERYLLIUM	0.28	1,941	0.013	0.13	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	CADMIUM	0.71	451	0.045	0.52	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	CALCIUM	5,150	--	0.78	9.1	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	CHROMIUM, TOTAL	31	448	0.14	0.72	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	COBALT	9.3	1,921	0.27	1.9	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	COPPER	32	40,877	0.12	0.39	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	IRON	28,000	100,000	0.28	3.9	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	LEAD	3.8 J	750	1.2	3.9	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	MAGNESIUM	8,020	--	1.6	6.5	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	MANGANESE	489	19,458	0.019	0.65	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	MERCURY	0.069	307	0.0011	0.046	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	NICKEL	26	20,439	0.83	2.6	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	POTASSIUM	851	--	17	65	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	SELENIUM	4.4 J	5,110	1.0	6.5	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	SODIUM	127 J	--	20	194	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	VANADIUM	46	7,154	0.18	0.65	mg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	ZINC	50	100,000	0.052	0.39	mg/Kg	08/20/02	ATCA	
SVOC (SW8270C)											
AVMAT7	5	OUE02T7LS12	bis(2-ETHYLHEXYL) PHTHALATE	71 J	123,121	35	170	µg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	DI-n-BUTYL PHTHALATE	710 JB	6.16E+07	44	170	µg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	2-METHYLNAPHTHALENE	83 J	--	49	180	µg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	bis(2-ETHYLHEXYL) PHTHALATE	79 J	123,121	36	180	µg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	DI-n-BUTYL PHTHALATE	960 JB	6.16E+07	46	180	µg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	bis(2-ETHYLHEXYL) PHTHALATE	86 J	123,121	35	180	µg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	DI-n-BUTYL PHTHALATE	510 JB	6.16E+07	45	180	µg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	bis(2-ETHYLHEXYL) PHTHALATE	62 J	123,121	35	180	µg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	DI-n-BUTYL PHTHALATE	600 JB	6.16E+07	45	180	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	2-METHYLNAPHTHALENE	83 J	--	48	180	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	bis(2-ETHYLHEXYL) PHTHALATE	80 J	123,121	36	180	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	DI-n-BUTYL PHTHALATE	800 JB	6.16E+07	45	180	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	NAPHTHALENE	38 J	187,691	18	180	µg/Kg	08/20/02	ATCA	

TABLE C-13
Data Summary of Hits for the AVMA Trench 7
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
VOC (SW8260B)											
AVMAT7	5	OUE02T7LS12	METHYL ETHYL KETONE (2-BUTANONE)	37 JB	2.71E+07	4.5	13	µg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	METHYLENE CHLORIDE	14 JB	20,527	11	32	µg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	TOLUENE	5.2 JB	520,000	2.2	6.6	µg/Kg	08/20/02	ATCA	
AVMAT7	5	OUE02T7LS12	XYLENES, m & p	5.1 B	420,000	1.3	4.4	µg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	METHYL ETHYL KETONE (2-BUTANONE)	44 JB	2.71E+07	5.5	17	µg/Kg	08/20/02	ATCA	
AVMAT7	10	OUE02T7LS13	METHYLENE CHLORIDE	18 JB	20,527	13	39	µg/Kg	08/20/02	ATCA	
AVMAT7	15	OUE02T7LS14	METHYLENE CHLORIDE	20 JB	20,527	14	41	µg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	METHYL ETHYL KETONE (2-BUTANONE)	37 JB	2.71E+07	4.3	13	µg/Kg	08/20/02	ATCA	
AVMAT7	20	OUE02T7LS15	METHYLENE CHLORIDE	16 JB	20,527	10	30	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	METHYL ETHYL KETONE (2-BUTANONE)	58 JB	2.71E+07	5.7	17	µg/Kg	08/20/02	ATCA	
AVMAT7	25	OUE02T7LS16	METHYLENE CHLORIDE	20 JB	20,527	13	40	µg/Kg	08/20/02	ATCA	

TABLE C-14
Data Summary of Hits for the AVMA Trench 8
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT8	0.5	OUE02T8LS17	DIESEL RANGE ORGANICS	56	--	2.7	17	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	DIESEL RANGE ORGANICS	2.2 J	--	0.65	4.2	mg/Kg	08/21/02	ATCA	
AVMAT8	15	OUE02T8LS20	DIESEL RANGE ORGANICS	2.4 J	--	0.66	4.3	mg/Kg	08/21/02	ATCA	FD
AVMAT8	25	OUE02T8LS19	DIESEL RANGE ORGANICS	3.7 J	--	0.66	4.3	mg/Kg	08/21/02	ATCA	
GRO (AK101)											
AVMAT8	0.5	OUE02T8LS18	GASOLINE RANGE ORGANICS	0.49 J	--	0.25	1.8	mg/Kg	08/21/02	ATCA	
AVMAT8	15	OUE02T8LS20	GASOLINE RANGE ORGANICS	0.82 J	--	0.28	2.0	mg/Kg	08/21/02	ATCA	FD
METAL (SW6000/7000)											
AVMAT8	0.5	OUE02T8LS17	ALUMINUM	20,000	100,000	1.2	6.7	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	ANTIMONY	0.49 GQ,B	409	0.078	0.45	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	BARIUM	82	66,577	0.099	0.33	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	BERYLLIUM	0.43	1,941	0.017	0.17	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	CADMIUM	0.95	451	0.058	0.67	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	CALCIUM	8,000	--	1.0	12	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	CHROMIUM, TOTAL	36	448	0.16	0.84	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	COBALT	13	1,921	0.35	2.5	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	COPPER	30	40,877	0.16	0.50	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	IRON	35,000	100,000	0.37	5.0	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	LEAD	8.4	750	1.6	5.0	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	MAGNESIUM	11,000	--	2.1	8.4	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	MANGANESE	650	19,458	0.025	0.84	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	MERCURY	0.078	307	0.0010	0.042	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	NICKEL	42	20,439	1.1	3.3	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	POTASSIUM	800	--	22	84	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	SELENIUM	6.9 J	5,110	1.3	8.4	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	SODIUM	120 J	--	26	250	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	VANADIUM	70	7,154	0.23	0.84	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	ZINC	61	100,000	0.067	0.50	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	ALUMINUM	18,000	100,000	0.93	5.0	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	ANTIMONY	0.23 J,GQ,B	409	0.058	0.34	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	ARSENIC	2.1 BJ	1.6	0.75	8.1	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	BARIUM	56	66,577	0.074	0.25	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	BERYLLIUM	0.37	1,941	0.013	0.12	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	CADMIUM	0.87	451	0.044	0.50	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	CALCIUM	7,600	--	0.75	8.7	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	CHROMIUM, TOTAL	28	448	0.15	0.80	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	COBALT	12	1,921	0.26	1.9	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	COPPER	30	40,877	0.12	0.37	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	IRON	37,000	100,000	0.55	7.5	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	LEAD	4.4 B	750	1.2	3.7	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	MAGNESIUM	10,000	--	1.6	6.2	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	MANGANESE	570	19,458	0.019	0.62	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	MERCURY	0.069	307	0.0012	0.049	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	NICKEL	38	20,439	0.80	2.5	mg/Kg	08/21/02	ATCA	

TABLE C-14
Data Summary of Hits for the AVMA Trench 8
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT8	0.5	OUE02T8LS18	POTASSIUM	870	--	16	62	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	SELENIUM	5.1 J	5,110	1.0	6.2	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	SODIUM	95 J	--	19	190	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	VANADIUM	66	7,154	0.17	0.62	mg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	ZINC	61	100,000	0.050	0.37	mg/Kg	08/21/02	ATCA	
AVMAT8	15	OUE02T8LS20	ALUMINUM	15,000	100,000	1.2	6.4	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	ANTIMONY	0.19 BJ	409	0.074	0.43	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	ARSENIC	2.3 BJ	1.6	0.95	10	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	BARIUM	60	66,577	0.094	0.32	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	BERYLLIUM	0.28	1,941	0.016	0.16	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	CADMIUM	0.75	451	0.056	0.64	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	CALCIUM	5,900	--	0.95	11	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	CHROMIUM, TOTAL	24	448	0.14	0.72	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	COBALT	9.7	1,921	0.33	2.4	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	COPPER	26	40,877	0.15	0.48	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	IRON	29,000	100,000	0.35	4.8	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	LEAD	2.8 BJ	750	1.5	4.8	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	MAGNESIUM	8,300	--	2.0	8.0	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	MANGANESE	560	19,458	0.024	0.80	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	MERCURY	0.055	307	0.0010	0.043	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	NICKEL	30	20,439	1.0	3.2	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	POTASSIUM	800	--	21	80	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	SELENIUM	3.4 J	5,110	1.3	8.0	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	SODIUM	100 J	--	25	240	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	VANADIUM	46	7,154	0.21	0.80	mg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	ZINC	49	100,000	0.064	0.48	mg/Kg	08/21/02	ATCA	FD
AVMAT8	25	OUE02T8LS19	ALUMINUM	16,000	100,000	1.1	5.7	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	ANTIMONY	0.36 J,GQ,B	409	0.066	0.38	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	ARSENIC	2.2 BJ	1.6	0.86	9.3	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	BARIUM	76	66,577	0.084	0.29	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	BERYLLIUM	0.37	1,941	0.014	0.14	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	CADMIUM	0.75	451	0.050	0.57	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	CALCIUM	6,800	--	0.86	10	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	CHROMIUM, TOTAL	37	448	0.16	0.85	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	COBALT	11	1,921	0.30	2.1	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	COPPER	27	40,877	0.14	0.43	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	IRON	31,000	100,000	0.31	4.3	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	LEAD	4.6	750	1.4	4.3	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	MAGNESIUM	8,700	--	1.8	7.1	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	MANGANESE	550	19,458	0.021	0.71	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	MERCURY	0.073	307	0.0010	0.043	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	NICKEL	31	20,439	0.92	2.9	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	POTASSIUM	900	--	19	71	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	SELENIUM	5.3 J	5,110	1.1	7.1	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	SODIUM	83 J	--	22	210	mg/Kg	08/21/02	ATCA	

TABLE C-14
 Data Summary of Hits for the AVMA Trench 8
 Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT8	25	OUE02T8LS19	VANADIUM	57	7,154	0.19	0.71	mg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	ZINC	52	100,000	0.057	0.43	mg/Kg	08/21/02	ATCA	
PESTICIDE (SW8081)											
AVMAT8	0.5	OUE02T8LS17	p,p'-DDT	45 GC	7,025	2.8	22	µg/Kg	08/21/02	STL8	
AVMAT8	25	OUE02T8LS19	p,p'-DDD	0.33 J,GC	9,951	0.20	2.0	µg/Kg	08/21/02	STL8	
AVMAT8	25	OUE02T8LS19	p,p'-DDE	1.1 J,GC	7,025	0.23	2.0	µg/Kg	08/21/02	STL8	
AVMAT8	25	OUE02T8LS19	p,p'-DDT	13 GC	7,025	0.26	2.0	µg/Kg	08/21/02	STL8	
SVOC (SW8270C)											
AVMAT8	0.5	OUE02T8LS17	bis(2-ETHYLHEXYL) PHTHALATE	56 J	123,121	36	180	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	DI-n-BUTYL PHTHALATE	340 JB	6.16E+07	46	180	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	bis(2-ETHYLHEXYL) PHTHALATE	90 J	123,121	36	180	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	DI-n-BUTYL PHTHALATE	490 JB	6.16E+07	46	180	µg/Kg	08/21/02	ATCA	
AVMAT8	15	OUE02T8LS20	DI-n-BUTYL PHTHALATE	260 JB	6.16E+07	45	180	µg/Kg	08/21/02	ATCA	FD
AVMAT8	25	OUE02T8LS19	bis(2-ETHYLHEXYL) PHTHALATE	80 J	123,121	36	180	µg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	DI-n-BUTYL PHTHALATE	500 JB	6.16E+07	46	180	µg/Kg	08/21/02	ATCA	
VOC (SW8260B)											
AVMAT8	0.5	OUE02T8LS17	METHYL ETHYL KETONE (2-BUTANONE)	42	2.71E+07	5.3	16	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS17	METHYLENE CHLORIDE	19 JB	20,527	13	38	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	METHYL ETHYL KETONE (2-BUTANONE)	40	2.71E+07	5.2	16	µg/Kg	08/21/02	ATCA	
AVMAT8	0.5	OUE02T8LS18	METHYLENE CHLORIDE	18 JB	20,527	12	37	µg/Kg	08/21/02	ATCA	
AVMAT8	15	OUE02T8LS20	METHYL ETHYL KETONE (2-BUTANONE)	41	2.71E+07	4.9	15	µg/Kg	08/21/02	ATCA	FD
AVMAT8	15	OUE02T8LS20	METHYLENE CHLORIDE	17 JB	20,527	11	34	µg/Kg	08/21/02	ATCA	FD
AVMAT8	25	OUE02T8LS19	METHYL ETHYL KETONE (2-BUTANONE)	49	2.71E+07	5.9	18	µg/Kg	08/21/02	ATCA	
AVMAT8	25	OUE02T8LS19	METHYLENE CHLORIDE	24 JB	20,527	14	42	µg/Kg	08/21/02	ATCA	

TABLE C-15
Data Summary of Hits for the AVMA Trench 9
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AVMAT9	1	OUE02T8LS23	DIESEL RANGE ORGANICS	3,800	--	60	390	mg/Kg	08/22/02	ATCA	
AVMAT9	5	OUE02T8LS25	DIESEL RANGE ORGANICS	3.3 J	--	0.64	4.2	mg/Kg	08/21/02	ATCA	
AVMAT9	15	OUE02T8LS21	DIESEL RANGE ORGANICS	1.8 J	--	0.66	4.3	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	DIESEL RANGE ORGANICS	2.2 J	--	0.66	4.3	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS24	DIESEL RANGE ORGANICS	2.2 J	--	0.67	4.3	mg/Kg	08/22/02	ATCA	FD
GRO (AK101)											
AVMAT9	1	OUE02T8LS23	GASOLINE RANGE ORGANICS	6.0	--	0.34	2.5	mg/Kg	08/22/02	ATCA	
AVMAT9	5	OUE02T8LS25	GASOLINE RANGE ORGANICS	0.48 J	--	0.35	2.5	mg/Kg	08/21/02	ATCA	
AVMAT9	15	OUE02T8LS21	GASOLINE RANGE ORGANICS	0.27 J	--	0.23	1.6	mg/Kg	08/22/02	ATCA	
METAL (SW6000/7000)											
AVMAT9	1	OUE02T8LS23	ALUMINUM	20,000	100,000	1.2	6.7	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	ANTIMONY	0.090 BJ	409	0.078	0.45	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	ARSENIC	3.8 BJ	1.6	1.0	11	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	BARIUM	64	66,577	0.099	0.33	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	BERYLLIUM	0.41	1,941	0.017	0.17	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	CADMIUM	1.0	451	0.058	0.67	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	CALCIUM	7,200	--	1.0	12	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	CHROMIUM, TOTAL	40	448	0.20	1.1	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	COBALT	15	1,921	0.35	2.5	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	COPPER	26	40,877	0.16	0.50	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	IRON	35,000	100,000	0.37	5.0	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	LEAD	11	750	1.6	5.0	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	MAGNESIUM	13,000	--	2.1	8.3	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	MANGANESE	600	19,458	0.025	0.83	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	MERCURY	0.063	307	0.0011	0.046	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	NICKEL	62	20,439	1.1	3.3	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	POTASSIUM	940	--	22	83	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	SODIUM	140 J	--	26	250	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	VANADIUM	74	7,154	0.23	0.83	mg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	ZINC	57	100,000	0.067	0.50	mg/Kg	08/22/02	ATCA	
AVMAT9	5	OUE02T8LS25	ALUMINUM	19,000	100,000	1.4	7.3	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	ANTIMONY	0.16 BJ	409	0.084	0.49	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	ARSENIC	3.6 BJ	1.6	1.1	12	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	BARIUM	43	66,577	0.11	0.36	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	BERYLLIUM	0.44	1,941	0.018	0.18	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	CADMIUM	0.98	451	0.063	0.73	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	CALCIUM	8,900	--	1.1	13	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	CHROMIUM, TOTAL	39	448	0.16	0.85	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	COBALT	12	1,921	0.38	2.7	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	COPPER	31	40,877	0.17	0.54	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	IRON	35,000	100,000	0.40	5.4	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	LEAD	4.3 J	750	1.7	5.4	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	MAGNESIUM	10,000	--	2.3	9.1	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	MANGANESE	630	19,458	0.027	0.91	mg/Kg	08/21/02	ATCA	

TABLE C-15
Data Summary of Hits for the AVMA Trench 9
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT9	5	OUE02T8LS25	MERCURY	0.037 J	307	0.0011	0.047	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	NICKEL	38	20,439	1.2	3.6	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	POTASSIUM	880	--	24	91	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	SELENIUM	6.1 J	5,110	1.5	9.1	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	SODIUM	99 J	--	28	270	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	THALLIUM	0.27 J,GQ	67	0.24	1.1	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	VANADIUM	68	7,154	0.24	0.91	mg/Kg	08/21/02	ATCA	
AVMAT9	5	OUE02T8LS25	ZINC	70	100,000	0.073	0.54	mg/Kg	08/21/02	ATCA	
AVMAT9	15	OUE02T8LS21	ALUMINUM	17,000	100,000	1.2	6.4	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	ANTIMONY	0.25 J,GQ,B	409	0.074	0.43	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	ARSENIC	5.6 BJ	1.6	0.95	10	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	BARIUM	67	66,577	0.094	0.32	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	BERYLLIUM	0.41	1,941	0.016	0.16	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	CADMIUM	0.97	451	0.056	0.64	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	CALCIUM	6,600	--	0.95	11	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	CHROMIUM, TOTAL	36	448	0.13	0.69	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	COBALT	12	1,921	0.33	2.4	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	COPPER	36	40,877	0.15	0.48	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	IRON	35,000	100,000	0.35	4.8	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	LEAD	6.0	750	1.5	4.8	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	MAGNESIUM	9,700	--	2.0	7.9	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	MANGANESE	710	19,458	0.024	0.79	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	MERCURY	0.034 J	307	0.0011	0.045	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	NICKEL	39	20,439	1.0	3.2	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	POTASSIUM	1,200	--	21	79	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	SELENIUM	3.8 J	5,110	1.3	7.9	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	SODIUM	93 J	--	25	240	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	VANADIUM	61	7,154	0.21	0.79	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	ZINC	70	100,000	0.064	0.48	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	ALUMINUM	18,000	100,000	1.1	5.8	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	ARSENIC	2.4 BJ	1.6	0.87	9.4	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	BARIUM	73	66,577	0.086	0.29	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	BERYLLIUM	0.40	1,941	0.015	0.14	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	CADMIUM	0.98	451	0.051	0.58	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	CALCIUM	9,800	--	0.87	10	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	CHROMIUM, TOTAL	32	448	0.19	1.0	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	COBALT	12	1,921	0.30	2.2	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	COPPER	33	40,877	0.14	0.43	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	IRON	34,000	100,000	0.32	4.3	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	LEAD	5.3	750	1.4	4.3	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	MAGNESIUM	9,800	--	1.8	7.2	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	MANGANESE	570	19,458	0.022	0.72	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	MERCURY	0.062	307	0.0012	0.049	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	NICKEL	40	20,439	0.93	2.9	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	POTASSIUM	1,200	--	19	72	mg/Kg	08/22/02	ATCA	

TABLE C-15
Data Summary of Hits for the AVMA Trench 9
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AVMAT9	15	OUE02T8LS22	SELENIUM	4.1 J	5,110	1.2	7.2	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	SODIUM	140 J	--	22	220	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	THALLIUM	0.36 J,GQ	67	0.28	1.3	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	VANADIUM	65	7,154	0.20	0.72	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	ZINC	62	100,000	0.058	0.43	mg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS24	ALUMINIUM	19,000	100,000	1.1	6.1	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	ARSENIC	3.0 BJ	1.6	0.92	9.9	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	BARIUM	62	66,577	0.090	0.31	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	BERYLLIUM	0.42	1,941	0.015	0.15	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	CADMIUM	0.97	451	0.054	0.61	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	CALCIUM	9,800	--	0.92	11	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	CHROMIUM, TOTAL	27	448	0.14	0.72	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	COBALT	11	1,921	0.32	2.3	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	COPPER	27	40,877	0.15	0.46	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	IRON	35,000	100,000	0.34	4.6	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	LEAD	3.6 BJ	750	1.5	4.6	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	MAGNESIUM	11,000	--	1.9	7.6	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	MANGANESE	590	19,458	0.023	0.76	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	MERCURY	0.063	307	0.0011	0.047	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	NICKEL	35	20,439	0.98	3.1	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	POTASSIUM	1,000	--	20	76	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	SELENIUM	5.6 J	5,110	1.2	7.6	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	SODIUM	250	--	24	230	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	VANADIUM	66	7,154	0.21	0.76	mg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	ZINC	64	100,000	0.061	0.46	mg/Kg	08/22/02	ATCA	FD
PESTICIDE (SW8081)											
AVMAT9	5	OUE02T8LS25	p,p'-DDE	0.55 J,GC	7,025	0.22	1.9	µg/Kg	08/21/02	STL8	
AVMAT9	5	OUE02T8LS25	p,p'-DDT	6.1 GC	7,025	0.25	1.9	µg/Kg	08/21/02	STL8	
AVMAT9	15	OUE02T8LS21	p,p'-DDT	4.2 GC	7,025	0.26	2.0	µg/Kg	08/22/02	STL8	
AVMAT9	15	OUE02T8LS22	p,p'-DDT	0.40 J,GC	7,025	0.27	2.1	µg/Kg	08/22/02	STL8	
AVMAT9	15	OUE02T8LS24	p,p'-DDT	3.4 GC	7,025	0.25	1.9	µg/Kg	08/22/02	STL8	FD
SVOC (SW8270C)											
AVMAT9	1	OUE02T8LS23	2-METHYLNAPHTHALENE	1,500	--	260	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	BENZO(a)ANTHRAcene	310 J	2,110	210	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	CHRYSENE	1,000	210,962	210	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	DI-n-BUTYL PHTHALATE	410 JB	6.16E+07	250	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	FLUORENE	240 J	2.63E+07	210	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	PHENANTHRENE	560 J	--	210	990	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	PYRENE	590 J	2.91E+07	200	990	µg/Kg	08/22/02	ATCA	
AVMAT9	5	OUE02T8LS25	DI-n-BUTYL PHTHALATE	190 JB	6.16E+07	44	170	µg/Kg	08/21/02	ATCA	
AVMAT9	15	OUE02T8LS21	bis(2-ETHYLHEXYL) PHTHALATE	39 J	123,121	35	180	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS21	DI-n-BUTYL PHTHALATE	250 JB	6.16E+07	45	180	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	DI-n-BUTYL PHTHALATE	290 JB	6.16E+07	45	180	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS24	bis(2-ETHYLHEXYL) PHTHALATE	47 J	123,121	35	180	µg/Kg	08/22/02	ATCA	FD
AVMAT9	15	OUE02T8LS24	DI-n-BUTYL PHTHALATE	490 JB	6.16E+07	45	180	µg/Kg	08/22/02	ATCA	FD

TABLE C-15
Data Summary of Hits for the AVMA Trench 9
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
VOC (SW8260B)											
AVMAT9	1	OUE02T8LS23	ACETONE	92	6.04E+06	18	54	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	METHYL ETHYL KETONE (2-BUTANONE)	91	2.71E+07	7.6	23	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	METHYLENE CHLORIDE	34 BJ	20,527	18	54	µg/Kg	08/22/02	ATCA	
AVMAT9	1	OUE02T8LS23	P-CYMENE (p-ISOPROPYLTOLUENE)	14	--	1.6	7.5	µg/Kg	08/22/02	ATCA	
AVMAT9	5	OUE02T8LS25	METHYLENE CHLORIDE	31 BJ	20,527	17	52	µg/Kg	08/21/02	ATCA	
AVMAT9	15	OUE02T8LS21	METHYLENE CHLORIDE	22 BJ	20,527	15	44	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	METHYL ETHYL KETONE (2-BUTANONE)	63	2.71E+07	8.4	25	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS22	METHYLENE CHLORIDE	34 BJ	20,527	20	59	µg/Kg	08/22/02	ATCA	
AVMAT9	15	OUE02T8LS24	METHYLENE CHLORIDE	27 BJ	20,527	18	53	µg/Kg	08/22/02	ATCA	FD

TABLE C-16
Data Summary of Hits for the AVMA Soil Boings
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AP-4337	11	02AVMA27SL	DIESEL RANGE ORGANICS	4.4 B	--	0.65	4.2	mg/Kg	08/06/02	ATCA	
AP-4337	93	02AVMA28SL	DIESEL RANGE ORGANICS	2.6 JB	--	0.73	4.7	mg/Kg	08/07/02	ATCA	
AP-4338	116	02AVMA31SL	DIESEL RANGE ORGANICS	17	--	0.65	4.2	mg/Kg	09/04/02	ATCA	
AP-4340	119	02AVMA30SL	DIESEL RANGE ORGANICS	2.1 JB	--	0.62	4.0	mg/Kg	08/30/02	ATCA	
GRO (AK101)											
AP-4337	11	02AVMA27SL	GASOLINE RANGE ORGANICS	0.38 J	--	0.36	2.6	mg/Kg	08/06/02	ATCA	
METAL (SW6000/7000)											
AP-4337	11	02AVMA27SL	ALUMINUM	20,000	100,000	0.90	4.8	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	ANTIMONY	0.28 JB	409	0.056	0.33	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	ARSENIC	3.7 J	1.6	0.72	7.8	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	BARIUM	68	66,577	0.071	0.24	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	BERYLLIUM	0.48	1,941	0.012	0.12	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	CADMIUM	1.0	451	0.042	0.48	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	CALCIUM	8,400	--	0.72	8.4	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	CHROMIUM, TOTAL	58	448	0.19	1.2	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	COBALT	13	1,921	0.25	1.8	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	COPPER	42	40,877	0.11	0.36	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	IRON	37,000	100,000	0.53	7.2	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	LEAD	5.1	750	1.1	3.6	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	MAGNESIUM	12,000	--	1.5	6.0	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	MANGANESE	620	19,458	0.018	0.60	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	MERCURY	0.088	307	0.0010	0.043	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	NICKEL	45	20,439	0.77	2.4	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	POTASSIUM	1,300	--	16	60	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	SELENIUM	7.1	5,110	0.96	6.0	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	SODIUM	370	--	19	180	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	VANADIUM	66	7,154	0.16	0.60	mg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	ZINC	64	100,000	0.048	0.36	mg/Kg	08/06/02	ATCA	
AP-4337	93	02AVMA28SL	ALUMINUM	14,000	100,000	0.89	4.8	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	ANTIMONY	0.13 JB	409	0.056	0.32	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	ARSENIC	3.9 J	1.6	0.72	7.8	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	BARIUM	53	66,577	0.071	0.24	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	BERYLLIUM	0.28	1,941	0.012	0.12	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	CADMIUM	0.68	451	0.042	0.48	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	CALCIUM	11,000	--	0.72	8.4	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	CHROMIUM, TOTAL	24	448	0.19	1.2	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	COBALT	7.9	1,921	0.25	1.8	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	COPPER	18	40,877	0.11	0.36	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	IRON	23,000	100,000	0.26	3.6	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	LEAD	2.2 J	750	1.1	3.6	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	MAGNESIUM	7,100	--	1.5	6.0	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	MANGANESE	450	19,458	0.018	0.60	mg/Kg	08/07/02	ATCA	

TABLE C-16
Data Summary of Hits for the AVMA Soil Boings
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4337	93	02AVMA28SL	MERCURY	0.048	307	0.0011	0.047	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	NICKEL	26	20,439	0.77	2.4	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	POTASSIUM	860	--	16	60	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	SELENIUM	2.9 J	5,110	0.96	6.0	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	SODIUM	210	--	19	180	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	VANADIUM	48	7,154	0.16	0.60	mg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	ZINC	42	100,000	0.048	0.36	mg/Kg	08/07/02	ATCA	
AP-4338	116	02AVMA31SL	ALUMINUM	11,000	100,000	0.78	4.2	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	BARIUM	26	66,577	0.062	0.21	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	BERYLLIUM	0.16	1,941	0.011	0.11	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	CADMIUM	0.56	451	0.037	0.42	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	CALCIUM	5,600	--	0.63	7.4	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	CHROMIUM, TOTAL	25	448	0.11	0.59	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	COBALT	8.3	1,921	0.22	1.6	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	COPPER	16	40,877	0.10	0.32	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	IRON	22,000	100,000	0.23	3.2	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	MAGNESIUM	7,700	--	1.3	5.3	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	MANGANESE	430	19,458	0.016	0.53	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	NICKEL	27	20,439	0.68	2.1	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	POTASSIUM	370 B	--	14	53	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	SODIUM	250	--	16	160	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	VANADIUM	39	7,154	0.14	0.53	mg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	ZINC	36	100,000	0.042	0.32	mg/Kg	09/04/02	ATCA	
AP-4340	119	02AVMA30SL	ALUMINUM	14,000	100,000	0.80	4.3	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	ANTIMONY	0.29	409	0.050	0.29	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	ARSENIC	3.1 BJ	1.6	0.65	7.0	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	BARIUM	41	66,577	0.064	0.22	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	BERYLLIUM	0.25	1,941	0.011	0.11	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	CADMIUM	0.74	451	0.038	0.43	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	CALCIUM	9,500	--	0.65	7.5	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	CHROMIUM, TOTAL	28	448	0.12	0.62	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	COBALT	9.7	1,921	0.23	1.6	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	COPPER	24	40,877	0.10	0.32	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	IRON	31,000	100,000	0.47	6.5	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	LEAD	2.5 J	750	1.0	3.2	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	MAGNESIUM	9,500 J	--	1.3	5.4	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	MANGANESE	640	19,458	0.016	0.54	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	MERCURY	0.048	307	0.0010	0.043	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	NICKEL	37	20,439	0.69	2.2	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	POTASSIUM	590	--	14	54	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	SELENIUM	3.5 J	5,110	0.86	5.4	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	SODIUM	110 J	--	17	160	mg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	VANADIUM	46	7,154	0.15	0.54	mg/Kg	08/30/02	ATCA	

TABLE C-16
Data Summary of Hits for the AVMA Soil Boings
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4340	119	02AVMA30SL	ZINC	49	100,000	0.043	0.32	mg/Kg	08/30/02	ATCA	
SVOC (SW8270C)											
AP-4337	11	02AVMA27SL	DI-n-BUTYL PHTHALATE	180 B	6.16E+07	45	180	µg/Kg	08/06/02	ATCA	
AP-4337	93	02AVMA28SL	BENZO(a)PYRENE	52 J	211	34	190	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	BENZO(b)FLUORANTHENE	53 J	2,110	30	190	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	DI-n-BUTYL PHTHALATE	240 JB	6.16E+07	49	190	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	FLUORANTHENE	56 J	2.20E+07	47	190	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	PYRENE	67 J	2.91E+07	39	190	µg/Kg	08/07/02	ATCA	
AP-4338	116	02AVMA31SL	DI-n-BUTYL PHTHALATE	470 B	6.16E+07	44	170	µg/Kg	09/04/02	ATCA	
AP-4340	119	02AVMA30SL	bis(2-ETHYLHEXYL) PHTHALATE	160 J	123,121	34	170	µg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	DI-n-BUTYL PHTHALATE	480 B	6.16E+07	44	170	µg/Kg	08/30/02	ATCA	
VOC (SW8260B)											
AP-4337	11	02AVMA27SL	METHYL ETHYL KETONE (2-BUTANONE)	88 B	2.71E+07	10	31	µg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	METHYLENE CHLORIDE	46 BJ	20,527	24	72	µg/Kg	08/06/02	ATCA	
AP-4337	11	02AVMA27SL	XYLENES, m & p	9.0 J	420,000	3.0	10	µg/Kg	08/06/02	ATCA	
AP-4337	93	02AVMA28SL	ACETONE	62 JB	6.04E+06	24	72	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	METHYL ETHYL KETONE (2-BUTANONE)	97 B	2.71E+07	10	31	µg/Kg	08/07/02	ATCA	
AP-4337	93	02AVMA28SL	METHYLENE CHLORIDE	78 B	20,527	24	72	µg/Kg	08/07/02	ATCA	
AP-4338	116	02AVMA31SL	ACETONE	56 B	6.04E+06	19	56	µg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	METHYLENE CHLORIDE	48 J	20,527	19	56	µg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	TOLUENE	16	520,000	3.9	12	µg/Kg	09/04/02	ATCA	
AP-4338	116	02AVMA31SL	XYLENES, m & p	9.5	420,000	2.3	7.8	µg/Kg	09/04/02	ATCA	
AP-4340	119	02AVMA30SL	TOLUENE	18 B	520,000	5.4	16	µg/Kg	08/30/02	ATCA	
AP-4340	119	02AVMA30SL	XYLENES, m & p	13	420,000	3.3	11	µg/Kg	08/30/02	ATCA	

TABLE C-17

DRAFT

Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AP-4336	--	02AVMA25SL	DIESEL RANGE ORGANICS	4.0 J	--	0.64	4.2	mg/Kg	08/01/02	ATCA	
AP-4336	73	02AVMA26SL	DIESEL RANGE ORGANICS	6.2	--	0.63	4.1	mg/Kg	08/02/02	ATCA	
AP-4338	137	02AVMA33SL	DIESEL RANGE ORGANICS	3.3 JB	--	0.80	5.2	mg/Kg	09/23/02	ATCA	
AP-4339	66	02AVMA29SL	DIESEL RANGE ORGANICS	5.0 J	--	0.61	4.0	mg/Kg	08/19/02	ATCA	
AP-4339	113	02AVMA32SL	DIESEL RANGE ORGANICS	2.2 JB	--	0.61	3.9	mg/Kg	09/10/02	ATCA	
AP-4341	62	02AVMA34SL	DIESEL RANGE ORGANICS	4.0 J	--	0.66	4.3	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA35SL	DIESEL RANGE ORGANICS	2.2 JB	--	0.65	4.2	mg/Kg	09/24/02	ATCA	FD
AP-4341	65	02AVMA37SL	DIESEL RANGE ORGANICS	1.9 JB	--	0.73	4.8	mg/Kg	09/25/02	ATCA	
AP-4342	96	02AVMA38SL	DIESEL RANGE ORGANICS	1.8 J	--	0.67	4.3	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA39SL	DIESEL RANGE ORGANICS	2.1 J	--	0.73	4.7	mg/Kg	10/10/02	ATCA	FD
GRO (AK101)											
AP-4336	--	02AVMA25SL	GASOLINE RANGE ORGANICS	0.51 J	--	0.50	3.5	mg/Kg	08/01/02	ATCA	
AP-4339	113	02AVMA32SL	GASOLINE RANGE ORGANICS	0.52 J	--	0.47	3.4	mg/Kg	09/10/02	ATCA	
AP-4341	62	02AVMA34SL	GASOLINE RANGE ORGANICS	0.64 J	--	0.60	4.3	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA35SL	GASOLINE RANGE ORGANICS	0.73 J	--	0.51	3.7	mg/Kg	09/24/02	ATCA	FD
AP-4341	65	02AVMA37SL	GASOLINE RANGE ORGANICS	0.56 J	--	0.54	3.8	mg/Kg	09/25/02	ATCA	
AP-4342	96	02AVMA38SL	GASOLINE RANGE ORGANICS	0.73 J	--	0.61	4.4	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA39SL	GASOLINE RANGE ORGANICS	0.64 J	--	0.61	4.3	mg/Kg	10/10/02	ATCA	FD
METAL (SW6000/7000)											
AP-4336	--	02AVMA25SL	ALUMINUM	13,400	100,000	0.88	4.7	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	ANTIMONY	0.82 JB	409	0.055	0.32	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	ARSENIC	9.1	1.6	0.71	7.7	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	BARIUM	69	66,577	0.070	0.24	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	BERYLLIUM	0.41	1,941	0.012	0.12	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	CADMIUM	1.5	451	0.041	0.47	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	CALCIUM	4,250	--	0.71	8.3	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	CHROMIUM, TOTAL	36	448	0.18	1.2	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	COBALT	24	1,921	0.25	1.8	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	COPPER	37 J	40,877	0.11	0.35	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	IRON	48,200	100,000	0.52	7.1	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	LEAD	3.7	750	1.1	3.5	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	MAGNESIUM	35,900	--	1.5	5.9	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	MANGANESE	1,670	19,458	0.018	0.59	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	MERCURY	0.042 J	307	0.0011	0.046	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	NICKEL	195	20,439	0.76	2.4	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	POTASSIUM	757 J	--	15	59	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	SELENIUM	4.1 J	5,110	0.94	5.9	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	SODIUM	58 J	--	18	177	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	VANADIUM	56 J	7,154	0.16	0.59	mg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	ZINC	65	100,000	0.047	0.35	mg/Kg	08/01/02	ATCA	
AP-4336	73	02AVMA26SL	ALUMINUM	16,200	100,000	0.82	4.4	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	ANTIMONY	0.16 JB	409	0.051	0.30	mg/Kg	08/02/02	ATCA	

TABLE C-17

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Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4336	73	02AVMA26SL	ARSENIC	2.2 J	1.6	0.66	7.2	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	BARIUM	37	66,577	0.065	0.22	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	BERYLLIUM	0.29	1,941	0.011	0.11	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	CADMIUM	0.77	451	0.039	0.44	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	CALCIUM	11,400	--	0.66	7.7	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	CHROMIUM, TOTAL	28	448	0.17	1.1	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	COBALT	9.3	1,921	0.23	1.7	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	COPPER	20 J	40,877	0.11	0.33	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	IRON	29,900	100,000	0.49	6.6	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	LEAD	2.1 J	750	1.1	3.3	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	MAGNESIUM	9,550	--	1.4	5.5	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	MANGANESE	470	19,458	0.017	0.55	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	MERCURY	0.043 J	307	0.0010	0.044	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	NICKEL	28	20,439	0.71	2.2	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	POTASSIUM	666 J	--	14	55	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	SELENIUM	2.3 J	5,110	0.88	5.5	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	SODIUM	182	--	17	165	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	VANADIUM	54 J	7,154	0.15	0.55	mg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	ZINC	48	100,000	0.044	0.33	mg/Kg	08/02/02	ATCA	
AP-4338	137	02AVMA33SL	ALUMINUM	20,000	100,000	0.75	4.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	ANTIMONY	0.56 BJ	409	0.23	1.4	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	BARIUM	67	66,577	0.059	0.20	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	BERYLLIUM	0.39	1,941	0.010	0.10	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	CADMIUM	1.1	451	0.035	0.40	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	CALCIUM	15,000	--	0.60	7.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	CHROMIUM, TOTAL	82	448	0.25	1.3	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	COBALT	12	1,921	0.21	1.5	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	COPPER	36	40,877	0.095	0.30	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	IRON	42,000	100,000	0.44	6.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	LEAD	3.4	750	0.95	3.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	MAGNESIUM	13,000	--	1.3	5.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	MANGANESE	600	19,458	0.015	0.50	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	MERCURY	0.060	307	0.0012	0.048	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	NICKEL	42	20,439	0.64	2.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	POTASSIUM	990	--	13	50	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	SELENIUM	7.1	5,110	0.80	5.0	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	SODIUM	350	--	16	150	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	THALLIUM	0.067 J	67	0.038	0.17	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	VANADIUM	78	7,154	0.14	0.50	mg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	ZINC	68	100,000	0.040	0.30	mg/Kg	09/23/02	ATCA	
AP-4339	66	02AVMA29SL	ALUMINUM	16,000	100,000	1.1	6.0	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	BARIUM	41	66,577	0.088	0.30	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	BERYLLIUM	0.32	1,941	0.015	0.15	mg/Kg	08/19/02	ATCA	

TABLE C-17

DRAFT

Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4339	66	02AVMA29SL	CADMIUM	0.84	451	0.052	0.60	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	CALCIUM	12,000	--	0.90	10	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	CHROMIUM, TOTAL	32	448	0.19	1.0	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	COBALT	11	1,921	0.31	2.2	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	COPPER	26	40,877	0.14	0.45	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	IRON	31,000	100,000	0.33	4.5	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	MAGNESIUM	11,000	--	1.9	7.5	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	MANGANESE	510	19,458	0.022	0.75	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	NICKEL	58	20,439	0.96	3.0	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	POTASSIUM	820	--	19	75	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	VANADIUM	59	7,154	0.20	0.75	mg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	ZINC	52	100,000	0.060	0.45	mg/Kg	08/19/02	ATCA	
AP-4339	113	02AVMA32SL	ALUMINUM	15,000	100,000	0.68	3.7	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	ANTIMONY	0.24 J,GQ	409	0.043	0.25	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	ARSENIC	1.5 BJ	1.6	0.55	5.9	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	BARIUM	30	66,577	0.054	0.18	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	BERYLLIUM	0.24	1,941	0.0092	0.092	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	CADMIUM	0.79	451	0.032	0.37	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	CALCIUM	7,300	--	0.55	6.4	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	CHROMIUM, TOTAL	38	448	0.19	0.98	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	COBALT	10	1,921	0.19	1.4	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	COPPER	26	40,877	0.087	0.27	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	IRON	33,000	100,000	0.40	5.5	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	LEAD	2.8	750	0.87	2.7	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	MAGNESIUM	10,000	--	1.1	4.6	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	MANGANESE	480	19,458	0.014	0.46	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	MERCURY	0.051	307	0.0011	0.047	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	NICKEL	34	20,439	0.59	1.8	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	POTASSIUM	510	--	12	46	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	SELENIUM	5.6	5,110	0.73	4.6	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	SODIUM	120 J	--	14	140	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	VANADIUM	53	7,154	0.12	0.46	mg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	ZINC	52	100,000	0.037	0.27	mg/Kg	09/10/02	ATCA	
AP-4341	62	02AVMA34SL	ALUMINUM	14,700	100,000	1.1	5.6	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	ANTIMONY	0.41 B	409	0.065	0.38	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	BARIUM	61	66,577	0.083	0.28	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	BERYLLIUM	0.24	1,941	0.014	0.14	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	CADMIUM	0.69	451	0.049	0.56	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	CALCIUM	9,900	--	0.84	9.9	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	CHROMIUM, TOTAL	33	448	0.26	1.4	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	COBALT	9.2	1,921	0.30	2.1	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	COPPER	32 J	40,877	0.13	0.42	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	IRON	26,500	100,000	0.31	4.2	mg/Kg	09/24/02	ATCA	

TABLE C-17

DRAFT

Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4341	62	02AVMA34SL	LEAD	3.3 J	750	1.3	4.2	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	MAGNESIUM	7,240	--	1.8	7.0	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	MANGANESE	497	19,458	0.021	0.70	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	MERCURY	0.077	307	0.0010	0.043	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	NICKEL	30	20,439	0.90	2.8	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	POTASSIUM	1,010 J	--	18	70	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	SELENIUM	7.5	5,110	1.1	7.0	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	SODIUM	217	--	22	211	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	THALLIUM	0.11 J	67	0.039	0.17	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	VANADIUM	49	7,154	0.19	0.70	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	ZINC	52	100,000	0.056	0.42	mg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA35SL	ALUMINUM	14,400	100,000	1.0	5.6	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	ANTIMONY	0.52 B	409	0.065	0.38	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	ARSENIC	1.7 J	1.6	0.84	9.0	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	BARIIUM	54	66,577	0.082	0.28	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	BERYLLIUM	0.24	1,941	0.014	0.14	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	CADMIUM	0.72	451	0.049	0.56	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	CALCIUM	9,540	--	0.84	9.7	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	CHROMIUM, TOTAL	35	448	0.46	2.4	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	COBALT	9.5	1,921	0.29	2.1	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	COPPER	28 J	40,877	0.13	0.42	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	IRON	25,600	100,000	0.31	4.2	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	LEAD	2.3 J	750	1.3	4.2	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	MAGNESIUM	7,630	--	1.7	7.0	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	MANGANESE	487	19,458	0.021	0.70	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	MERCURY	0.085	307	0.0011	0.046	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	NICKEL	31	20,439	0.89	2.8	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	POTASSIUM	941 J	--	18	70	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	SELENIUM	6.3 J	5,110	1.1	7.0	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	SODIUM	204 J	--	22	209	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	THALLIUM	0.091 J	67	0.034	0.15	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	VANADIUM	48	7,154	0.19	0.70	mg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	ZINC	51	100,000	0.056	0.42	mg/Kg	09/24/02	ATCA	FD
AP-4341	65	02AVMA37SL	ALUMINUM	15,600	100,000	1.2	6.2	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	ANTIMONY	0.56 B	409	0.072	0.42	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	ARSENIC	2.8 J	1.6	0.93	10	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	BARIIUM	59	66,577	0.092	0.31	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	BERYLLIUM	0.26	1,941	0.016	0.16	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	CADMIUM	0.74	451	0.054	0.62	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	CALCIUM	11,500	--	0.93	11	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	CHROMIUM, TOTAL	36	448	0.63	3.3	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	COBALT	9.9	1,921	0.33	2.3	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	COPPER	28 J	40,877	0.15	0.47	mg/Kg	09/25/02	ATCA	

TABLE C-17

DRAFT

Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4341	65	02AVMA37SL	IRON	27,800	100,000	0.34	4.7	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	LEAD	2.5 J	750	1.5	4.7	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	MAGNESIUM	8,080	--	1.9	7.8	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	MANGANESE	487	19,458	0.023	0.78	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	MERCURY	0.078	307	0.0011	0.045	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	NICKEL	35	20,439	1.00	3.1	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	POTASSIUM	1,050 J	--	20	78	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	SELENIUM	7.8	5,110	1.2	7.8	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	SODIUM	197 J	--	24	233	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	THALLIUM	0.18 J	67	0.047	0.21	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	VANADIUM	52	7,154	0.21	0.78	mg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	ZINC	55	100,000	0.062	0.47	mg/Kg	09/25/02	ATCA	
AP-4342	96	02AVMA38SL	ALUMINUM	16,000	100,000	1.0	5.5	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	ANTIMONY	0.37 J,GQ	409	0.082	0.47	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	ARSENIC	75 J	1.6	0.83	9.0	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	BARIIUM	99	66,577	0.081	0.28	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	BERYLLIUM	0.38	1,941	0.014	0.14	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	CADMIUM	0.51 J	451	0.048	0.55	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	CALCIUM	6,900	--	0.83	9.6	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	CHROMIUM, TOTAL	36	448	0.21	1.4	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	COBALT	10	1,921	0.29	2.1	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	COPPER	31	40,877	0.13	0.41	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	IRON	29,000	100,000	0.30	4.1	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	LEAD	3.8 J	750	1.3	4.1	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	MAGNESIUM	8,500	--	1.7	6.9	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	MANGANESE	460	19,458	0.021	0.69	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	MERCURY	0.057	307	0.0011	0.048	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	NICKEL	33	20,439	0.88	2.8	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	POTASSIUM	1,500 J	--	18	69	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	SELENIUM	1.4 J	5,110	1.1	6.9	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	SODIUM	220 J	--	21	210	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	VANADIUM	50	7,154	0.19	0.69	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	ZINC	61	100,000	0.055	0.41	mg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA39SL	ALUMINUM	15,000	100,000	1.3	6.8	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	ANTIMONY	0.44 J,GQ	409	0.083	0.48	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	ARSENIC	2.5 J	1.6	1.0	11	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	BARIIUM	97	66,577	0.10	0.34	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	BERYLLIUM	0.41	1,941	0.017	0.17	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	CADMIUM	0.74	451	0.059	0.68	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	CALCIUM	8,700	--	1.0	12	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	CHROMIUM, TOTAL	46	448	0.26	1.7	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	COBALT	10	1,921	0.36	2.5	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	COPPER	28	40,877	0.16	0.51	mg/Kg	10/10/02	ATCA	FD

TABLE C-17

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Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4342	96	02AVMA39SL	IRON	28,000	100,000	0.37	5.1	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	LEAD	3.7 J	750	1.6	5.1	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	MAGNESIUM	8,300	--	2.1	8.5	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	MANGANESE	440	19,458	0.025	0.85	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	MERCURY	0.067	307	0.0012	0.051	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	NICKEL	34	20,439	1.1	3.4	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	POTASSIUM	1,400 J	--	22	85	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	SODIUM	250 J	--	26	250	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	VANADIUM	54	7,154	0.23	0.85	mg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	ZINC	56	100,000	0.068	0.51	mg/Kg	10/10/02	ATCA	FD
SVOC (SW8270C)											
AP-4336	--	02AVMA25SL	bis(2-ETHYLHEXYL) PHTHALATE	37 J	123,121	35	170	µg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	DI-n-BUTYL PHTHALATE	330 B	6.16E+07	44	170	µg/Kg	08/01/02	ATCA	
AP-4336	73	02AVMA26SL	bis(2-ETHYLHEXYL) PHTHALATE	37 J	123,121	34	170	µg/Kg	08/02/02	ATCA	
AP-4336	73	02AVMA26SL	DI-n-BUTYL PHTHALATE	320 B	6.16E+07	43	170	µg/Kg	08/02/02	ATCA	
AP-4338	137	02AVMA33SL	bis(2-ETHYLHEXYL) PHTHALATE	140 J	123,121	41	210	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	DI-n-BUTYL PHTHALATE	480	6.16E+07	53	210	µg/Kg	09/23/02	ATCA	
AP-4339	66	02AVMA29SL	bis(2-ETHYLHEXYL) PHTHALATE	300 J	123,121	34	170	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	DI-n-BUTYL PHTHALATE	450 JB	6.16E+07	43	170	µg/Kg	08/19/02	ATCA	
AP-4339	113	02AVMA32SL	bis(2-ETHYLHEXYL) PHTHALATE	39 J	123,121	34	170	µg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	DI-n-BUTYL PHTHALATE	130 BJ	6.16E+07	43	170	µg/Kg	09/10/02	ATCA	
AP-4341	62	02AVMA34SL	2-METHYLNAPHTHALENE	270	--	47	170	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	DI-n-BUTYL PHTHALATE	500 JB	6.16E+07	44	170	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	NAPHTHALENE	100 J	187,691	17	170	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA35SL	2-METHYLNAPHTHALENE	250	--	46	170	µg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	DI-n-BUTYL PHTHALATE	230 JB	6.16E+07	44	170	µg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	NAPHTHALENE	78 J	187,691	17	170	µg/Kg	09/24/02	ATCA	FD
AP-4341	65	02AVMA37SL	DI-n-BUTYL PHTHALATE	400 JB	6.16E+07	49	190	µg/Kg	09/25/02	ATCA	
AP-4342	96	02AVMA38SL	DI-n-BUTYL PHTHALATE	240 JB	6.16E+07	48	190	µg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA39SL	DI-n-BUTYL PHTHALATE	100 JB	6.16E+07	49	190	µg/Kg	10/10/02	ATCA	FD
VOC (SW8260B)											
AP-4336	--	02AVMA25SL	ACETONE	36 BJ	6.04E+06	15	44	µg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	METHYL ETHYL KETONE (2-BUTANONE)	41 B	2.71E+07	6.2	19	µg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	METHYLENE CHLORIDE	29 BJ	20,527	15	44	µg/Kg	08/01/02	ATCA	
AP-4336	--	02AVMA25SL	TOLUENE	5.6 BJ	520,000	3.1	9.2	µg/Kg	08/01/02	ATCA	
AP-4336	73	02AVMA26SL	METHYLENE CHLORIDE	23 BJ	20,527	13	40	µg/Kg	08/02/02	ATCA	
AP-4338	137	02AVMA33SL	1,2,4-TRIMETHYLBENZENE	20 B	170,272	3.4	11	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	ETHYLBENZENE	11 J	19,528	4.2	13	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	METHYL ETHYL KETONE (2-BUTANONE)	150 J	2.71E+07	11	34	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	METHYLENE CHLORIDE	31 JB	20,527	27	80	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	NAPHTHALENE	22 J	187,691	2.2	11	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	TOLUENE	30	520,000	5.6	17	µg/Kg	09/23/02	ATCA	
AP-4338	137	02AVMA33SL	XYLENES, m & p	20	420,000	3.4	11	µg/Kg	09/23/02	ATCA	

TABLE C-17

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Data Summary of Hits for the New AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-IND	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4339	66	02AVMA29SL	BENZENE	8.3	1,315	2.4	7.1	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	ETHYLBENZENE	10	19,528	2.5	7.5	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	METHYLENE CHLORIDE	45 BJ	20,527	16	47	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	O-XYLENE (1,2-DIMETHYLBENZENE)	7.3 J	420,000	3.7	11	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	TOLUENE	40	520,000	3.3	9.8	µg/Kg	08/19/02	ATCA	
AP-4339	66	02AVMA29SL	XYLENES, m & p	29	420,000	2.0	6.6	µg/Kg	08/19/02	ATCA	
AP-4339	113	02AVMA32SL	ETHYLBENZENE	13 J	19,528	5.2	16	µg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	METHYLENE CHLORIDE	110 B	20,527	33	99	µg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	TOLUENE	41	520,000	6.9	21	µg/Kg	09/10/02	ATCA	
AP-4339	113	02AVMA32SL	XYLENES, m & p	23	420,000	4.1	14	µg/Kg	09/10/02	ATCA	
AP-4341	62	02AVMA34SL	ETHYLBENZENE	17 J	19,528	5.9	18	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	METHYLENE CHLORIDE	61 BJ	20,527	37	110	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	TETRACHLOROETHYLENE(PCE)	310	3,422	3.7	16	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	TOLUENE	56	520,000	7.8	23	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA34SL	XYLENES, m & p	41	420,000	4.7	16	µg/Kg	09/24/02	ATCA	
AP-4341	62	02AVMA35SL	ETHYLBENZENE	17	19,528	5.5	17	µg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	TETRACHLOROETHYLENE(PCE)	180	3,422	3.5	14	µg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	TOLUENE	44	520,000	7.2	22	µg/Kg	09/24/02	ATCA	FD
AP-4341	62	02AVMA35SL	XYLENES, m & p	39	420,000	4.3	14	µg/Kg	09/24/02	ATCA	FD
AP-4341	65	02AVMA37SL	METHYLENE CHLORIDE	51 BJ	20,527	37	110	µg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	TOLUENE	27	520,000	7.6	23	µg/Kg	09/25/02	ATCA	
AP-4341	65	02AVMA37SL	XYLENES, m & p	34	420,000	4.6	15	µg/Kg	09/25/02	ATCA	
AP-4342	96	02AVMA38SL	IODOMETHANE (METHYL IODIDE)	270 B	--	14	43	µg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	METHYL ETHYL KETONE (2-BUTANONE)	86 B	2.71E+07	18	53	µg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	METHYLENE CHLORIDE	78 BJ	20,527	41	120	µg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA38SL	TETRACHLOROETHYLENE(PCE)	160	3,422	4.1	17	µg/Kg	10/10/02	ATCA	
AP-4342	96	02AVMA39SL	IODOMETHANE (METHYL IODIDE)	160 B	--	13	39	µg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	METHYL ETHYL KETONE (2-BUTANONE)	100 B	2.71E+07	16	47	µg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	METHYLENE CHLORIDE	64 BJ	20,527	37	110	µg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	TETRACHLOROETHYLENE(PCE)	150	3,422	3.7	15	µg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	TOLUENE	23	520,000	7.7	23	µg/Kg	10/10/02	ATCA	FD
AP-4342	96	02AVMA39SL	XYLENES, m & p	18	420,000	4.6	15	µg/Kg	10/10/02	ATCA	FD

TABLEC-18

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG- TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
DRO (AK102)											
AP-3468	--	02AVMA13WA	DIESEL RANGE ORGANICS	0.053 JB	--	0.036	0.18	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	DIESEL RANGE ORGANICS	0.048 JB	--	0.036	0.18	mg/L	08/23/02	ATCA	
AP-3895	--	02AVMA15WA	DIESEL RANGE ORGANICS	0.038 JB	--	0.037	0.19	mg/L	08/26/02	ATCA	
AP-4336	--	02AVMA25WA	DIESEL RANGE ORGANICS	0.74 J	--	0.087	0.43	mg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	DIESEL RANGE ORGANICS	0.21	--	0.037	0.18	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	DIESEL RANGE ORGANICS	1.8	--	0.080	0.40	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	DIESEL RANGE ORGANICS	0.054 J	--	0.041	0.21	mg/L	10/25/02	ATCA	EB
AP-4341	--	02AVMA24WA	DIESEL RANGE ORGANICS	0.092 J	--	0.046	0.23	mg/L	10/24/02	ATCA	
AP-4342	--	02AVMA22WA	DIESEL RANGE ORGANICS	0.25	--	0.040	0.20	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	DIESEL RANGE ORGANICS	0.21	--	0.038	0.19	mg/L	10/23/02	ATCA	FD
GRO (AK101)											
AP-3468	--	02AVMA13WA	GASOLINE RANGE ORGANICS	22 JB	--	3.0	50	µg/L	08/23/02	ATCA	
AP-3532	--	02AVMA02WA	GASOLINE RANGE ORGANICS	4.1 JB	--	3.0	50	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	GASOLINE RANGE ORGANICS	15 JB	--	3.0	50	µg/L	08/19/02	ATCA	
AP-3650	--	02AVMA12WA	GASOLINE RANGE ORGANICS	4.5 JB	--	3.0	50	µg/L	08/23/02	ATCA	
AP-3776	--	02AVMA08WA	GASOLINE RANGE ORGANICS	7.4 JB	--	3.0	50	µg/L	08/21/02	ATCA	
AP-3789	--	02AVMA11WA	GASOLINE RANGE ORGANICS	8.2 JB	--	3.0	50	µg/L	08/23/02	ATCA	
AP-3871	--	02BAVMA06WA	GASOLINE RANGE ORGANICS	4.9 JB	--	3.0	50	µg/L	08/20/02	ATCA	
AP-3872	--	02AVMA10WA	GASOLINE RANGE ORGANICS	4.2 JB	--	3.0	50	µg/L	08/23/02	ATCA	
AP-3893	--	02AVMA19WA	GASOLINE RANGE ORGANICS	6.5 JB	--	3.0	50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	GASOLINE RANGE ORGANICS	7.1 JB	--	3.0	50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	GASOLINE RANGE ORGANICS	6.5 JB	--	3.0	50	µg/L	08/27/02	ATCA	
AP-3895	--	02AVMA14WA	GASOLINE RANGE ORGANICS	5.3 JB	--	3.0	50	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	GASOLINE RANGE ORGANICS	6.0 JB	--	3.0	50	µg/L	08/26/02	ATCA	
AP-3896	--	02AVMA16WA	GASOLINE RANGE ORGANICS	9.5 JB	--	3.0	50	µg/L	08/27/02	ATCA	
AP-4154	--	02BAVMA04WA	GASOLINE RANGE ORGANICS	4.6 JB	--	3.0	50	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	GASOLINE RANGE ORGANICS	5.8 JB	--	3.0	50	µg/L	08/20/02	ATCA	
AP-4336	--	02AVMA25WA	GASOLINE RANGE ORGANICS	23 JB	--	3.0	50	µg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	GASOLINE RANGE ORGANICS	5.0 J	--	3.0	50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	GASOLINE RANGE ORGANICS	9.2 J	--	3.0	50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	GASOLINE RANGE ORGANICS	5.2 J	--	3.0	50	µg/L	10/25/02	ATCA	EB
AP-4339	--	02AVMA20WA	GASOLINE RANGE ORGANICS	5.9 JB	--	3.0	50	µg/L	09/24/02	ATCA	
AP-4341	--	02AVMA24WA	GASOLINE RANGE ORGANICS	35 JB	--	3.0	50	µg/L	10/24/02	ATCA	
AP-4342	--	02AVMA22WA	GASOLINE RANGE ORGANICS	21 JB	--	3.0	50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	GASOLINE RANGE ORGANICS	20 JB	--	3.0	50	µg/L	10/23/02	ATCA	FD
NA	--	02AVMA21WA	GASOLINE RANGE ORGANICS	6.3 JB	--	3.0	50	µg/L	09/26/02	ATCA	
METAL (SW6000/7000)											
AP-3468	--	02AVMA13WA	ALUMINUM	11	36	0.016	0.050	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	BARIUM	0.11	2.6	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	CALCIUM	99	--	0.018	0.10	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	CHROMIUM, TOTAL	0.69	0.11	0.0020	0.010	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	COBALT	0.018	0.73	0.0015	0.0050	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	COPPER	0.037 J	1.5	0.0012	0.0050	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	IRON	18	11	0.0040	0.050	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	MAGNESIUM	15	--	0.030	0.10	mg/L	08/23/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3468	--	02AVMA13WA	MANGANESE	0.34	0.88	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	NICKEL	0.23	0.73	0.0082	0.040	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	POTASSIUM	2.9	--	0.25	1.0	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	SODIUM	7.8	--	0.36	3.0	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	VANADIUM	0.024	0.26	0.0035	0.010	mg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	ZINC	0.67	11	0.0010	0.0050	mg/L	08/23/02	ATCA	
AP-3532	--	02AVMA02WA	BARIUM	0.0060 J	2.6	5.00E-04	0.010	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	CALCIUM	63	--	0.018	0.10	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	CHROMIUM, TOTAL	0.0029 J	0.11	0.0020	0.010	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	IRON	0.035 JB	11	0.0040	0.050	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	MAGNESIUM	9.6	--	0.030	0.10	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	MERCURY	7.20E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	POTASSIUM	0.86 J	--	0.25	1.0	mg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	SODIUM	3.5	--	0.36	3.0	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	BARIUM	0.011	2.6	5.00E-04	0.010	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	CALCIUM	59	--	0.018	0.10	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	CHROMIUM, TOTAL	0.0039 J	0.11	0.0020	0.010	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	IRON	0.036 JB	11	0.0040	0.050	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	MAGNESIUM	8.1	--	0.030	0.10	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	MANGANESE	0.0011 J	0.88	5.00E-04	0.010	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	MERCURY	3.80E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	POTASSIUM	0.60 J	--	0.25	1.0	mg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	SODIUM	3.5	--	0.36	3.0	mg/L	08/19/02	ATCA	
AP-3650	--	02AVMA12WA	ALUMINUM	0.18	36	0.016	0.050	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	BARIUM	0.017	2.6	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	CALCIUM	110	--	0.018	0.10	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	CHROMIUM, TOTAL	0.016	0.11	0.0020	0.010	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	COBALT	0.0038 J	0.73	0.0015	0.0050	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	IRON	0.31	11	0.0040	0.050	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	MAGNESIUM	13	--	0.030	0.10	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	MANGANESE	0.0078 J	0.88	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	NICKEL	0.014 J	0.73	0.0082	0.040	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	POTASSIUM	0.97 J	--	0.25	1.0	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	SODIUM	4.6	--	0.36	3.0	mg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	ZINC	0.33	11	0.0010	0.0050	mg/L	08/23/02	ATCA	
AP-3776	--	02AVMA08WA	ALUMINUM	0.52	36	0.016	0.050	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	BARIUM	0.016	2.6	5.00E-04	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	CALCIUM	70	--	0.018	0.10	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	CHROMIUM, TOTAL	0.085	0.11	0.0020	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	COPPER	0.0044 JB	1.5	0.0012	0.0050	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	IRON	0.93	11	0.0040	0.050	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MAGNESIUM	9.3	--	0.030	0.10	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MANGANESE	0.024	0.88	5.00E-04	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MERCURY	6.00E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	NICKEL	0.038 J	0.73	0.0082	0.040	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	POTASSIUM	0.67 J	--	0.25	1.0	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	SODIUM	3.3	--	0.36	3.0	mg/L	08/21/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3776	--	02AVMA08WA	ZINC	0.0019 J	11	0.0010	0.0050	mg/L	08/21/02	ATCA	
AP-3789	--	02AVMA11WA	ALUMINUM	0.11	36	0.016	0.050	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	BARIUM	0.0062 J	2.6	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	CALCIUM	45	--	0.018	0.10	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	CHROMIUM, TOTAL	0.0047 J	0.11	0.0020	0.010	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	COBALT	0.0026 J	0.73	0.0015	0.0050	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	IRON	0.12	11	0.0040	0.050	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	MAGNESIUM	7.1	--	0.030	0.10	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	MANGANESE	0.0036 J	0.88	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	POTASSIUM	0.62 J	--	0.25	1.0	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	SODIUM	3.2	--	0.36	3.0	mg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	ZINC	0.034	11	0.0010	0.0050	mg/L	08/23/02	ATCA	
AP-3871	--	02BAVMA06WA	ALUMINUM	0.42	36	0.016	0.050	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	ANTIMONY	0.016 J	0.015	0.014	0.050	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	BARIUM	0.014	2.6	5.00E-04	0.010	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	CALCIUM	74	--	0.018	0.10	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	CHROMIUM, TOTAL	0.026	0.11	0.0020	0.010	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	COPPER	0.0029 JB	1.5	0.0012	0.0050	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	IRON	0.51	11	0.0040	0.050	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	MAGNESIUM	9.5	--	0.030	0.10	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	MANGANESE	0.026	0.88	5.00E-04	0.010	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	MERCURY	6.70E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	NICKEL	0.011 J	0.73	0.0082	0.040	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	POTASSIUM	0.88 J	--	0.25	1.0	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	SODIUM	3.5	--	0.36	3.0	mg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	ZINC	0.0042 JB	11	0.0010	0.0050	mg/L	08/20/02	ATCA	
AP-3872	--	02AVMA10WA	ALUMINUM	0.14	36	0.016	0.050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	BARIUM	0.011	2.6	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	CALCIUM	77	--	0.018	0.10	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	CHROMIUM, TOTAL	0.010 J	0.11	0.0020	0.010	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	COBALT	0.012	0.73	0.0015	0.0050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	COPPER	0.0018 J	1.5	0.0012	0.0050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	IRON	0.19	11	0.0040	0.050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	MAGNESIUM	8.1	--	0.030	0.10	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	MANGANESE	0.0032 J	0.88	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	POTASSIUM	0.90 J	--	0.25	1.0	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	SODIUM	3.4	--	0.36	3.0	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	ZINC	0.041	11	0.0010	0.0050	mg/L	08/23/02	ATCA	
AP-3893	--	02AVMA19WA	ALUMINUM	0.57	36	0.016	0.050	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	BARIUM	0.051	2.6	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	CALCIUM	38	--	0.018	0.10	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	CHROMIUM, TOTAL	0.033	0.11	0.0020	0.010	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	IRON	0.76	11	0.0040	0.050	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	MAGNESIUM	9.3	--	0.030	0.10	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	MANGANESE	0.052	0.88	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	NICKEL	0.020 J	0.73	0.0082	0.040	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	POTASSIUM	1.1	--	0.25	1.0	mg/L	08/27/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3893	--	02AVMA19WA	SODIUM	3.5	--	0.36	3.0	mg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	ZINC	0.10	11	0.0010	0.0050	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	BARIUM	0.0045 J	2.6	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	CALCIUM	44	--	0.018	0.10	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	CHROMIUM, TOTAL	0.0030 J	0.11	0.0020	0.010	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	IRON	0.027 J	11	0.0040	0.050	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	MAGNESIUM	6.8	--	0.030	0.10	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	POTASSIUM	0.35 J	--	0.25	1.0	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	SODIUM	2.9 J	--	0.36	3.0	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	ZINC	0.19	11	0.0010	0.0050	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	ALUMINUM	0.017 J	36	0.016	0.050	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	BARIUM	0.0043 J	2.6	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	CALCIUM	44	--	0.018	0.10	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	IRON	0.024 J	11	0.0040	0.050	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	MAGNESIUM	6.8	--	0.030	0.10	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	POTASSIUM	0.54 J	--	0.25	1.0	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	SODIUM	2.9 J	--	0.36	3.0	mg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	ZINC	0.20	11	0.0010	0.0050	mg/L	08/27/02	ATCA	
AP-3895	--	02AVMA14WA	BARIUM	0.0051 J	2.6	5.00E-04	0.010	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	CALCIUM	43	--	0.018	0.10	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	CHROMIUM, TOTAL	0.0029 J	0.11	0.0020	0.010	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	IRON	0.046 J	11	0.0040	0.050	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	MAGNESIUM	7.0	--	0.030	0.10	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	POTASSIUM	0.48 J	--	0.25	1.0	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	SODIUM	2.8 J	--	0.36	3.0	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	ZINC	0.10	11	0.0010	0.0050	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	BARIUM	0.0051 J	2.6	5.00E-04	0.010	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	CALCIUM	43	--	0.018	0.10	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	CHROMIUM, TOTAL	0.0039 J	0.11	0.0020	0.010	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	IRON	0.012 J	11	0.0040	0.050	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	MAGNESIUM	6.8	--	0.030	0.10	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	POTASSIUM	0.58 J	--	0.25	1.0	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	SODIUM	2.7 J	--	0.36	3.0	mg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	ZINC	0.099	11	0.0010	0.0050	mg/L	08/26/02	ATCA	
AP-3896	--	02AVMA16WA	ALUMINUM	0.12	36	0.016	0.050	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	ARSENIC	0.039 J	4.48E-05	0.017	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	BARIUM	0.071	2.6	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	CALCIUM	73	--	0.018	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	CHROMIUM, TOTAL	0.014	0.11	0.0020	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	IRON	0.23	11	0.0040	0.050	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	MAGNESIUM	22	--	0.030	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	MANGANESE	0.17	0.88	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	POTASSIUM	1.5	--	0.25	1.0	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	SODIUM	6.7	--	0.36	3.0	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	ZINC	0.0076	11	0.0010	0.0050	mg/L	08/27/02	ATCA	
AP-4154	--	02BAVMA04WA	ALUMINUM	0.020 JB	36	0.016	0.050	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	BARIUM	0.0087 J	2.6	5.00E-04	0.010	mg/L	08/20/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4154	--	02BAVMA04WA	CALCIUM	51	--	0.018	0.10	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	CHROMIUM, TOTAL	0.0068 JB	0.11	0.0020	0.010	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	IRON	0.037 JB	11	0.0040	0.050	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	MAGNESIUM	8.0	--	0.030	0.10	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	POTASSIUM	0.66 J	--	0.25	1.0	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	SODIUM	3.0	--	0.36	3.0	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	ALUMINUM	1.1	36	0.016	0.050	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	BARIIUM	0.038	2.6	5.00E-04	0.010	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	CALCIUM	59	--	0.018	0.10	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	CHROMIUM, TOTAL	0.042	0.11	0.0020	0.010	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	COBALT	0.0015 J	0.73	0.0015	0.0050	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	COPPER	0.0034 JB	1.5	0.0012	0.0050	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	IRON	1.3	11	0.0040	0.050	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	MAGNESIUM	8.9	--	0.030	0.10	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	MANGANESE	0.045	0.88	5.00E-04	0.010	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	MERCURY	1.30E-04 JB	0.011	3.00E-05	2.00E-04	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	NICKEL	0.022 J	0.73	0.0082	0.040	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	POTASSIUM	1.1	--	0.25	1.0	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	SODIUM	3.2	--	0.36	3.0	mg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	ZINC	0.0031 JB	11	0.0010	0.0050	mg/L	08/20/02	ATCA	
AP-4336	--	02AVMA25WA	ALUMINUM	110	36	0.016	0.050	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	ARSENIC	0.022 J	4.48E-05	0.017	0.10	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	BARIIUM	0.89	2.6	5.00E-04	0.010	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	BERYLLIUM	0.0068	0.073	2.00E-04	0.0010	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	CADMIUM	0.0052 J	0.018	0.0020	0.0060	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	CALCIUM	100	--	0.018	0.10	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	CHROMIUM, TOTAL	0.19	0.11	0.0020	0.010	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	COBALT	0.046	0.73	0.0015	0.0050	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	COPPER	0.24	1.5	0.0012	0.0050	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	IRON	120	11	0.0040	0.050	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	LEAD	0.095	0.015	0.014	0.050	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	MAGNESIUM	45	--	0.030	0.10	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	MANGANESE	2.5	0.88	5.00E-04	0.010	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	MERCURY	4.10E-04	0.011	3.00E-05	2.00E-04	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	NICKEL	0.20	0.73	0.0082	0.040	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	POTASSIUM	10	--	0.25	1.0	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	SELENIUM	0.068 J	0.18	0.027	0.10	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	SODIUM	63	--	0.36	3.0	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	VANADIUM	0.17	0.26	0.0035	0.010	mg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	ZINC	0.50	11	0.0010	0.0050	mg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	ALUMINUM	20	36	0.016	0.050	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	ARSENIC	0.020 J	4.48E-05	0.017	0.10	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	BARIIUM	0.16	2.6	5.00E-04	0.010	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	BERYLLIUM	2.30E-04 J	0.073	2.00E-04	0.0010	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	CALCIUM	64	--	0.018	0.10	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	CHROMIUM, TOTAL	0.062	0.11	0.0020	0.010	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	COBALT	0.016	0.73	0.0015	0.0050	mg/L	10/25/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG- TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4337	--	02AVMA28WA	COPPER	0.12	1.5	0.0012	0.0050	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	IRON	32	11	0.0040	0.050	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	MAGNESIUM	17	--	0.030	0.10	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	MANGANESE	0.78	0.88	5.00E-04	0.010	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	MERCURY	1.60E-04 J	0.011	3.00E-05	2.00E-04	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	NICKEL	0.059	0.73	0.0082	0.040	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	POTASSIUM	4.4	--	0.25	1.0	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	SODIUM	13	--	0.36	3.0	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	VANADIUM	0.062	0.26	0.0035	0.010	mg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	ZINC	0.12	11	0.0010	0.0050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	ALUMINUM	610	36	0.016	0.050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	ANTIMONY	0.060	0.015	0.014	0.050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	ARSENIC	0.13	4.48E-05	0.017	0.10	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	BARIIUM	3.5	2.6	5.00E-04	0.010	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	BERYLLIUM	0.016	0.073	2.00E-04	0.0010	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	CADMIUM	0.035	0.018	0.0020	0.0060	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	CALCIUM	540	--	0.018	0.10	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	CHROMIUM, TOTAL	1.7	0.11	0.0020	0.010	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	COBALT	0.41	0.73	0.0015	0.0050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	COPPER	1.2	1.5	0.0012	0.0050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	IRON	1,200	11	0.020	0.25	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	LEAD	0.18	0.015	0.014	0.050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	MAGNESIUM	370	--	0.030	0.10	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	MANGANESE	22	0.88	5.00E-04	0.010	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	MERCURY	0.0033	0.011	3.00E-05	2.00E-04	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	NICKEL	1.4	0.73	0.0082	0.040	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	POTASSIUM	42	--	0.25	1.0	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	SELENIUM	0.37	0.18	0.027	0.10	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	SODIUM	130	--	0.36	3.0	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	VANADIUM	1.9	0.26	0.0035	0.010	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	ZINC	2.7	11	0.0010	0.0050	mg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	ALUMINUM	0.084	36	0.016	0.050	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	BARIIUM	0.0040 J	2.6	5.00E-04	0.010	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	CALCIUM	0.63	--	0.018	0.10	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	COBALT	0.0025 J	0.73	0.0015	0.0050	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	COPPER	0.053	1.5	0.0012	0.0050	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	IRON	0.20	11	0.0040	0.050	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	MAGNESIUM	0.17	--	0.030	0.10	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	MANGANESE	0.0039 J	0.88	5.00E-04	0.010	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	NICKEL	0.0094 J	0.73	0.0082	0.040	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	POTASSIUM	0.40 J	--	0.25	1.0	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	SODIUM	1.2 J	--	0.36	3.0	mg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	ZINC	0.076	11	0.0010	0.0050	mg/L	10/25/02	ATCA	EB
AP-4339	--	02AVMA20WA	ALUMINUM	7.6 J	36	0.016	0.050	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	BARIIUM	0.074	2.6	5.00E-04	0.010	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	CALCIUM	110	--	0.018	0.10	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	CHROMIUM, TOTAL	0.55	0.11	0.0020	0.010	mg/L	09/24/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4339	--	02AVMA20WA	COBALT	0.019	0.73	0.0015	0.0050	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	COPPER	0.036	1.5	0.0012	0.0050	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	IRON	14	11	0.0040	0.050	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	MAGNESIUM	19	--	0.030	0.10	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	MANGANESE	0.56	0.88	5.00E-04	0.010	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	NICKEL	0.51	0.73	0.0082	0.040	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	POTASSIUM	2.9	--	0.25	1.0	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	SILVER	0.0062 J	0.18	0.0043	0.015	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	SODIUM	5.1	--	0.36	3.0	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	VANADIUM	0.017	0.26	0.0035	0.010	mg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	ZINC	0.076	11	0.0010	0.0050	mg/L	09/24/02	ATCA	
AP-4341	--	02AVMA24WA	ALUMINUM	13	36	0.016	0.050	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	BARIIUM	0.13	2.6	5.00E-04	0.010	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	CALCIUM	96	--	0.018	0.10	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	CHROMIUM, TOTAL	0.023	0.11	0.0020	0.010	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	COBALT	0.011	0.73	0.0015	0.0050	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	COPPER	0.030	1.5	0.0012	0.0050	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	IRON	19	11	0.0040	0.050	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	MAGNESIUM	15	--	0.030	0.10	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	MANGANESE	0.65	0.88	5.00E-04	0.010	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	MERCURY	1.30E-04 J	0.011	3.00E-05	2.00E-04	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	NICKEL	0.031 J	0.73	0.0082	0.040	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	POTASSIUM	3.4	--	0.25	1.0	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	SODIUM	6.3	--	0.36	3.0	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	VANADIUM	0.032	0.26	0.0035	0.010	mg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	ZINC	0.069	11	0.0010	0.0050	mg/L	10/24/02	ATCA	
AP-4342	--	02AVMA22WA	ALUMINUM	56	36	0.016	0.050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	BARIIUM	0.47	2.6	5.00E-04	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	BERYLLIUM	0.0012	0.073	2.00E-04	0.0010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	CADMIUM	0.0024 J	0.018	0.0020	0.0060	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	CALCIUM	90	--	0.018	0.10	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	CHROMIUM, TOTAL	0.14	0.11	0.0020	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	COBALT	0.037	0.73	0.0015	0.0050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	COPPER	0.19	1.5	0.0012	0.0050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	IRON	87	11	0.0040	0.050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	LEAD	0.016 J	0.015	0.014	0.050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MAGNESIUM	35	--	0.030	0.10	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MANGANESE	1.8	0.88	5.00E-04	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MERCURY	3.20E-04	0.011	3.00E-05	2.00E-04	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	NICKEL	0.14	0.73	0.0082	0.040	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	POTASSIUM	8.5	--	0.25	1.0	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	SELENIUM	0.032 J	0.18	0.027	0.10	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	SODIUM	6.3	--	0.36	3.0	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	VANADIUM	0.16	0.26	0.0035	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	ZINC	0.26	11	0.0010	0.0050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	ALUMINUM	86	36	0.016	0.050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	BARIIUM	0.70	2.6	5.00E-04	0.010	mg/L	10/23/02	ATCA	FD

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG- TapWate r	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4342	--	02AVMA23WA	BERYLLIUM	0.0020	0.073	2.00E-04	0.0010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CADMIUM	0.0045 J	0.018	0.0020	0.0060	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CALCIUM	110	--	0.018	0.10	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CHROMIUM, TOTAL	0.21	0.11	0.0020	0.010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	COBALT	0.066	0.73	0.0015	0.0050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	COPPER	0.23	1.5	0.0012	0.0050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	IRON	150	11	0.0040	0.050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	LEAD	0.037 J	0.015	0.014	0.050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	MAGNESIUM	51	--	0.030	0.10	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	MANGANESE	3.0	0.88	5.00E-04	0.010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	MERCURY	6.10E-04	0.011	3.00E-05	2.00E-04	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	NICKEL	0.21	0.73	0.0082	0.040	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	POTASSIUM	12	--	0.25	1.0	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	SODIUM	6.7	--	0.36	3.0	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	VANADIUM	0.24	0.26	0.0035	0.010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	ZINC	0.41	11	0.0010	0.0050	mg/L	10/23/02	ATCA	FD
NA	--	02AVMA21WA	ALUMINUM	0.098	36	0.016	0.050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	BARIUM	0.024	2.6	5.00E-04	0.010	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	CALCIUM	140	--	0.018	0.10	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	CHROMIUM, TOTAL	0.0060 J	0.11	0.0020	0.010	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	COBALT	0.0046 J	0.73	0.0015	0.0050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	IRON	0.24	11	0.0040	0.050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	MAGNESIUM	15	--	0.030	0.10	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	MANGANESE	0.13	0.88	5.00E-04	0.010	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	NICKEL	0.010 J	0.73	0.0082	0.040	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	POTASSIUM	1.3	--	0.25	1.0	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	SODIUM	3.9	--	0.36	3.0	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	ZINC	0.0044 BJ	11	0.0010	0.0050	mg/L	09/26/02	ATCA	
METAL_DISS (SW6000/7000)											
AP-3776	--	02AVMA08WA	BARIUM	0.012 JB	2.6	5.00E-04	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	CALCIUM	75	--	0.018	0.10	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	CHROMIUM, TOTAL	0.0029 J	0.11	0.0020	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	COPPER	0.0014 JB	1.5	0.0012	0.0050	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	IRON	0.018 JB	11	0.0040	0.050	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MAGNESIUM	9.6	--	0.030	0.10	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MANGANESE	0.0012 J	0.88	5.00E-04	0.010	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	MERCURY	6.60E-05 JB	0.011	3.00E-05	2.00E-04	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	POTASSIUM	0.82 J	--	0.25	1.0	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	SODIUM	3.3	--	0.36	3.0	mg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	ZINC	0.0032 J	11	0.0010	0.0050	mg/L	08/21/02	ATCA	
AP-3872	--	02AVMA10WA	BARIUM	0.012	2.6	5.00E-04	0.010	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	CALCIUM	85	--	0.018	0.10	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	CHROMIUM, TOTAL	0.0040 JB	0.11	0.0020	0.010	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	COBALT	0.0021 J	0.73	0.0015	0.0050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	COPPER	0.0024 J	1.5	0.0012	0.0050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	IRON	0.054	11	0.0040	0.050	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	MAGNESIUM	8.8	--	0.030	0.10	mg/L	08/23/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3872	--	02AVMA10WA	POTASSIUM	0.98 J	--	0.25	1.0	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	SODIUM	3.6	--	0.36	3.0	mg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	ZINC	0.049	11	0.0010	0.0050	mg/L	08/23/02	ATCA	
AP-3896	--	02AVMA16WA	ARSENIC	0.059 J	4.48E-05	0.017	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	BARIUM	0.067	2.6	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	CALCIUM	74	--	0.018	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	CHROMIUM, TOTAL	0.0031 BJ	0.11	0.0020	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	COBALT	0.0021 J	0.73	0.0015	0.0050	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	IRON	0.053	11	0.0040	0.050	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	MAGNESIUM	22	--	0.030	0.10	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	MANGANESE	0.17	0.88	5.00E-04	0.010	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	MERCURY	4.00E-05 J	0.011	3.00E-05	2.00E-04	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	POTASSIUM	1.5	--	0.25	1.0	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	SODIUM	6.8	--	0.36	3.0	mg/L	08/27/02	ATCA	
AP-3896	--	02AVMA16WA	ZINC	0.0021 J	11	0.0010	0.0050	mg/L	08/27/02	ATCA	
AP-4154	--	02BAVMA04WA	BARIUM	0.0083 J	2.6	5.00E-04	0.010	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	CALCIUM	55	--	0.018	0.10	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	CHROMIUM, TOTAL	0.0025 BJ	0.11	0.0020	0.010	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	COPPER	0.0019 J	1.5	0.0012	0.0050	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	IRON	0.017 J	11	0.0040	0.050	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	MAGNESIUM	8.4	--	0.030	0.10	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	MERCURY	0.0020	0.011	3.00E-05	2.00E-04	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	POTASSIUM	0.74 J	--	0.25	1.0	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	SODIUM	3.6	--	0.36	3.0	mg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	ZINC	0.0065	11	0.0010	0.0050	mg/L	08/20/02	ATCA	
AP-4342	--	02AVMA22WA	BARIUM	0.037	2.6	5.00E-04	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	CALCIUM	72	--	0.018	0.10	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	IRON	0.061	11	0.0040	0.050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MAGNESIUM	8.6	--	0.030	0.10	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MANGANESE	0.087	0.88	5.00E-04	0.010	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	MERCURY	3.30E-05 J	0.011	3.00E-05	2.00E-04	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	POTASSIUM	1.9	--	0.25	1.0	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	SODIUM	4.0	--	0.36	3.0	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	ZINC	0.010 B	11	0.0010	0.0050	mg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	BARIUM	0.036	2.6	5.00E-04	0.010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CALCIUM	72	--	0.018	0.10	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	IRON	0.13	11	0.0040	0.050	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	MAGNESIUM	8.6	--	0.030	0.10	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	MANGANESE	0.087	0.88	5.00E-04	0.010	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	POTASSIUM	1.7	--	0.25	1.0	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	SODIUM	3.9	--	0.36	3.0	mg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	ZINC	0.012 B	11	0.0010	0.0050	mg/L	10/23/02	ATCA	FD
NA	--	02AVMA21WA	ALUMINUM	0.028 J	36	0.016	0.050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	BARIUM	0.034	2.6	5.00E-04	0.010	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	CALCIUM	280	--	0.018	0.10	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	COBALT	0.0018 J	0.73	0.0015	0.0050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	COPPER	0.0018 J	1.5	0.0012	0.0050	mg/L	09/26/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
NA	--	02AVMA21WA	IRON	0.042 J	11	0.0040	0.050	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	MAGNESIUM	91	--	0.030	0.10	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	MANGANESE	0.56	0.88	5.00E-04	0.010	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	NICKEL	0.011 J	0.73	0.0082	0.040	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	POTASSIUM	2.3	--	0.25	1.0	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	SODIUM	140	--	0.36	3.0	mg/L	09/26/02	ATCA	
NA	--	02AVMA21WA	ZINC	0.027	11	0.0010	0.0050	mg/L	09/26/02	ATCA	
PAH (8270SIM)											
AP-3893	--	02AVMA19WA	BENZO(a)PYRENE	0.17	0.0092	0.023	0.068	µg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	BENZO(b)FLUORANTHENE	0.22 J	0.092	0.014	0.054	µg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	BENZO(g,h,i)PERYLENE	0.21	--	0.032	0.098	µg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	BENZO(k)FLUORANTHENE	0.16	0.92	0.033	0.11	µg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	DIBENZ(a,h)ANTHRACENE	0.24	0.0092	0.052	0.16	µg/L	08/27/02	ATCA	
AP-3893	--	02AVMA19WA	INDENO(1,2,3-c,d)PYRENE	0.22	0.092	0.067	0.22	µg/L	08/27/02	ATCA	
AP-4336	--	02AVMA25WA	2-METHYLNAPHTHALENE	0.060 JB	--	0.013	0.060	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	NAPHTHALENE	0.072 JB	6.2	0.012	0.29	µg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	NAPHTHALENE	0.067 JB	6.2	0.011	0.27	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	NAPHTHALENE	0.060 JB	6.2	0.012	0.29	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	NAPHTHALENE	0.10 JB	6.2	0.013	0.30	µg/L	10/25/02	ATCA	EB
AP-4341	--	02AVMA24WA	NAPHTHALENE	0.062 BJ	6.2	0.012	0.30	µg/L	10/24/02	ATCA	
PESTICIDE (SW8081)											
AP-4336	--	02AVMA25WA	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.011 J	0.037	0.0045	0.014	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	HEPTACHLOR	0.0071 J	0.015	0.0069	0.021	µg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.0075 J	0.037	0.0045	0.013	µg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	HEPTACHLOR	0.0082 J	0.015	0.0069	0.021	µg/L	10/25/02	ATCA	
AP-4342	--	02AVMA22WA	ENDRIN ALDEHYDE	0.0094 J	--	0.0077	0.023	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.0065 J	0.037	0.0046	0.014	µg/L	10/23/02	ATCA	FD
NA	--	02AVMA21WA	ENDOSULFAN SULFATE	0.0056 J	--	0.0047	0.024	µg/L	10/25/02	ATCA	
SVOC (SW8270C)											
AP-3468	--	02AVMA13WA	PHENOL	2.8 J	21,900	0.64	5.9	µg/L	08/23/02	ATCA	
AP-3532	--	02AVMA02WA	DI-n-BUTYL PHTHALATE	3.2 JB	3,650	2.0	6.1	µg/L	08/19/02	ATCA	
AP-3776	--	02AVMA08WA	BENZYL ALCOHOL	7.9 J	10,950	0.70	12	µg/L	08/21/02	ATCA	
AP-3871	--	02BAVMA06WA	bis(2-ETHYLHEXYL) PHTHALATE	2.0 JB	4.8	1.7	5.6	µg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	DI-n-BUTYL PHTHALATE	8.1	3,650	1.8	5.6	µg/L	08/20/02	ATCA	
AP-3893	--	02AVMA19WA	PHENOL	2.2 J	21,900	0.60	5.6	µg/L	08/27/02	ATCA	
AP-4154	--	02BAVMA04WA	DI-n-BUTYL PHTHALATE	2.7 J	3,650	1.8	5.7	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	DI-n-BUTYL PHTHALATE	2.3 J	3,650	1.9	5.8	µg/L	08/20/02	ATCA	
AP-4336	--	02AVMA25WA	DI-n-BUTYL PHTHALATE	6.5 J	3,650	1.8	5.6	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	DI-n-OCTYLPHTHALATE	2.0 J	1,460	0.65	5.6	µg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	DI-n-BUTYL PHTHALATE	2.9 J	3,650	1.7	5.3	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	DI-n-BUTYL PHTHALATE	2.5 J	3,650	1.8	5.6	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	DIMETHYL PHTHALATE	1.4 J	364,867	0.49	5.6	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	DI-n-BUTYL PHTHALATE	7.5	3,650	1.8	5.4	µg/L	10/25/02	ATCA	EB
AP-4339	--	02AVMA20WA	DI-n-BUTYL PHTHALATE	3.0 BJ	3,650	1.8	5.6	µg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	PHENOL	2.6 J	21,900	0.60	5.6	µg/L	09/24/02	ATCA	
AP-4341	--	02AVMA24WA	DI-n-BUTYL PHTHALATE	6.5	3,650	1.9	6.0	µg/L	10/24/02	ATCA	

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Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG- TapWate r	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4342	--	02AVMA22WA	DI-n-BUTYL PHTHALATE	2.3 J	3,650	2.0	6.3	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	DI-n-OCTYLPHTHALATE	1.9 J	1,460	0.73	6.3	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	DI-n-BUTYL PHTHALATE	6.3	3,650	1.8	5.6	µg/L	10/23/02	ATCA	FD
NA	--	02AVMA21WA	DI-n-BUTYL PHTHALATE	7.1 B	3,650	1.8	5.7	µg/L	09/26/02	ATCA	
VOC (SW8260B)											
AP-3468	--	02AVMA13WA	ACETONE	2.4 J	608	0.13	50	µg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	CARBON TETRACHLORIDE	0.12 J	0.17	0.074	0.50	µg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	CHLOROFORM	0.35 J	6.2	0.11	0.50	µg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	P-CYMENE (p-ISOPROPYLTOLUENE)	0.11 J	--	0.039	0.50	µg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	TETRACHLOROETHYLENE(PCE)	30	0.66	0.059	0.50	µg/L	08/23/02	ATCA	
AP-3468	--	02AVMA13WA	TOLUENE	1.2	723	0.067	0.50	µg/L	08/23/02	ATCA	
AP-3532	--	02AVMA02WA	CARBON TETRACHLORIDE	1.5	0.17	0.074	0.50	µg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	CHLOROFORM	0.24 J	6.2	0.11	0.50	µg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	CHLOROMETHANE	0.47 JB	1.5	0.071	2.5	µg/L	08/19/02	ATCA	
AP-3532	--	02AVMA02WA	METHYLENE CHLORIDE	0.77 JB	4.3	0.25	2.0	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	CARBON TETRACHLORIDE	0.22 J	0.17	0.074	0.50	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	CHLOROFORM	0.12 J	6.2	0.11	0.50	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	CHLOROMETHANE	5.2	1.5	0.071	2.5	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	METHYLENE CHLORIDE	3.1 JB	4.3	0.25	2.0	µg/L	08/19/02	ATCA	
AP-3534	--	02AVMA01WA	TETRACHLOROETHYLENE(PCE)	21	0.66	0.059	0.50	µg/L	08/19/02	ATCA	
AP-3650	--	02AVMA12WA	1,1,1-TRICHLOROETHANE	0.44 J	3,172	0.13	0.50	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	ACETONE	4.2 J	608	0.13	50	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	CARBON TETRACHLORIDE	0.35 J	0.17	0.074	0.50	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	CHLOROFORM	0.57	6.2	0.11	0.50	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	METHYLENE CHLORIDE	0.48 BJ	4.3	0.25	2.0	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	P-CYMENE (p-ISOPROPYLTOLUENE)	0.16 J	--	0.039	0.50	µg/L	08/23/02	ATCA	
AP-3650	--	02AVMA12WA	TOLUENE	0.30 J	723	0.067	0.50	µg/L	08/23/02	ATCA	
AP-3776	--	02AVMA08WA	CARBON TETRACHLORIDE	0.18 J	0.17	0.074	0.50	µg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	TETRACHLOROETHYLENE(PCE)	0.48 J	0.66	0.059	0.50	µg/L	08/21/02	ATCA	
AP-3776	--	02AVMA08WA	TOLUENE	0.17 J	723	0.067	0.50	µg/L	08/21/02	ATCA	
AP-3789	--	02AVMA11WA	TETRACHLOROETHYLENE(PCE)	8.3	0.66	0.059	0.50	µg/L	08/23/02	ATCA	
AP-3789	--	02AVMA11WA	TOLUENE	0.20 J	723	0.067	0.50	µg/L	08/23/02	ATCA	
AP-3871	--	02BAVMA06WA	CARBON TETRACHLORIDE	0.49 J	0.17	0.074	0.50	µg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	CHLOROFORM	3.6	6.2	0.11	0.50	µg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	CHLOROMETHANE	0.21 JB	1.5	0.071	2.5	µg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	METHYLENE CHLORIDE	0.51 JB	4.3	0.25	2.0	µg/L	08/20/02	ATCA	
AP-3871	--	02BAVMA06WA	TOLUENE	0.30 JB	723	0.067	0.50	µg/L	08/20/02	ATCA	
AP-3872	--	02AVMA10WA	CHLOROFORM	1.5	6.2	0.11	0.50	µg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	P-CYMENE (p-ISOPROPYLTOLUENE)	0.12 J	--	0.039	0.50	µg/L	08/23/02	ATCA	
AP-3872	--	02AVMA10WA	TOLUENE	0.18 J	723	0.067	0.50	µg/L	08/23/02	ATCA	
AP-3893	--	02AVMA19WA	TOLUENE	0.39 J	723	0.067	0.50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	CHLOROFORM	0.14 J	6.2	0.11	0.50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	CHLOROMETHANE	3.0	1.5	0.071	2.5	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	METHYLENE CHLORIDE	2.8 B	4.3	0.25	2.0	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA17WA	TOLUENE	0.18 J	723	0.067	0.50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	CHLOROFORM	0.14 J	6.2	0.11	0.50	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	CHLOROMETHANE	5.9	1.5	0.071	2.5	µg/L	08/27/02	ATCA	

TABLEC-18

DRAFT

Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3894	--	02AVMA18WA	METHYLENE CHLORIDE	3.2 B	4.3	0.25	2.0	µg/L	08/27/02	ATCA	
AP-3894	--	02AVMA18WA	TOLUENE	0.18 J	723	0.067	0.50	µg/L	08/27/02	ATCA	
AP-3895	--	02AVMA14WA	CHLOROMETHANE	1.4 J	1.5	0.071	2.5	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	METHYLENE CHLORIDE	1.9 BJ	4.3	0.25	2.0	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA14WA	TOLUENE	0.13 JB	723	0.067	0.50	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	CHLOROMETHANE	3.4	1.5	0.071	2.5	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	METHYLENE CHLORIDE	2.6 B	4.3	0.25	2.0	µg/L	08/26/02	ATCA	
AP-3895	--	02AVMA15WA	TOLUENE	0.12 JB	723	0.067	0.50	µg/L	08/26/02	ATCA	
AP-3896	--	02AVMA16WA	TOLUENE	0.31 J	723	0.067	0.50	µg/L	08/27/02	ATCA	
AP-4154	--	02BAVMA04WA	CHLOROMETHANE	0.19 JB	1.5	0.071	2.5	µg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	METHYLENE CHLORIDE	0.70 JB	4.3	0.25	2.0	µg/L	08/20/02	ATCA	
AP-4154	--	02BAVMA04WA	TOLUENE	0.24 JB	723	0.067	0.50	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	1,1,1-TRICHLOROETHANE	1.1	3,172	0.13	0.50	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	CHLOROMETHANE	0.15 JB	1.5	0.071	2.5	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	METHYLENE CHLORIDE	1.0 JB	4.3	0.25	2.0	µg/L	08/20/02	ATCA	
AP-4155	--	02BAVMA05WA	TOLUENE	0.35 JB	723	0.067	0.50	µg/L	08/20/02	ATCA	
AP-4336	--	02AVMA25WA	BENZENE	0.11 JB	0.34	0.10	0.50	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	BROMODICHLOROMETHANE	0.42 J	0.18	0.081	0.50	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	CHLOROFORM	7.0 J	6.2	0.076	0.50	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.84 J	158	0.12	10	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	METHYLENE CHLORIDE	0.96 JB	4.3	0.19	2.0	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	TOLUENE	0.52 JB	723	0.072	0.50	µg/L	10/24/02	ATCA	
AP-4336	--	02AVMA25WA	TRICHLOROETHYLENE (TCE)	0.16 J	0.028	0.081	0.50	µg/L	10/24/02	ATCA	
AP-4337	--	02AVMA28WA	1,2-DICHLOROBENZENE	0.16 J	370	0.095	0.50	µg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	CARBON TETRACHLORIDE	1.2	0.17	0.085	0.50	µg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	CHLOROFORM	0.78	6.2	0.076	0.50	µg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	tert-BUTYL METHYL ETHER	0.17 J	13	0.077	1.0	µg/L	10/25/02	ATCA	
AP-4337	--	02AVMA28WA	TOLUENE	0.37 JB	723	0.072	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	1,1,1-TRICHLOROETHANE	0.29 J	3,172	0.059	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	1,2-DICHLOROBENZENE	1.9	370	0.095	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	1,3-DICHLOROBENZENE	0.19 J	5.5	0.086	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	1,4-DICHLOROBENZENE	0.20 J	0.50	0.079	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	BENZENE	0.11 JB	0.34	0.10	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	CARBON DISULFIDE	0.46 J	1,043	0.090	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	CHLOROFORM	0.78	6.2	0.076	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.30 J	158	0.12	10	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	METHYLENE CHLORIDE	0.80 JB	4.3	0.19	2.0	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	NAPHTHALENE	2.2	6.2	0.081	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA26WA	TOLUENE	0.18 JB	723	0.072	0.50	µg/L	10/25/02	ATCA	
AP-4338	--	02AVMA27WA	1,2-DICHLOROBENZENE	0.33 J	370	0.095	0.50	µg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	CARBON DISULFIDE	0.15 J	1,043	0.090	0.50	µg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	METHYLENE CHLORIDE	0.81 JB	4.3	0.19	2.0	µg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	NAPHTHALENE	0.33 J	6.2	0.081	0.50	µg/L	10/25/02	ATCA	EB
AP-4338	--	02AVMA27WA	TOLUENE	0.19 JB	723	0.072	0.50	µg/L	10/25/02	ATCA	EB
AP-4339	--	02AVMA20WA	BENZENE	0.16 J	0.34	0.064	0.50	µg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	CARBON DISULFIDE	0.11 J	1,043	0.068	0.50	µg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	CARBON TETRACHLORIDE	0.13 J	0.17	0.074	0.50	µg/L	09/24/02	ATCA	

TABLEC-18

DRAFT

Data Summary of Hits for the Existing AVMA Groundwater Monitoring Wells
Fort Richardson, Alaska

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-4339	--	02AVMA20WA	CHLOROFORM	0.73	6.2	0.11	0.50	µg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	METHYLENE CHLORIDE	0.62 BJ	4.3	0.25	2.0	µg/L	09/24/02	ATCA	
AP-4339	--	02AVMA20WA	TOLUENE	0.42 JB	723	0.067	0.50	µg/L	09/24/02	ATCA	
AP-4341	--	02AVMA24WA	CARBON TETRACHLORIDE	0.38 J	0.17	0.085	0.50	µg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	METHYLENE CHLORIDE	0.76 JB	4.3	0.19	2.0	µg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	TETRACHLOROETHYLENE(PCE)	1.8 J	0.66	0.066	0.50	µg/L	10/24/02	ATCA	
AP-4341	--	02AVMA24WA	TOLUENE	0.090 JB	723	0.072	0.50	µg/L	10/24/02	ATCA	
AP-4342	--	02AVMA22WA	CARBON TETRACHLORIDE	0.75 J	0.17	0.085	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	CHLOROFORM	0.27 J	6.2	0.076	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	METHYLENE CHLORIDE	0.43 JB	4.3	0.19	2.0	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	O-XYLENE (1,2-DIMETHYLBENZENE)	0.12 J	210	0.11	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	TETRACHLOROETHYLENE(PCE)	38 J	0.66	0.066	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	TOLUENE	0.38 J	723	0.072	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA22WA	XYLENES, m & p	1.1 J	210	0.18	0.50	µg/L	10/23/02	ATCA	
AP-4342	--	02AVMA23WA	1,1,1,2-TETRACHLOROETHANE	0.10 J	0.43	0.091	0.50	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	BROMOMETHANE	0.15 J	8.7	0.068	2.0	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CARBON TETRACHLORIDE	0.80 J	0.17	0.085	0.50	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CHLOROFORM	0.29 J	6.2	0.076	0.50	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	CHLOROMETHANE	2.2 J	1.5	0.072	2.5	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	METHYLENE CHLORIDE	1.0 JB	4.3	0.19	2.0	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	TETRACHLOROETHYLENE(PCE)	38 J	0.66	0.066	0.50	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA23WA	TOLUENE	0.39 J	723	0.072	0.50	µg/L	10/23/02	ATCA	FD
AP-4342	--	02AVMA29WA	CARBON TETRACHLORIDE	0.44 J	0.17	0.085	0.50	µg/L	11/14/02	ATCA	
AP-4342	--	02AVMA29WA	CHLOROFORM	0.28 J	6.2	0.076	0.50	µg/L	11/14/02	ATCA	
AP-4342	--	02AVMA29WA	METHYLENE CHLORIDE	0.49 JB	4.3	0.19	2.0	µg/L	11/14/02	ATCA	
AP-4342	--	02AVMA29WA	TETRACHLOROETHYLENE(PCE)	49	0.66	0.066	0.50	µg/L	11/14/02	ATCA	
AP-4342	--	02AVMA29WA	TOLUENE	0.10 J	723	0.072	0.50	µg/L	11/14/02	ATCA	
NA	--	02AVMA21WA	1,1,1-TRICHLOROETHANE	1.1	3,172	0.50	1.0	µg/L	09/26/02	STL8	
NA	--	02AVMA21WA	CARBON TETRACHLORIDE	0.56 J	0.17	0.50	1.0	µg/L	09/26/02	STL8	
NA	--	02AVMA21WA	CHLOROMETHANE	3.3	1.5	0.50	1.0	µg/L	09/26/02	STL8	
NA	--	02AVMA21WA	METHYLENE CHLORIDE	2.0 B	4.3	0.50	1.0	µg/L	09/26/02	STL8	

TABLE C-19
Data Summary for Ft Richardson - Water
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
BTEX (SW8021)											
AP-2980	--	02FROEWA24	TOLUENE	0.43 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
AP-3441	--	02FROEWA15	TOLUENE	0.48 J	723	0.24	1.0	µg/L	08/28/02	ATCA	
AP-3467	--	02FROEWA19	TOLUENE	0.26 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
AP-3467	--	02FROEWA20	TOLUENE	0.29 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA21	TOLUENE	0.47 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA22	TOLUENE	0.37 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
AP-3774	--	02FROEWA16	TOLUENE	0.45 J	723	0.24	1.0	µg/L	08/28/02	ATCA	
AP-3775	--	02FROEWA14	TOLUENE	0.35 J	723	0.24	1.0	µg/L	08/28/02	ATCA	
AP-3790	--	02FROEWA23	TOLUENE	0.33 J	723	0.24	1.0	µg/L	08/29/02	ATCA	
DRO (AK102)											
AP-2980	--	02FROEWA24	DIESEL RANGE ORGANICS	0.038 J	--	0.035	0.18	mg/L	08/29/02	ATCA	
AP-3774	--	02FROEWA16	DIESEL RANGE ORGANICS	0.054 J	--	0.037	0.18	mg/L	08/28/02	ATCA	
GRO (AK101)											
AP-2980	--	02FROEWA24	GASOLINE RANGE ORGANICS	4.4 JB	--	3.0	50	µg/L	08/29/02	ATCA	
AP-3441	--	02FROEWA15	GASOLINE RANGE ORGANICS	5.1 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3467	--	02FROEWA19	GASOLINE RANGE ORGANICS	4.6 JB	--	3.0	50	µg/L	08/29/02	ATCA	
AP-3467	--	02FROEWA20	GASOLINE RANGE ORGANICS	4.3 JB	--	3.0	50	µg/L	08/29/02	ATCA	
AP-3469	--	02FROEWA18	GASOLINE RANGE ORGANICS	5.1 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3483	--	02FROEWA17	GASOLINE RANGE ORGANICS	5.1 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3772	--	02FROEWA13	GASOLINE RANGE ORGANICS	7.3 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3773	--	02FROEWA21	GASOLINE RANGE ORGANICS	6.2 JB	--	3.0	50	µg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA22	GASOLINE RANGE ORGANICS	5.1 JB	--	3.0	50	µg/L	08/29/02	ATCA	
AP-3774	--	02FROEWA16	GASOLINE RANGE ORGANICS	8.0 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3775	--	02FROEWA14	GASOLINE RANGE ORGANICS	5.7 JB	--	3.0	50	µg/L	08/28/02	ATCA	
AP-3790	--	02FROEWA23	GASOLINE RANGE ORGANICS	4.2 JB	--	3.0	50	µg/L	08/29/02	ATCA	
PAH (8270SIM)											
AP-3483	--	02FROEWA17	BENZO(b)FLUORANTHENE	0.056 J	0.092	0.015	0.056	µg/L	08/28/02	ATCA	
AP-3483	--	02FROEWA17	DIBENZ(a,h)ANTHRACENE	0.056 J	0.0092	0.053	0.17	µg/L	08/28/02	ATCA	
RRO (AK103)											
AP-2980	--	02FROEWA24	RESIDUAL RANGE ORGANICS	0.23 JB	--	0.060	0.30	mg/L	08/29/02	ATCA	
AP-3441	--	02FROEWA15	RESIDUAL RANGE ORGANICS	0.14 JB	--	0.062	0.31	mg/L	08/28/02	ATCA	
AP-3467	--	02FROEWA19	RESIDUAL RANGE ORGANICS	0.11 JB	--	0.060	0.30	mg/L	08/29/02	ATCA	
AP-3467	--	02FROEWA20	RESIDUAL RANGE ORGANICS	0.11 JB	--	0.062	0.31	mg/L	08/29/02	ATCA	
AP-3469	--	02FROEWA18	RESIDUAL RANGE ORGANICS	0.12 JB	--	0.062	0.31	mg/L	08/28/02	ATCA	
AP-3483	--	02FROEWA17	RESIDUAL RANGE ORGANICS	0.13 JB	--	0.059	0.30	mg/L	08/28/02	ATCA	
AP-3772	--	02FROEWA13	RESIDUAL RANGE ORGANICS	0.14 JB	--	0.060	0.30	mg/L	08/28/02	ATCA	
AP-3773	--	02FROEWA21	RESIDUAL RANGE ORGANICS	0.11 JB	--	0.061	0.31	mg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA22	RESIDUAL RANGE ORGANICS	0.10 JB	--	0.060	0.30	mg/L	08/29/02	ATCA	

TABLE C-19
Data Summary for Ft Richardson - Water
Fort Richardson, Alaska

DRAFT

Location	Depth (ft bgs)	Field Sample ID	Parameter	Value	PRG-TapWater	Detection Limit	Reporting Limit	Units	Date	Lab	QA/QC
AP-3774	--	02FROEWA16	RESIDUAL RANGE ORGANICS	0.16 JB	--	0.062	0.31	mg/L	08/28/02	ATCA	
AP-3775	--	02FROEWA14	RESIDUAL RANGE ORGANICS	0.14 JB	--	0.062	0.31	mg/L	08/28/02	ATCA	
AP-3790	--	02FROEWA23	RESIDUAL RANGE ORGANICS	0.11 JB	--	0.060	0.30	mg/L	08/29/02	ATCA	
SVOC (SW8270C)											
AP-2980	--	02FROEWA24	BENZYL ALCOHOL	1.4 J	10,950	0.67	11	µg/L	08/29/02	ATCA	
AP-3467	--	02FROEWA19	bis(2-ETHYLHEXYL) PHTHALATE	2.2 JB	4.8	1.8	5.8	µg/L	08/29/02	ATCA	
AP-3467	--	02FROEWA19	DI-n-BUTYL PHTHALATE	2.8 BJ	3,650	1.9	5.8	µg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA21	DI-n-BUTYL PHTHALATE	2.2 JB	3,650	1.9	5.8	µg/L	08/29/02	ATCA	
AP-3790	--	02FROEWA23	DI-n-BUTYL PHTHALATE	1.8 BJ	3,650	1.8	5.4	µg/L	08/29/02	ATCA	
VOC (SW8260B)											
AP-2980	--	02FROEWA24	CHLOROFORM	5.6	6.2	0.25	2.0	µg/L	08/29/02	ATCA	
AP-2980	--	02FROEWA24	TOLUENE	0.53 J	723	0.25	2.0	µg/L	08/29/02	ATCA	
AP-3441	--	02FROEWA15	CHLOROFORM	1.3 J	6.2	0.25	2.0	µg/L	08/28/02	ATCA	
AP-3441	--	02FROEWA15	METHYLENE CHLORIDE	6.0 JB	4.3	1.2	5.0	µg/L	08/28/02	ATCA	
AP-3467	--	02FROEWA20	ACETONE	6.5 J	608	1.2	50	µg/L	08/29/02	ATCA	
AP-3483	--	02FROEWA17	METHYLENE CHLORIDE	3.3 JB	4.3	1.2	5.0	µg/L	08/28/02	ATCA	
AP-3772	--	02FROEWA13	CHLOROMETHANE	1.8 J	1.5	0.29	5.0	µg/L	08/28/02	ATCA	
AP-3772	--	02FROEWA13	METHYLENE CHLORIDE	4.8 JB	4.3	1.2	5.0	µg/L	08/28/02	ATCA	
AP-3773	--	02FROEWA21	ACETONE	1.4 JB	608	1.2	50	µg/L	08/29/02	ATCA	
AP-3773	--	02FROEWA21	TOLUENE	0.56 J	723	0.25	2.0	µg/L	08/29/02	ATCA	
AP-3774	--	02FROEWA16	METHYLENE CHLORIDE	3.2 JB	4.3	1.2	5.0	µg/L	08/28/02	ATCA	
AP-3775	--	02FROEWA14	METHYLENE CHLORIDE	2.3 JB	4.3	1.2	5.0	µg/L	08/28/02	ATCA	
AP-3775	--	02FROEWA14	TETRACHLOROETHYLENE(PCE)	0.61 J	0.66	0.12	2.0	µg/L	08/28/02	ATCA	
AP-3790	--	02FROEWA23	CHLOROFORM	1.3 J	6.2	0.25	2.0	µg/L	08/29/02	ATCA	

Appendix D

Sample Tracking Logs

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SAMPLE TRACKING LOG

Fort Richardson


Operable Unit E, RI - MONITORING WELL INSTALLATION

Date	TIME	Sample Location	Sample ID	Depth (ft)	Matrix	Type
08/01/2002	1040	MW2 (AP4336) 5 - 7.5	02AVMA25SL	6	5 - 7.5	FIELD
08/02/2002	1030	MW2 (AP4336) 72.5-75	02AVMA26SL	73	72.5 - 75	FIELD
08/02/2002	1530	MW2 (AP4336) 110-112	02AVMA01GT	111	110 - 112	GEOTECH
08/06/2002	1030	MW1 (AP4337) 10 -12.5	02AVMA27SL	11	10 - 12.5	FIELD
08/07/2002	1520	MW1 (AP4337) 92.5 - 95	02AVMA28SL	93	92.5 - 95	FIELD
08/07/2002	1740	MW1 (AP4337) 100 - 102	02AVMA02GT	101	100 - 102	GEOTECH
08/19/2002	1345	MW7 (AP4339) 65 - 67.5	02AVMA29SL	66	65 - 67.5	FIELD
08/30/2002	1405	MA6 (AP4340) 117.5-120	02AVMA30SL	119	117.5 - 120	FIELD
09/04/2002	1550	MW5 (AP4338) 115-117.5	02AVMA31SL	116	115 - 117.5	FIELD
09/10/2002	1504	MW7 (AP4339) 112.5-115	02AVMA32SL	113	112.5 - 115	FIELD
09/10/2002	1520	MW7 (AP4339) 115-117	02AVMA03GT	116	115 - 117	GEOTECH
09/23/2002	1120	MW5 (AP4338) 135-140	02AVMA33SL	137	135 - 140	FIELD
09/24/2002	1645	MW4 (AP4341) 60-62.5	02AVMA34SL	62	60 - 62.5	FIELD
09/24/2002	1650	MW4 (AP4341) 61-62.5	02AVMA35SL	62	61 - 62.5	DUPLICATE
09/24/2002	1700	MW4 (AP4341) 62-62.5	02AVMA36SL	62	62 - 62.5	QA DUPLICATE
09/25/2002	935	MW4 (AP4341) 62.5-65	02AVMA37SL	65	62.5 - 65	FIELD
10/10/2002	1530	MW3 (AP4342) 95-97.5	02AVMA38SL	95	95-97.5	FIELD
10/10/2002	1535	MW3 (AP4342) 95-97.5	02AVMA39SL	95	95-97.5	DUPLICATE
10/10/2002	1540	MW3 (AP4342) 95-97.5	02AVMA40SL	95	95-97.5	QA DUPLICATE


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		SAMPLE TRACKING LOG				
Fort Richardson						
Operable Unit E, RI - Building 35-752 Soil Borings						
Date	TIME	Sample Location	Sample ID	Depth (ft)	Matrix	Type
Transformer Mounting Area						
08/01/2002	12:00	T1	02B75201	0	soil	FIELD
08/01/2002	10:54	T2	02B75204SL	1	soil	FIELD
10/15/2002	11:25	T2	02B752205	1	soil	FIELD
08/01/2002	10:56	T3	02B75207SL	1.5	soil	FIELD
08/01/2002	12:05	T4	02B75210	0	soil	FIELD
08/01/2002	11:12	T5	02B75213SL	1	soil	FIELD
10/15/2002	11:30	T5	02B752214	1	soil	FIELD
08/01/2002	11:10	T6	02B75216SL	1.5	soil	FIELD
10/15/2002	11:35	T6	02B752218	1	soil	FIELD
08/01/2002	12:10	T7	02B75219	0	soil	FIELD
08/01/2002	11:06	T8	02B75222SL	1	soil	FIELD
08/01/2002	12:15	T10	02B75228	0	soil	FIELD
08/01/2002	12:16	T10	02B75229	0	soil	FIELD DUPLICATE
08/01/2002	12:17	T10	02B752256SL	1	soil	QA SAMPLE
08/01/2002	11:24	T11	02B75232SL	1	soil	FIELD
10/15/2002	11:40	T11	02B752233	1	soil	FIELD
08/01/2002	12:20	T13	02B75238	0	soil	FIELD
08/01/2002	11:42	T15	02B75244SL	1.5	soil	FIELD
10/15/2002	11:45	T15	02B752246	1	soil	FIELD
08/01/2002	12:25	T16	02B75247	0	soil	FIELD
08/01/2002	11:46	T17	02B75250SL	1	soil	FIELD
08/01/2002	12:30	T19	02B75256	0	soil	FIELD
Perimeter Road						
07/30/2002	14:57	P1	02B752130SL	0 - 0.5	soil	FIELD
07/30/2002	14:55	P1	02B752132SL	1.5 - 2	soil	NONE
07/30/2002	14:03	P2	02B752134SL	1 - 1.5	soil	FIELD
07/30/2002	12:00	P5	02B752143SL	1 - 1.5	soil	FIELD
07/30/2002	11:05	P6	02B752147SL	1.5 - 2	soil	FIELD
07/30/2002	16:05	P7	02B752148SL	0 - 0.5	soil	FIELD
07/30/2002	16:25	P8	02B752152SL	1 - 1.5	soil	FIELD
07/30/2002	16:30	P9	02B752156SL	1.5 - 2	soil	FIELD
07/30/2002	16:00	P10	02B752157SL	0 - 0.5	soil	FIELD
07/30/2002	16:02	P10	02B752158SL	0 - 0.5	soil	FIELD DUPLICATE
07/30/2002	16:04	P10	02B752255SL	0 - 0.5	soil	QA SAMPLE
07/30/2002	10:50	P11	02B752162SL	1-1.5	soil	FIELD
07/29/2002	16:55	P12	02B752166SL	1.5 - 2	soil	FIELD
07/30/2002	14:40	P13	02B752167SL	0 - 0.5	soil	FIELD
07/30/2002	13:00	P14	02B752171SL	1 - 1.5	soil	FIELD
07/30/2002	12:15	P15	02B752175SL	1.5 - 2	soil	FIELD
07/30/2002	11:39	P16	02B752176SL	0 - 0.5	soil	FIELD
07/30/2002	11:40	P16	02B752177SL	1-1.5	soil	FIELD
07/30/2002	11:41	P16	02B752178SL	1.5-2	soil	FIELD
07/30/2002	16:40	P17	02B752180SL	1 - 1.5	soil	FIELD
07/30/2002	11:00	P18	02B752184SL	1.5-2	soil	FIELD
07/29/2002	16:40	P19	02B752185SL	0 - 0.5	soil	FIELD
07/29/2002	16:20	P20	02B752189SL	1 - 1.5	soil	FIELD
07/29/2002	16:20	P20	02B752190SL	1 - 1.5	soil	FIELD DUPLICATE
07/29/2002	16:20	P20	02B752253SL	1 - 1.5	soil	QA SAMPLE
07/30/2002	15:15	P21	02B752193SL	1 - 1.5	soil	FIELD
07/30/2002	15:05	P22	02B752197SL	1.5 - 2	soil	FIELD
07/30/2002	14:50	P23	02B752198SL	0 - 0.5	soil	FIELD
07/30/2002	14:00	P24	02B752202SL	1 - 1.5	soil	FIELD
07/30/2002	13:50	P25	02B752206SL	1.5 - 2	soil	FIELD
07/30/2002	13:20	P26	02B752207SL	0-0.5	soil	FIELD
07/30/2002	13:21	P26	02B752208SL	0-0.5	soil	FIELD
07/30/2002	12:25	P27	02B752211SL	1 - 1.5	soil	FIELD
07/30/2002	11:20	P28	02B752215SL	1.5 - 2	soil	FIELD
07/30/2002	15:45	P29	02B752216SL	0 - 0.5	soil	FIELD
07/30/2002	15:51	P29	02B752217SL	1-1.5	soil	FIELD
07/30/2002	15:30	P30	02B752220SL	1 - 1.5	soil	FIELD
07/30/2002	15:35	P30	02B752221SL	1 - 1.5	soil	FIELD DUPLICATE
07/30/2002	15:40	P30	02B752254SL	1 - 1.5	soil	QA SAMPLE


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		SAMPLE TRACKING LOG				
Fort Richardson						
Operable Unit E, RI - Building 35-752 Soil Borings						
Date	TIME	Sample Location	Sample ID	Depth (ft)	Matrix	Type
SOIL STOCKPILE						
07/26/2002	13:25	S30	02B75287SL	1 - 1.5	soil	Field
07/26/2002	13:27	S31	02B75264SL	1 - 1.5	soil	Field
07/26/2002	13:30	S32	02B75265SL	0 - 0.5	soil	Field
07/26/2002	13:35	S34	02B75270SL	1 - 1.5	soil	Field
07/26/2002	13:40	S35	02B75271SL	0 - 0.5	soil	Field
07/26/2002	13:44	S36	02B75273SL	0-0.5	soil	Field
07/26/2002	13:50	S37	02B75275SL	1-1.5	soil	Field
07/26/2002	13:48	S37	02B75276SL	1 - 1.5	soil	Field
07/26/2002	13:52	S38	02B75277SL	0 - 0.5	soil	Field
07/26/2002	13:56	S39	02B75279SL	0 - 0.5	soil	Field
07/26/2002	14:00	S40	02B75281SL	0 - 0.5	soil	Field
07/26/2002	14:04	S41	02B75283SL	0 - 0.5	soil	Field
07/26/2002	14:06	S41	02B75284SL	0 - 0.5	soil	FIELD DUPLICATE
07/26/2002	14:07	S41	02B752250SL	0 - 0.5	soil	QA SAMPLE
BURN PIT						
07/26/2002	15:12	AP-4328	02B75288SL	0 - 0.5	soil	Field
07/26/2002	15:32	AP-4328	02B75290SL	5 - 5.5	soil	Field
07/26/2002	16:08	AP-4329	02B75294SL	2 - 2.5	soil	Field
07/26/2002	16:21	AP-4329	02B75296SL	7 - 7.5	soil	Field
07/29/2002	10:55	AP-4330	02B75298SL	0 - 0.5	soil	Field
07/29/2002	11:20	AP-4330	02B752102SL	10 - 10.5	soil	Field
07/29/2002	11:30	AP-4331	02B752104SL	2 - 2.5	soil	Field
07/29/2002	11:40	AP-4331	02B752105SL	5 - 5.5	soil	Field
07/29/2002	11:45	AP-4331	02B752106SL	5 - 5.5	soil	FIELD DUPLICATE
07/29/2002	12:35	AP-4332	02B752113SL	10 - 10.5	soil	Field
07/29/2002	14:00	AP-4333	02B752114SL	0 - 0.5	soil	Field
07/29/2002	14:05	AP-4333	02B752116SL	5 - 5.5	soil	Field
07/29/2002	14:30	AP-4334	02B752120SL	2 - 2.5	soil	Field
07/29/2002	14:45	AP-4334	02B752123SL	10 - 10.5	soil	Field
07/29/2002	15:10	AP-4335	02B752124SL	0 - 0.5	soil	Field
07/29/2002	15:45	AP-4335	02B752127SL	7 - 7.5	soil	Field
07/29/2002	15:50	AP-4335	02B752128SL	7 - 7.5	soil	FIELD DUPLICATE

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		SAMPLE TRACKING LOG Fort Richardson Operable Unit E, RI - TRENCHES				
Date	TIME	Sample Location	Sample ID	Depth (ft)	Matrix	Type
07/22/2002	1100	T1/6'	02AVMA01SL	0.5	SOIL	FIELD
07/22/2002	1120	T1/0'	02AVMA02SL	3.5	SOIL	FIELD
07/22/2002	1340	T1/15'	02AVMA03SL	8	SOIL	FIELD
07/22/2002	1400	T1/15'	02AVMA04SL	16	SOIL	FIELD
07/22/2002	1430	T1/50'	02AVMA05SL	21	SOIL	FIELD
07/22/2002	1520	T2/16'	02AVMA06SL	0.5	SOIL	FIELD
07/22/2002	1540	T2/15'	02AVMA07SL	4	SOIL	FIELD
07/23/2002	850	T2/28'	02AVMA08SL	13	SOIL	FIELD
07/23/2002	855	T2/28'	02AVMA09SL	13	SOIL	FIELD DUPLICATE (08)
07/23/2002	900	T2/28'	02AVMA10SL	13	SOIL	QA DUPLICATE (08)
07/23/2002	925	T2/16'	02AVMA11SL	8	SOIL	FIELD
07/23/2002	955	T2/0'	02AVMA12SL	20	SOIL	FIELD (MS/MSD)
07/23/2002	1135	T3/35'	02AVMA13SL	0.5	SOIL	FIELD
07/23/2002	1155	T3/16'	02AVMA14SL	4	SOIL	FIELD
07/23/2002	1325	T3/45'	02AVMA15SL	20	SOIL	FIELD
07/23/2002	1400	T3/12'	02AVMA16SL	15	SOIL	FIELD
07/23/2002	1620	T3/0'	02AVMA17SL	22	SOIL	FIELD
07/24/2002	830	T4/20'	02AVMA18SL	0.5	SOIL	FIELD
07/24/2002	900	T4/45'	02AVMA19SL	4	SOIL	FIELD
07/24/2002	905	T4/45'	02AVMA20SL	4	SOIL	FIELD DUPLICATE (19)
07/24/2002	915	T4/45'	02AVMA21SL	4	SOIL	QA DUPLICATE (19)
07/24/2002	935	T4/43'	02AVMA22SL	15	SOIL	FIELD
07/24/2002	1100	T4/12'	02AVMA23SL	3	SOIL	FIELD
07/24/2002	1135	T4/12'	02AVMA24SL	4.5	SOIL	FIELD
08/19/2002	950	T5/Q1	OUE02T5LS01	0.5	SOIL	FIELD
08/19/2002	1028	T5/Q1	OUE02T5LS02	15	SOIL	FIELD
08/19/2002	1105	T5/Q2	OUE02T5LS03	20	SOIL	FIELD
08/19/2002	1305	T5/Q3	OUE02T5LS04	25	SOIL	FIELD
08/19/2002	1332	T5/Q4	OUE02T5LS05	10	SOIL	FIELD
08/19/2002	1638	T6/Q1	OUE02T6LS06	15	SOIL	FIELD
08/19/2002	1755	T6/Q2	OUE02T6LS07	25	SOIL	FIELD
08/20/2002	755	T6/Q3	OUE02T6LS08	0.5	SOIL	FIELD
08/20/2002	805	T6/Q3	OUE02T6LS09	5	SOIL	FIELD
08/20/2002	905	T6/Q3	OUE02T6LS10	5	SOIL	FIELD DUPLICATE (9)
08/20/2002	855	T6/Q4	OUE02T6LS11	5	SOIL	FIELD
08/20/2002	1256	T7/Q1	OUE02T7LS12	5	SOIL	FIELD
08/20/2002	1256	T7/Q1	OUE02T7LS12	5	SOIL	QA DUPLICATE (12)
08/20/2002	1305	T7/Q1	OUE02T7LS13	10	SOIL	FIELD
08/20/2002	1400	T7/Q2	OUE02T7LS14	15	SOIL	FIELD
08/20/2002	1505	T7/Q3	OUE02T7LS15	20	SOIL	FIELD
08/20/2002	1610	T7/Q4	OUE02T7LS16	25	SOIL	FIELD
08/21/2002	1020	T8/Q1	OUE02T8LS17	0.5	SOIL	FIELD
08/21/2002	1020	T8/Q1	OUE02T8LS17	0.5	SOIL	QA DUPLICATE (12)
08/21/2002	1130	T8/Q2	OUE02T8LS18	15	SOIL	FIELD
08/21/2002	1407	T8/Q4	OUE02T8LS19	25	SOIL	FIELD
08/21/2002	1500	T8/Q2	OUE02T8LS20	15	SOIL	FIELD DUPLICATE (18)
08/22/2002	915	T9/Q3	OUE02T9LS21	15	SOIL	FIELD
08/22/2002	1005	T9/Q4	OUE02T9LS22	15	SOIL	FIELD
08/22/2002	1005	T9/Q4	OUE02T9LS22	15	SOIL	QA DUPLICATE (22)
08/22/2002	1045	T9/Q4	OUE02T9LS23	1	SOIL	FIELD
08/22/2002	1200	T9/Q3	OUE02T9LS24	15	SOIL	FIELD DUPLICATE (21)
08/21/2002	1700	T9/Q2	OUE02T9LS25	5	SOIL	FIELD

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		SAMPLE TRACKING LOG				
		Fort Richardson				
		Operable Unit E, RI - WATER SAMPLING				
Date	TIME	Sample Location	Sample ID	Depth (ft)	Matrix	Type
08/15/2002	1510	AP-3503	02B75201WA	22	WATER	FIELD
08/15/2002	1630	AP-2982	02B75202WA	19	WATER	FIELD
08/16/2002	1000	AP-2983	02B75203WA	20	WATER	FIELD, MS/MSD
08/16/2002	1350	AP-3458	02B75204WA	32	WATER	FIELD
08/16/2002	1400	NA	02B75205WA	NA	WATER	RINSATE
08/16/2002	1505	AP-2987	02B75206WA	15	WATER	FIELD
08/16/2002	1600	AP-3231	02B75207WA	19	WATER	FIELD
08/19/2002	1100	AP-3232	02B75208WA	18.3	WATER	FIELD
08/19/2002	1105	AP-3232	02B75209WA	18.3	WATER	DUPLICATE
08/19/2002	1330	AP-3534	02AVMA01WA	117	WATER	FIELD
08/19/2002	1445	AP-3532	02AVMA02WA	120	WATER	FIELD
08/19/2002	1600	NA	02AVMA03WA	NA	WATER	RINSATE
08/29/2002	1110	AP-3232	02B75210WA	18.3	WATER	QA/QC
08/20/2002	1215	AP-4154	02AVMA04WA	150	WATER	FIELD
08/20/2002	1325	AP-4155	02AVMA05WA	125	WATER	FIELD
08/20/2002	1500	AP-3871	02AVMA06WA	115	WATER	FIELD
08/20/2002	1530	NA	02AVMA07WA	NA	WATER	RINSATE
08/21/2002	1145	AP-3776	02AVMA08WA	108	WATER	FIELD
08/22/2002	830	AP-3532	02AVMA02WA	120	WATER	FIELD-PAH ONLY
08/22/2002	915	AP-3534	02AVMA01WA	117	WATER	FIELD-PAH ONLY
08/22/2002	1000	AP-2983	02B75203WA	20	WATER	FIELD-PAH ONLY
08/22/2002	1050	AP-2987	02B75206WA	15	WATER	FIELD-PAH ONLY
08/22/2002	1145	AP-2982	02B75202WA	19	WATER	FIELD-PAH ONLY
08/22/2002	1240	AP-3503	02B75201WA	22	WATER	FIELD-PAH ONLY
08/22/2002	1345	AP-3231	02B75207WA	19	WATER	FIELD-PAH ONLY
08/22/2002	1430	AP-3458	02B75204WA	32	WATER	FIELD-PAH ONLY
08/22/2002	1445	NA	02AVMA09WA	NA	WATER	RINSATE
08/23/2002	930	AP-3872	02AVMA10WA	120	WATER	FIELD
08/23/2002	1110	AP-3789	02AVMA11WA	118	WATER	FIELD
08/23/2002	1230	AP-3650	02AVMA12WA	120	WATER	FIELD
08/23/2002	1400	AP-3468	02AVMA13WA	113	WATER	FIELD
08/26/2002	1255	AP-3232	02B75208WA	17	WATER	FIELD
08/26/2002	1255	AP-3232	02B75209WA	17	WATER	DUPLICATE, QA/QC, PAHs
08/26/2002	1510	AP-3895	02AVMA14WA	165	WATER	FIELD, MS/MSD
08/26/2002	1515	AP-3895	02AVMA15WA	165	WATER	DUPLICATE, QA/QC
08/27/2002	915	AP-3896	02AVMA16WA	121	WATER	FIELD
08/27/2002	1145	AP-3894	02AVMA17WA	163	WATER	FIELD
08/27/2002	1150	AP-3894	02AVMA18WA	163	WATER	DUPLICATE, QA/QC
08/27/2002	1230	AP-3893	02AVMA19WA	120	WATER	FIELD
09/24/2002	1030	MW-7	02AVMA20WA	132	WATER	FIELD, MS/MSD (Missed PAHs)
09/26/2002	1730	MW-6	02AVMA21WA	134	WATER	FIELD, MS/MSD (PAHs only)
10/23/2002	1400	MW-3	02AVMA22WA	100	WATER	FIELD
10/23/2002	1405	MW-3	02AVMA23WA	100	WATER	DUPLICATE, QA/QC
10/24/2002	930	MW-4	02AVMA24WA	67	WATER	FIELD
10/24/2002	1430	MW-2	02AVMA25WA	133	WATER	FIELD
10/24/2002	1600	MW-7	02AVMA20WA	132	WATER	FIELD, PESTICIDES ONLY
10/25/2002	1000	MW-5	02AVMA26WA	140	WATER	FIELD
10/25/2002	1030	MW-5	02AVMA27WA	NA	WATER	RINSATE
10/25/2002	1300	MW-6	02AVMA21WA	135	WATER	FIELD, PESTICIDES ONLY
10/25/2002	1400	MW-1	02AVMA28WA	120	WATER	FIELD
11/14/2002	1400	MW-3	02AVMA29WA	100	WATER	FIELD

Appendix E

Statistical Data Tables

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
AVMA									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	4	4	100%	--	--	2.1	17
DRO (AK102)	DIESEL RANGE ORGANICS	mg/L	10	25	40%	0.034	0.038	0.038	1.8
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	1	4	25%	0.43	0.51	0.38	0.38
GRO (AK101)	GASOLINE RANGE ORGANICS	µg/L	25	25	100%	--	--	4.1	35
METAL (SW6000/7000)	ALUMINUM	mg/Kg	4	4	100%	--	--	11,000	20,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	3	4	75%	0.049	0.049	0.13	0.29
METAL (SW6000/7000)	ARSENIC	mg/Kg	3	4	75%	0.63	0.63	3.1	3.9
METAL (SW6000/7000)	BARIUM	mg/Kg	4	4	100%	--	--	26	68
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	4	4	100%	--	--	0.16	0.48
METAL (SW6000/7000)	CADMIUM	mg/Kg	4	4	100%	--	--	0.56	1.0
METAL (SW6000/7000)	CALCIUM	mg/Kg	4	4	100%	--	--	5,600	11,000
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	4	4	100%	--	--	24	58
METAL (SW6000/7000)	COBALT	mg/Kg	4	4	100%	--	--	7.9	13
METAL (SW6000/7000)	COPPER	mg/Kg	4	4	100%	--	--	16	42
METAL (SW6000/7000)	IRON	mg/Kg	4	4	100%	--	--	22,000	37,000
METAL (SW6000/7000)	LEAD	mg/Kg	3	4	75%	1.0	1.0	2.2	5.1
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	4	4	100%	--	--	7,100	12,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	4	4	100%	--	--	430	640
METAL (SW6000/7000)	MERCURY	mg/Kg	3	4	75%	0.0010	0.0010	0.048	0.088
METAL (SW6000/7000)	NICKEL	mg/Kg	4	4	100%	--	--	26	45
METAL (SW6000/7000)	POTASSIUM	mg/Kg	4	4	100%	--	--	370	1,300
METAL (SW6000/7000)	SELENIUM	mg/Kg	3	4	75%	0.84	0.84	2.9	7.1
METAL (SW6000/7000)	SODIUM	mg/Kg	4	4	100%	--	--	110	370
METAL (SW6000/7000)	VANADIUM	mg/Kg	4	4	100%	--	--	39	66
METAL (SW6000/7000)	ZINC	mg/Kg	4	4	100%	--	--	36	64
METAL (SW6000/7000)	ALUMINUM	mg/L	20	25	80%	1.60E-05	0.016	0.017	610
METAL (SW6000/7000)	ANTIMONY	mg/L	2	25	8%	1.40E-05	0.014	0.016	0.060
METAL (SW6000/7000)	ARSENIC	mg/L	4	25	16%	1.70E-05	0.017	0.020	0.13
METAL (SW6000/7000)	BARIUM	mg/L	25	25	100%	--	--	0.0040	3.5
METAL (SW6000/7000)	BERYLLIUM	mg/L	5	25	20%	2.00E-07	2.00E-04	2.30E-04	0.016
METAL (SW6000/7000)	CADMIUM	mg/L	4	25	16%	2.00E-06	0.0020	0.0024	0.035
METAL (SW6000/7000)	CALCIUM	mg/L	25	25	100%	--	--	0.63	540
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/L	23	25	92%	2.00E-06	0.0020	0.0029	1.7
METAL (SW6000/7000)	COBALT	mg/L	14	25	56%	1.50E-06	0.0015	0.0015	0.41
METAL (SW6000/7000)	COPPER	mg/L	13	25	52%	1.20E-06	0.0012	0.0018	1.2
METAL (SW6000/7000)	IRON	mg/L	25	25	100%	--	--	0.012	1,200
METAL (SW6000/7000)	LEAD	mg/L	4	25	16%	1.40E-05	0.014	0.016	0.18
METAL (SW6000/7000)	MAGNESIUM	mg/L	25	25	100%	--	--	0.17	370
METAL (SW6000/7000)	MANGANESE	mg/L	19	25	76%	5.00E-07	5.00E-04	0.0011	22
METAL (SW6000/7000)	MERCURY	mg/L	11	25	44%	1.00E-07	1.00E-04	3.80E-05	0.0033
METAL (SW6000/7000)	NICKEL	mg/L	15	25	60%	8.20E-06	0.0082	0.0094	1.4
METAL (SW6000/7000)	POTASSIUM	mg/L	25	25	100%	--	--	0.35	42
METAL (SW6000/7000)	SELENIUM	mg/L	3	25	12%	2.70E-05	0.027	0.032	0.37
METAL (SW6000/7000)	SILVER	mg/L	1	25	4%	4.30E-06	0.0043	0.0062	0.0062
METAL (SW6000/7000)	SODIUM	mg/L	25	25	100%	--	--	1.2	130
METAL (SW6000/7000)	VANADIUM	mg/L	8	25	32%	3.50E-06	0.0035	0.017	1.9
METAL (SW6000/7000)	ZINC	mg/L	22	25	88%	0.0010	0.0010	0.0019	2.7
METAL DISS (SW6000/7000)	ALUMINUM	mg/L	1	7	14%	1.60E-05	0.016	0.028	0.028
METAL DISS (SW6000/7000)	ARSENIC	mg/L	1	7	14%	0.017	0.017	0.059	0.059
METAL DISS (SW6000/7000)	BARIUM	mg/L	7	7	100%	--	--	0.0083	0.067
METAL DISS (SW6000/7000)	CALCIUM	mg/L	7	7	100%	--	--	55	280
METAL DISS (SW6000/7000)	CHROMIUM, TOTAL	mg/L	4	7	57%	0.0020	0.0020	0.0025	0.0040
METAL DISS (SW6000/7000)	COBALT	mg/L	3	7	43%	0.0015	0.0015	0.0018	0.0021
METAL DISS (SW6000/7000)	COPPER	mg/L	4	7	57%	1.20E-06	0.0012	0.0014	0.0024
METAL DISS (SW6000/7000)	IRON	mg/L	7	7	100%	--	--	0.017	0.13
METAL DISS (SW6000/7000)	MAGNESIUM	mg/L	7	7	100%	--	--	8.4	91
METAL DISS (SW6000/7000)	MANGANESE	mg/L	5	7	71%	5.00E-04	5.00E-04	0.0012	0.56

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
METAL_DISS (SW6000/7000)	MERCURY	mg/L	4	7	57%	3.00E-05	1.00E-04	3.30E-05	0.0020
METAL_DISS (SW6000/7000)	NICKEL	mg/L	1	7	14%	8.20E-06	0.0082	0.011	0.011
METAL_DISS (SW6000/7000)	POTASSIUM	mg/L	7	7	100%	--	--	0.74	2.3
METAL_DISS (SW6000/7000)	SODIUM	mg/L	7	7	100%	--	--	3.3	140
METAL_DISS (SW6000/7000)	ZINC	mg/L	7	7	100%	--	--	0.0021	0.049
PAH (8270SIM)	2-METHYLNAPHTHALENE	µg/L	1	27	4%	0.012	0.014	0.060	0.060
PAH (8270SIM)	BENZO(a)PYRENE	µg/L	1	27	4%	0.023	0.026	0.17	0.17
PAH (8270SIM)	BENZO(b)FLUORANTHENE	µg/L	1	27	4%	0.014	0.016	0.22	0.22
PAH (8270SIM)	BENZO(g,h,i)PERYLENE	µg/L	1	27	4%	0.032	0.036	0.21	0.21
PAH (8270SIM)	BENZO(k)FLUORANTHENE	µg/L	1	27	4%	0.033	0.038	0.16	0.16
PAH (8270SIM)	DIBENZ(a,h)ANTHRACENE	µg/L	1	27	4%	0.052	0.060	0.24	0.24
PAH (8270SIM)	INDENO(1,2,3-c,d)PYRENE	µg/L	1	27	4%	0.067	0.077	0.22	0.22
PAH (8270SIM)	NAPHTHALENE	µg/L	5	27	19%	0.011	0.012	0.060	0.10
PESTICIDE (SW8081)	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/L	3	9	33%	0.0044	0.0050	0.0065	0.011
PESTICIDE (SW8081)	ENDOSULFAN SULFATE	µg/L	1	9	11%	0.0042	0.0048	0.0056	0.0056
PESTICIDE (SW8081)	ENDRIN ALDEHYDE	µg/L	1	9	11%	0.0077	0.0086	0.0094	0.0094
PESTICIDE (SW8081)	HEPTACHLOR	µg/L	2	9	22%	0.0068	0.0076	0.0071	0.0082
SVOC (SW8270C)	BENZO(a)PYRENE	µg/Kg	1	4	25%	30	31	52	52
SVOC (SW8270C)	BENZO(b)FLUORANTHENE	µg/Kg	1	4	25%	27	27	53	53
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	1	4	25%	34	39	160	160
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	4	4	100%	--	--	180	480
SVOC (SW8270C)	FLUORANTHENE	µg/Kg	1	4	25%	41	42	56	56
SVOC (SW8270C)	PYRENE	µg/Kg	1	4	25%	35	36	67	67
SVOC (SW8270C)	BENZYL ALCOHOL	µg/L	1	25	4%	0.64	0.75	7.9	7.9
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/L	1	25	4%	1.7	2.0	2.0	2.0
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/L	13	25	52%	1.7	1.9	2.3	8.1
SVOC (SW8270C)	DI-n-OCTYLPHTHALATE	µg/L	2	25	8%	0.62	0.72	1.9	2.0
SVOC (SW8270C)	DIMETHYL PHTHALATE	µg/L	1	25	4%	0.47	0.55	1.4	1.4
SVOC (SW8270C)	PHENOL	µg/L	3	22	14%	0.58	0.68	2.2	2.8
VOC (SW8260B)	ACETONE	µg/Kg	2	4	50%	24	26	56	62
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	2	4	50%	8.0	11	88	97
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	3	4	75%	26	26	46	78
VOC (SW8260B)	TOLUENE	µg/Kg	2	4	50%	5.0	5.0	16	18
VOC (SW8260B)	XYLENES, m & p	µg/Kg	3	4	75%	3.0	3.0	9.0	13
VOC (SW8260B)	1,1,1,2-TETRACHLOROETHANE	µg/L	1	26	4%	0.071	0.50	0.10	0.10
VOC (SW8260B)	1,1,1-TRICHLOROETHANE	µg/L	4	26	15%	0.059	0.13	0.29	1.1
VOC (SW8260B)	1,2-DICHLOROBENZENE	µg/L	3	26	12%	0.074	0.50	0.16	1.9
VOC (SW8260B)	1,3-DICHLOROBENZENE	µg/L	1	26	4%	0.086	0.50	0.19	0.19
VOC (SW8260B)	1,4-DICHLOROBENZENE	µg/L	1	26	4%	0.071	0.50	0.20	0.20
VOC (SW8260B)	ACETONE	µg/L	2	22	9%	0.13	5.1	2.4	4.2
VOC (SW8260B)	BENZENE	µg/L	3	26	12%	0.064	0.50	0.11	0.16
VOC (SW8260B)	BROMODICHLOROMETHANE	µg/L	1	26	4%	0.046	0.50	0.42	0.42
VOC (SW8260B)	BROMOMETHANE	µg/L	1	26	4%	0.068	1.0	0.15	0.15
VOC (SW8260B)	CARBON DISULFIDE	µg/L	3	25	12%	0.068	0.090	0.11	0.46
VOC (SW8260B)	CARBON TETRACHLORIDE	µg/L	13	26	50%	0.074	0.085	0.12	1.5
VOC (SW8260B)	CHLOROFORM	µg/L	15	26	58%	0.076	0.50	0.12	7.0
VOC (SW8260B)	CHLOROMETHANE	µg/L	11	26	42%	0.071	0.072	0.15	5.9
VOC (SW8260B)	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/L	2	25	8%	0.094	0.12	0.30	0.84
VOC (SW8260B)	METHYLENE CHLORIDE	µg/L	19	26	73%	0.19	0.25	0.43	3.2
VOC (SW8260B)	NAPHTHALENE	µg/L	2	26	8%	0.042	0.50	0.33	2.2
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/L	1	26	4%	0.061	0.50	0.12	0.12
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/L	3	26	12%	0.039	0.50	0.11	0.16
VOC (SW8260B)	tert-BUTYL METHYL ETHER	µg/L	1	25	4%	0.040	0.077	0.17	0.17
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/L	8	26	31%	0.059	0.50	0.48	49
VOC (SW8260B)	TOLUENE	µg/L	23	26	88%	0.067	0.50	0.090	1.2
VOC (SW8260B)	TRICHLOROETHYLENE (TCE)	µg/L	1	26	4%	0.081	0.50	0.16	0.16
VOC (SW8260B)	XYLENES, m & p	µg/L	1	26	4%	0.14	1.0	1.1	1.1

AVMA - Trench T1

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	4	4	100%	--	--	5.4	52
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	2	4	50%	0.40	0.83	0.33	0.56
METAL (SW6000/7000)	ALUMINUM	mg/Kg	4	4	100%	--	--	17,000	42,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	4	4	100%	--	--	0.30	0.90
METAL (SW6000/7000)	ARSENIC	mg/Kg	2	4	50%	1.0	1.2	3.1	17
METAL (SW6000/7000)	BARIUM	mg/Kg	4	4	100%	--	--	57	240
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	4	4	100%	--	--	0.32	1.0
METAL (SW6000/7000)	CADMIUM	mg/Kg	4	4	100%	--	--	0.91	2.0
METAL (SW6000/7000)	CALCIUM	mg/Kg	4	4	100%	--	--	4,800	9,500
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	4	4	100%	--	--	26	78
METAL (SW6000/7000)	COBALT	mg/Kg	4	4	100%	--	--	9.7	43
METAL (SW6000/7000)	COPPER	mg/Kg	4	4	100%	--	--	23	120
METAL (SW6000/7000)	IRON	mg/Kg	4	4	100%	--	--	28,000	71,000
METAL (SW6000/7000)	LEAD	mg/Kg	4	4	100%	--	--	7.0	50
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	4	4	100%	--	--	6,800	17,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	4	4	100%	--	--	490	2,600
METAL (SW6000/7000)	MERCURY	mg/Kg	4	4	100%	--	--	0.060	0.33
METAL (SW6000/7000)	NICKEL	mg/Kg	4	4	100%	--	--	30	130
METAL (SW6000/7000)	POTASSIUM	mg/Kg	4	4	100%	--	--	640	2,600
METAL (SW6000/7000)	SELENIUM	mg/Kg	4	4	100%	--	--	6.2	12
METAL (SW6000/7000)	SODIUM	mg/Kg	4	4	100%	--	--	140	310
METAL (SW6000/7000)	THALLIUM	mg/Kg	1	4	25%	0.056	0.061	0.094	0.094
METAL (SW6000/7000)	VANADIUM	mg/Kg	4	4	100%	--	--	55	120
METAL (SW6000/7000)	ZINC	mg/Kg	4	4	100%	--	--	64	140
PESTICIDE (SW8081)	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	µg/Kg	4	4	100%	--	--	0.52	1.0
PESTICIDE (SW8081)	ALPHA-CHLORDANE	µg/Kg	2	4	50%	0.33	0.41	0.43	5.4
PESTICIDE (SW8081)	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/Kg	2	4	50%	0.61	0.75	1.5	2.3
PESTICIDE (SW8081)	DIELDRIN	µg/Kg	2	4	50%	0.30	0.38	0.66	1.1
PESTICIDE (SW8081)	ENDOSULFAN SULFATE	µg/Kg	2	4	50%	0.22	0.27	0.30	0.42
PESTICIDE (SW8081)	ENDRIN	µg/Kg	1	4	25%	0.63	0.84	1.9	1.9
PESTICIDE (SW8081)	ENDRIN KETONE	µg/Kg	1	4	25%	0.24	0.32	0.39	0.39
PESTICIDE (SW8081)	GAMMA-CHLORDANE	µg/Kg	1	4	25%	0.47	0.65	5.7	5.7
PESTICIDE (SW8081)	HEPTACHLOR	µg/Kg	1	4	25%	1.1	1.5	2.3	2.3
PESTICIDE (SW8081)	HEPTACHLOR EPOXIDE	µg/Kg	1	4	25%	0.61	0.84	1.4	1.4
PESTICIDE (SW8081)	METHOXYCHLOR	µg/Kg	1	4	25%	1.4	1.8	6.3	6.3
PESTICIDE (SW8081)	p,p'-DDD	µg/Kg	4	4	100%	--	--	1.0	16
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	3	4	75%	0.34	0.34	1.3	13
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	4	4	100%	--	--	2.8	31
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	2	4	50%	48	63	83	280
SVOC (SW8270C)	ACENAPHTHENE	µg/Kg	1	4	25%	40	56	1,200	1,200
SVOC (SW8270C)	ANTHRACENE	µg/Kg	2	4	50%	38	51	47	1,100
SVOC (SW8270C)	BENZO(a)ANTHRACENE	µg/Kg	2	4	50%	38	51	81	1,200
SVOC (SW8270C)	BENZO(a)PYRENE	µg/Kg	2	4	50%	31	42	69	1,100
SVOC (SW8270C)	BENZO(b)FLUORANTHENE	µg/Kg	2	4	50%	28	37	49	1,100
SVOC (SW8270C)	BENZO(g,h,i)PERYLENE	µg/Kg	2	4	50%	41	55	47	470
SVOC (SW8270C)	BENZO(k)FLUORANTHENE	µg/Kg	1	4	25%	34	48	450	450
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	2	4	50%	36	47	48	79
SVOC (SW8270C)	CHRYSENE	µg/Kg	2	4	50%	38	51	92	1,300
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	3	4	75%	45	45	63	470
SVOC (SW8270C)	DIBENZ(a,h)ANTHRACENE	µg/Kg	1	4	25%	41	57	180	180
SVOC (SW8270C)	DIBENZOFURAN	µg/Kg	1	4	25%	37	51	770	770
SVOC (SW8270C)	FLUORANTHENE	µg/Kg	2	4	50%	43	57	110	2,100
SVOC (SW8270C)	FLUORENE	µg/Kg	2	4	50%	38	51	60	1,100
SVOC (SW8270C)	INDENO(1,2,3-c,d)PYRENE	µg/Kg	1	4	25%	33	46	530	530
SVOC (SW8270C)	NAPHTHALENE	µg/Kg	2	4	50%	18	24	64	360
SVOC (SW8270C)	PHENANTHRENE	µg/Kg	2	4	50%	38	51	340	4,200
SVOC (SW8270C)	PYRENE	µg/Kg	2	4	50%	36	48	240	3,100
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	1	4	25%	2.4	5.5	19	19

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
VOC (SW8260B)	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	µg/Kg	1	4	25%	3.7	8.5	7.9	7.9
VOC (SW8260B)	ACETONE	µg/Kg	4	4	100%	--	--	69	270
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	1	4	25%	3.1	7.0	8.2	8.2
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	4	4	100%	--	--	41	200
VOC (SW8260B)	NAPHTHALENE	µg/Kg	4	4	100%	--	--	26	830
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/Kg	1	4	25%	4.5	10	10	10
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/Kg	1	4	25%	1.5	4.1	9.2	9.2
VOC (SW8260B)	STYRENE	µg/Kg	1	4	25%	2.6	5.9	11	11
VOC (SW8260B)	TOLUENE	µg/Kg	1	4	25%	4.0	9.2	15	15
VOC (SW8260B)	XYLENES, m & p	µg/Kg	2	4	50%	2.4	5.5	18	18
AVMA - Trench T2									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	7	7	100%	--	--	1.4	370
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	2	7	29%	0.22	1.3	0.43	1.3
METAL (SW6000/7000)	ALUMINUM	mg/Kg	7	7	100%	--	--	16,000	45,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	7	7	100%	--	--	0.12	0.57
METAL (SW6000/7000)	ARSENIC	mg/Kg	6	7	86%	1.1	1.1	1.9	25
METAL (SW6000/7000)	BARIUM	mg/Kg	7	7	100%	--	--	67	250
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	7	7	100%	--	--	0.32	1.1
METAL (SW6000/7000)	CADMIUM	mg/Kg	7	7	100%	--	--	0.71	2.0
METAL (SW6000/7000)	CALCIUM	mg/Kg	7	7	100%	--	--	4,100	10,000
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	7	7	100%	--	--	26	84
METAL (SW6000/7000)	COBALT	mg/Kg	7	7	100%	--	--	7.6	46
METAL (SW6000/7000)	COPPER	mg/Kg	7	7	100%	--	--	18	130
METAL (SW6000/7000)	IRON	mg/Kg	7	7	100%	--	--	27,000	83,000
METAL (SW6000/7000)	LEAD	mg/Kg	7	7	100%	--	--	3.4	36
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	7	7	100%	--	--	3,400	19,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	7	7	100%	--	--	340	2,100
METAL (SW6000/7000)	MERCURY	mg/Kg	7	7	100%	--	--	0.042	0.28
METAL (SW6000/7000)	NICKEL	mg/Kg	7	7	100%	--	--	16	140
METAL (SW6000/7000)	POTASSIUM	mg/Kg	7	7	100%	--	--	630	2,700
METAL (SW6000/7000)	SELENIUM	mg/Kg	7	7	100%	--	--	4.4	11
METAL (SW6000/7000)	SODIUM	mg/Kg	7	7	100%	--	--	120	310
METAL (SW6000/7000)	THALLIUM	mg/Kg	1	7	14%	0.053	0.083	0.074	0.074
METAL (SW6000/7000)	VANADIUM	mg/Kg	7	7	100%	--	--	53	120
METAL (SW6000/7000)	ZINC	mg/Kg	7	7	100%	--	--	52	160
PESTICIDE (SW8081)	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	µg/Kg	4	7	57%	0.28	0.44	0.41	0.54
PESTICIDE (SW8081)	ALPHA-CHLORDANE	µg/Kg	2	7	29%	0.31	0.48	0.40	1.2
PESTICIDE (SW8081)	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/Kg	3	7	43%	0.57	0.88	0.68	1.2
PESTICIDE (SW8081)	DIELDRIN	µg/Kg	1	7	14%	0.28	0.44	2.1	2.1
PESTICIDE (SW8081)	ENDOSULFAN SULFATE	µg/Kg	1	7	14%	0.20	0.32	0.60	0.60
PESTICIDE (SW8081)	ENDRIN	µg/Kg	3	7	43%	0.62	0.91	1.0	1.3
PESTICIDE (SW8081)	ENDRIN ALDEHYDE	µg/Kg	2	7	29%	0.96	1.5	2.5	3.0
PESTICIDE (SW8081)	ENDRIN KETONE	µg/Kg	1	7	14%	0.24	0.37	0.32	0.32
PESTICIDE (SW8081)	METHOXYCHLOR	µg/Kg	3	7	43%	1.4	2.0	2.5	3.6
PESTICIDE (SW8081)	p,p'-DDD	µg/Kg	6	7	86%	0.61	0.61	0.84	23
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	6	7	86%	0.28	0.28	0.37	7.1
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	6	7	86%	0.34	0.34	1.6	64
SVOC (SW8270C)	ACENAPHTHENE	µg/Kg	1	7	14%	45	120	57	57
SVOC (SW8270C)	ANTHRACENE	µg/Kg	1	7	14%	41	110	110	110
SVOC (SW8270C)	BENZO(a)ANTHRACENE	µg/Kg	1	7	14%	41	110	160	160
SVOC (SW8270C)	BENZO(a)PYRENE	µg/Kg	1	7	14%	34	87	170	170
SVOC (SW8270C)	BENZO(b)FLUORANTHENE	µg/Kg	1	7	14%	30	76	170	170
SVOC (SW8270C)	BENZO(g,h,i)PERYLENE	µg/Kg	1	7	14%	44	110	88	88
SVOC (SW8270C)	BENZO(k)FLUORANTHENE	µg/Kg	1	7	14%	39	100	85	85
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	1	7	14%	38	98	41	41
SVOC (SW8270C)	CHRYSENE	µg/Kg	1	7	14%	41	110	190	190
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	5	7	71%	44	100	390	610
SVOC (SW8270C)	DI-n-OCTYLPHTHALATE	µg/Kg	1	7	14%	37	94	100	100

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
SVOC (SW8270C)	FLUORANTHENE	µg/Kg	1	7	14%	46	120	260	260
SVOC (SW8270C)	FLUORENE	µg/Kg	1	7	14%	41	110	54	54
SVOC (SW8270C)	INDENO(1,2,3-c,d)PYRENE	µg/Kg	1	7	14%	37	96	85	85
SVOC (SW8270C)	PHENANTHRENE	µg/Kg	1	7	14%	41	110	360	360
SVOC (SW8270C)	PYRENE	µg/Kg	1	7	14%	39	100	420	420
VOC (SW8260B)	ACETONE	µg/Kg	7	7	100%	--	--	40	1,400
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	4	7	57%	9.1	19	60	460
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	7	7	100%	--	--	39	100
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/Kg	1	4	25%	2.0	3.0	450	450
VOC (SW8260B)	TOLUENE	µg/Kg	2	7	29%	3.7	11	9.7	47
AVMA - Trench T3									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	5	5	100%	--	--	21	220
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	5	5	100%	--	--	0.49	3.1
METAL (SW6000/7000)	ALUMINUM	mg/Kg	5	5	100%	--	--	18,000	22,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	5	5	100%	--	--	0.17	0.44
METAL (SW6000/7000)	ARSENIC	mg/Kg	5	5	100%	--	--	1.1	6.7
METAL (SW6000/7000)	BARIUM	mg/Kg	5	5	100%	--	--	85	120
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	5	5	100%	--	--	0.37	0.44
METAL (SW6000/7000)	CADMIUM	mg/Kg	5	5	100%	--	--	0.79	1.2
METAL (SW6000/7000)	CALCIUM	mg/Kg	5	5	100%	--	--	5,000	6,800
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	5	5	100%	--	--	30	41
METAL (SW6000/7000)	COBALT	mg/Kg	5	5	100%	--	--	10	16
METAL (SW6000/7000)	COPPER	mg/Kg	5	5	100%	--	--	19	31
METAL (SW6000/7000)	IRON	mg/Kg	5	5	100%	--	--	27,000	39,000
METAL (SW6000/7000)	LEAD	mg/Kg	5	5	100%	--	--	6.9	32
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	5	5	100%	--	--	6,000	11,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	5	5	100%	--	--	370	2,000
METAL (SW6000/7000)	MERCURY	mg/Kg	5	5	100%	--	--	0.039	0.095
METAL (SW6000/7000)	NICKEL	mg/Kg	5	5	100%	--	--	25	47
METAL (SW6000/7000)	POTASSIUM	mg/Kg	5	5	100%	--	--	680	1,200
METAL (SW6000/7000)	SELENIUM	mg/Kg	5	5	100%	--	--	2.3	6.3
METAL (SW6000/7000)	SODIUM	mg/Kg	5	5	100%	--	--	130	320
METAL (SW6000/7000)	VANADIUM	mg/Kg	5	5	100%	--	--	62	71
METAL (SW6000/7000)	ZINC	mg/Kg	5	5	100%	--	--	53	160
PESTICIDE (SW8081)	ALDRIN	µg/Kg	1	5	20%	0.39	0.46	0.66	0.66
PESTICIDE (SW8081)	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	µg/Kg	3	5	60%	0.28	0.34	0.42	1.1
PESTICIDE (SW8081)	ALPHA ENDOSULFAN	µg/Kg	1	5	20%	0.24	0.29	0.36	0.36
PESTICIDE (SW8081)	ALPHA-CHLORDANE	µg/Kg	2	5	40%	0.32	0.37	1.1	1.9
PESTICIDE (SW8081)	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/Kg	5	5	100%	--	--	0.87	19
PESTICIDE (SW8081)	BETA ENDOSULFAN	µg/Kg	1	5	20%	0.38	0.45	0.91	0.91
PESTICIDE (SW8081)	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	µg/Kg	1	5	20%	0.48	0.56	0.86	0.86
PESTICIDE (SW8081)	DIELDRIN	µg/Kg	2	5	40%	0.30	0.34	0.36	0.40
PESTICIDE (SW8081)	ENDOSULFAN SULFATE	µg/Kg	3	5	60%	0.22	0.25	0.46	1.7
PESTICIDE (SW8081)	ENDRIN	µg/Kg	5	5	100%	--	--	1.2	41
PESTICIDE (SW8081)	HEPTACHLOR	µg/Kg	1	5	20%	1.2	1.4	1.7	1.7
PESTICIDE (SW8081)	HEPTACHLOR EPOXIDE	µg/Kg	3	5	60%	0.66	0.69	0.98	2.8
PESTICIDE (SW8081)	METHOXYCHLOR	µg/Kg	2	5	40%	1.4	1.5	2.1	3.3
PESTICIDE (SW8081)	p,p'-DDD	µg/Kg	5	5	100%	--	--	2.8	61
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	5	5	100%	--	--	2.1	39
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	5	5	100%	--	--	8.7	240
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	3	5	60%	48	52	120	1,400
SVOC (SW8270C)	ACENAPHTHENE	µg/Kg	2	5	40%	42	46	270	2,200
SVOC (SW8270C)	ANTHRACENE	µg/Kg	5	5	100%	--	--	59	4,000
SVOC (SW8270C)	BENZO(a)ANTHRACENE	µg/Kg	5	5	100%	--	--	69	5,300
SVOC (SW8270C)	BENZO(a)PYRENE	µg/Kg	5	5	100%	--	--	51	4,100
SVOC (SW8270C)	BENZO(b)FLUORANTHENE	µg/Kg	5	5	100%	--	--	54	3,200
SVOC (SW8270C)	BENZO(g,h,i)PERYLENE	µg/Kg	3	5	60%	42	44	120	1,700
SVOC (SW8270C)	BENZO(k)FLUORANTHENE	µg/Kg	3	5	60%	36	37	45	1,400

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	1	5	20%	37	42	71	71
SVOC (SW8270C)	CHRYSENE	µg/Kg	5	5	100%	--	--	85	5,700
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	5	5	100%	--	--	210	800
SVOC (SW8270C)	DIBENZ(a,h)ANTHRACENE	µg/Kg	1	5	20%	43	51	610	610
SVOC (SW8270C)	DIBENZOFURAN	µg/Kg	3	5	60%	38	41	86	530
SVOC (SW8270C)	FLUORANTHENE	µg/Kg	5	5	100%	--	--	140	7,000
SVOC (SW8270C)	FLUORENE	µg/Kg	3	5	60%	38	41	45	2,700
SVOC (SW8270C)	INDENO(1,2,3-c,d)PYRENE	µg/Kg	3	5	60%	36	38	43	1,700
SVOC (SW8270C)	NAPHTHALENE	µg/Kg	3	5	60%	18	19	95	760
SVOC (SW8270C)	PHENANTHRENE	µg/Kg	5	5	100%	--	--	230	15,000
SVOC (SW8270C)	PYRENE	µg/Kg	5	5	100%	--	--	140	16,000
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	4	5	80%	3.4	3.4	8.9	85
VOC (SW8260B)	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	µg/Kg	3	5	60%	4.1	5.2	8.8	18
VOC (SW8260B)	ACETONE	µg/Kg	3	5	60%	21	23	170	260
VOC (SW8260B)	BENZENE	µg/Kg	1	5	20%	3.2	4.1	24	24
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	3	5	60%	3.3	4.3	9.6	39
VOC (SW8260B)	ISOPROPYLBENZENE (CUMENE)	µg/Kg	2	5	40%	1.4	1.8	11	12
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	4	5	80%	8.9	8.9	86	160
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	5	5	100%	--	--	41	63
VOC (SW8260B)	n-BUTYLBENZENE	µg/Kg	1	5	20%	1.7	2.2	11	11
VOC (SW8260B)	NAPHTHALENE	µg/Kg	5	5	100%	--	--	15	62
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/Kg	3	5	60%	4.9	6.3	9.3	97
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/Kg	5	5	100%	--	--	27	76
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/Kg	3	5	60%	2.4	2.7	13	530
VOC (SW8260B)	TOLUENE	µg/Kg	5	5	100%	--	--	8.8	120
VOC (SW8260B)	TRICHLOROETHYLENE (TCE)	µg/Kg	2	5	40%	4.6	5.1	13	27
VOC (SW8260B)	XYLENES, m & p	µg/Kg	5	5	100%	--	--	12	140
AVMA - Trench T4									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	4	6	67%	0.62	0.62	0.78	7.8
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	1	6	17%	0.32	0.47	0.39	0.39
METAL (SW6000/7000)	ALUMINUM	mg/Kg	6	6	100%	--	--	16,000	26,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	6	6	100%	--	--	0.070	0.59
METAL (SW6000/7000)	ARSENIC	mg/Kg	5	6	83%	1.2	1.2	1.0	11
METAL (SW6000/7000)	BARIUM	mg/Kg	6	6	100%	--	--	34	93
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	6	6	100%	--	--	0.33	0.54
METAL (SW6000/7000)	CADMIUM	mg/Kg	6	6	100%	--	--	0.65	1.0
METAL (SW6000/7000)	CALCIUM	mg/Kg	6	6	100%	--	--	5,400	9,000
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	6	6	100%	--	--	24	42
METAL (SW6000/7000)	COBALT	mg/Kg	6	6	100%	--	--	9.7	14
METAL (SW6000/7000)	COPPER	mg/Kg	6	6	100%	--	--	25	32
METAL (SW6000/7000)	IRON	mg/Kg	6	6	100%	--	--	29,000	41,000
METAL (SW6000/7000)	LEAD	mg/Kg	6	6	100%	--	--	3.0	6.0
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	6	6	100%	--	--	8,800	13,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	6	6	100%	--	--	510	850
METAL (SW6000/7000)	MERCURY	mg/Kg	6	6	100%	--	--	0.039	0.080
METAL (SW6000/7000)	NICKEL	mg/Kg	6	6	100%	--	--	31	47
METAL (SW6000/7000)	POTASSIUM	mg/Kg	6	6	100%	--	--	740	1,000
METAL (SW6000/7000)	SELENIUM	mg/Kg	5	6	83%	1.6	1.6	2.4	3.6
METAL (SW6000/7000)	SODIUM	mg/Kg	6	6	100%	--	--	82	150
METAL (SW6000/7000)	VANADIUM	mg/Kg	6	6	100%	--	--	57	80
METAL (SW6000/7000)	ZINC	mg/Kg	6	6	100%	--	--	51	67
PESTICIDE (SW8081)	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/Kg	1	6	17%	0.54	0.57	0.57	0.57
PESTICIDE (SW8081)	ENDOSULFAN SULFATE	µg/Kg	1	6	17%	0.20	0.20	0.23	0.23
PESTICIDE (SW8081)	ENDRIN ALDEHYDE	µg/Kg	6	6	100%	--	--	1.3	2.8
PESTICIDE (SW8081)	p,p'-DDD	µg/Kg	1	6	17%	0.42	0.43	0.76	0.76
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	1	6	17%	0.25	0.25	1.8	1.8
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	1	5	20%	0.30	0.31	0.62	0.62
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	6	6	100%	--	--	78	480

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
VOC (SW8260B)	ACETONE	µg/Kg	1	5	20%	15	31	33	33
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	1	5	20%	2.3	4.8	14	14
VOC (SW8260B)	HEXACHLOROBUTADIENE	µg/Kg	1	5	20%	5.0	10	24	24
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	2	5	40%	6.2	13	58	65
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	5	5	100%	--	--	72	480
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/Kg	1	5	20%	1.5	3.1	14	14
VOC (SW8260B)	TOLUENE	µg/Kg	2	5	40%	3.1	6.1	17	31
VOC (SW8260B)	XYLENES, m & p	µg/Kg	3	5	60%	1.8	3.8	12	26
AVMA - Trench T5									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	5	5	100%	--	--	2.1	25
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	2	5	40%	0.17	0.22	0.48	0.67
METAL (SW6000/7000)	ALUMINUM	mg/Kg	5	5	100%	--	--	15,000	21,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	5	5	100%	--	--	0.23	0.53
METAL (SW6000/7000)	ARSENIC	mg/Kg	5	5	100%	--	--	1.9	4.1
METAL (SW6000/7000)	BARIUM	mg/Kg	5	5	100%	--	--	47	540
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	5	5	100%	--	--	0.35	0.56
METAL (SW6000/7000)	CADMIUM	mg/Kg	5	5	100%	--	--	0.78	1.1
METAL (SW6000/7000)	CALCIUM	mg/Kg	5	5	100%	--	--	6,900	9,700
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	5	5	100%	--	--	36	45
METAL (SW6000/7000)	COBALT	mg/Kg	5	5	100%	--	--	11	13
METAL (SW6000/7000)	COPPER	mg/Kg	5	5	100%	--	--	28	42
METAL (SW6000/7000)	IRON	mg/Kg	5	5	100%	--	--	30,000	40,000
METAL (SW6000/7000)	LEAD	mg/Kg	5	5	100%	--	--	4.0	11
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	5	5	100%	--	--	8,600	12,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	5	5	100%	--	--	480	710
METAL (SW6000/7000)	MERCURY	mg/Kg	5	5	100%	--	--	0.057	0.075
METAL (SW6000/7000)	NICKEL	mg/Kg	5	5	100%	--	--	32	47
METAL (SW6000/7000)	POTASSIUM	mg/Kg	5	5	100%	--	--	1,000	1,400
METAL (SW6000/7000)	SELENIUM	mg/Kg	5	5	100%	--	--	3.3	7.5
METAL (SW6000/7000)	SODIUM	mg/Kg	5	5	100%	--	--	85	230
METAL (SW6000/7000)	VANADIUM	mg/Kg	5	5	100%	--	--	55	81
METAL (SW6000/7000)	ZINC	mg/Kg	5	5	100%	--	--	54	72
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	2	5	40%	0.25	0.28	2.4	34
SVOC (SW8270C)	BENZYL BUTYL PHTHALATE	µg/Kg	1	5	20%	30	33	41	41
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	5	5	100%	--	--	52	190
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	5	5	100%	--	--	210	670
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	1	5	20%	1.5	1.9	8.4	8.4
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	1	5	20%	1.9	2.4	5.1	5.1
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	3	5	60%	5.2	5.5	58	62
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	5	5	100%	--	--	20	42
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/Kg	1	5	20%	2.8	3.5	6.2	6.2
VOC (SW8260B)	TOLUENE	µg/Kg	2	5	40%	2.5	3.1	5.1	5.7
VOC (SW8260B)	XYLENES, m & p	µg/Kg	2	5	40%	1.5	1.9	4.9	12
AVMA - Trench T6									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	6	6	100%	--	--	1.5	5.4
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	4	6	67%	0.15	0.19	0.22	0.34
METAL (SW6000/7000)	ALUMINUM	mg/Kg	6	6	100%	--	--	15,800	26,100
METAL (SW6000/7000)	ANTIMONY	mg/Kg	5	6	83%	0.055	0.055	0.13	0.42
METAL (SW6000/7000)	ARSENIC	mg/Kg	6	6	100%	--	--	1.6	5.1
METAL (SW6000/7000)	BARIUM	mg/Kg	6	6	100%	--	--	55	103
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	6	6	100%	--	--	0.34	0.56
METAL (SW6000/7000)	CADMIUM	mg/Kg	6	6	100%	--	--	0.78	1.2
METAL (SW6000/7000)	CALCIUM	mg/Kg	6	6	100%	--	--	5,260	13,300
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	6	6	100%	--	--	30	54
METAL (SW6000/7000)	COBALT	mg/Kg	6	6	100%	--	--	9.9	15
METAL (SW6000/7000)	COPPER	mg/Kg	6	6	100%	--	--	23	33
METAL (SW6000/7000)	IRON	mg/Kg	6	6	100%	--	--	29,700	40,600
METAL (SW6000/7000)	LEAD	mg/Kg	6	6	100%	--	--	2.9	7.8

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	6	6	100%	--	--	8,390	12,300
METAL (SW6000/7000)	MANGANESE	mg/Kg	6	6	100%	--	--	505	739
METAL (SW6000/7000)	MERCURY	mg/Kg	6	6	100%	--	--	0.047	0.059
METAL (SW6000/7000)	NICKEL	mg/Kg	6	6	100%	--	--	30	48
METAL (SW6000/7000)	POTASSIUM	mg/Kg	6	6	100%	--	--	920	1,260
METAL (SW6000/7000)	SELENIUM	mg/Kg	6	6	100%	--	--	3.0	8.3
METAL (SW6000/7000)	SODIUM	mg/Kg	6	6	100%	--	--	109	132
METAL (SW6000/7000)	VANADIUM	mg/Kg	6	6	100%	--	--	61	87
METAL (SW6000/7000)	ZINC	mg/Kg	6	6	100%	--	--	51	68
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	1	6	17%	0.22	0.23	1.2	1.2
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	2	6	33%	0.24	0.26	2.8	4.6
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	1	6	17%	46	47	770	770
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	6	6	100%	--	--	49	190
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	6	6	100%	--	--	350	730
SVOC (SW8270C)	NAPHTHALENE	µg/Kg	1	6	17%	17	17	340	340
VOC (SW8260B)	1,2,3-TRICHLOROBENZENE	µg/Kg	1	6	17%	1.2	2.3	7.8	7.8
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	1	6	17%	1.1	2.2	14	14
VOC (SW8260B)	ACETONE	µg/Kg	1	6	17%	8.6	17	36	36
VOC (SW8260B)	HEXACHLOROBUTADIENE	µg/Kg	1	6	17%	3.0	5.9	7.1	7.1
VOC (SW8260B)	IODOMETHANE (METHYL IODIDE)	µg/Kg	1	6	17%	3.0	6.1	85	85
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	6	6	100%	--	--	13	48
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	6	6	100%	--	--	16	27
VOC (SW8260B)	NAPHTHALENE	µg/Kg	1	6	17%	0.71	1.4	32	32
VOC (SW8260B)	XYLENES, m & p	µg/Kg	1	6	17%	1.1	2.2	6.2	6.2
AVMA - Trench T7									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	5	5	100%	--	--	1.5	4.6
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	3	5	60%	0.16	0.20	0.29	0.34
METAL (SW6000/7000)	ALUMINUM	mg/Kg	5	5	100%	--	--	13,300	19,700
METAL (SW6000/7000)	ANTIMONY	mg/Kg	5	5	100%	--	--	0.17	0.36
METAL (SW6000/7000)	ARSENIC	mg/Kg	4	5	80%	0.72	0.72	1.5	3.7
METAL (SW6000/7000)	BARIUM	mg/Kg	5	5	100%	--	--	44	76
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	5	5	100%	--	--	0.28	0.44
METAL (SW6000/7000)	CADMIUM	mg/Kg	5	5	100%	--	--	0.71	0.94
METAL (SW6000/7000)	CALCIUM	mg/Kg	5	5	100%	--	--	5,150	9,180
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	5	5	100%	--	--	20	40
METAL (SW6000/7000)	COBALT	mg/Kg	5	5	100%	--	--	9.3	12
METAL (SW6000/7000)	COPPER	mg/Kg	5	5	100%	--	--	29	33
METAL (SW6000/7000)	IRON	mg/Kg	5	5	100%	--	--	28,000	36,400
METAL (SW6000/7000)	LEAD	mg/Kg	5	5	100%	--	--	3.1	4.0
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	5	5	100%	--	--	8,020	12,200
METAL (SW6000/7000)	MANGANESE	mg/Kg	5	5	100%	--	--	489	594
METAL (SW6000/7000)	MERCURY	mg/Kg	5	5	100%	--	--	0.042	0.089
METAL (SW6000/7000)	NICKEL	mg/Kg	5	5	100%	--	--	26	51
METAL (SW6000/7000)	POTASSIUM	mg/Kg	5	5	100%	--	--	730	1,260
METAL (SW6000/7000)	SELENIUM	mg/Kg	5	5	100%	--	--	3.5	5.6
METAL (SW6000/7000)	SODIUM	mg/Kg	5	5	100%	--	--	66	360
METAL (SW6000/7000)	VANADIUM	mg/Kg	5	5	100%	--	--	46	72
METAL (SW6000/7000)	ZINC	mg/Kg	5	5	100%	--	--	50	63
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	2	5	40%	46	47	83	83
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	5	5	100%	--	--	62	86
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	5	5	100%	--	--	510	960
SVOC (SW8270C)	NAPHTHALENE	µg/Kg	1	5	20%	17	18	38	38
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	4	5	80%	5.8	5.8	37	58
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	5	5	100%	--	--	14	20
VOC (SW8260B)	TOLUENE	µg/Kg	1	5	20%	2.1	2.9	5.2	5.2
VOC (SW8260B)	XYLENES, m & p	µg/Kg	1	5	20%	1.3	1.7	5.1	5.1
AVMA - Trench T8									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	4	4	100%	--	--	2.2	56

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	2	4	50%	0.26	0.30	0.49	0.82
METAL (SW6000/7000)	ALUMINUM	mg/Kg	4	4	100%	--	--	15,000	20,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	4	4	100%	--	--	0.19	0.49
METAL (SW6000/7000)	ARSENIC	mg/Kg	3	4	75%	1.0	1.0	2.1	2.3
METAL (SW6000/7000)	BARIUM	mg/Kg	4	4	100%	--	--	56	82
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	4	4	100%	--	--	0.28	0.43
METAL (SW6000/7000)	CADMIUM	mg/Kg	4	4	100%	--	--	0.75	0.95
METAL (SW6000/7000)	CALCIUM	mg/Kg	4	4	100%	--	--	5,900	8,000
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	4	4	100%	--	--	24	37
METAL (SW6000/7000)	COBALT	mg/Kg	4	4	100%	--	--	9.7	13
METAL (SW6000/7000)	COPPER	mg/Kg	4	4	100%	--	--	26	30
METAL (SW6000/7000)	IRON	mg/Kg	4	4	100%	--	--	29,000	37,000
METAL (SW6000/7000)	LEAD	mg/Kg	4	4	100%	--	--	2.8	8.4
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	4	4	100%	--	--	8,300	11,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	4	4	100%	--	--	550	650
METAL (SW6000/7000)	MERCURY	mg/Kg	4	4	100%	--	--	0.055	0.078
METAL (SW6000/7000)	NICKEL	mg/Kg	4	4	100%	--	--	30	42
METAL (SW6000/7000)	POTASSIUM	mg/Kg	4	4	100%	--	--	800	900
METAL (SW6000/7000)	SELENIUM	mg/Kg	4	4	100%	--	--	3.4	6.9
METAL (SW6000/7000)	SODIUM	mg/Kg	4	4	100%	--	--	83	120
METAL (SW6000/7000)	VANADIUM	mg/Kg	4	4	100%	--	--	46	70
METAL (SW6000/7000)	ZINC	mg/Kg	4	4	100%	--	--	49	61
PESTICIDE (SW8081)	p,p'-DDD	µg/Kg	1	4	25%	0.19	2.1	0.33	0.33
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	1	4	25%	0.22	2.5	1.1	1.1
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	2	4	50%	0.25	0.27	13	45
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	3	4	75%	36	36	56	90
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	4	4	100%	--	--	260	500
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	4	4	100%	--	--	40	49
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	4	4	100%	--	--	17	24
AVMA - Trench T9									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	5	5	100%	--	--	1.8	3,800
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	3	5	60%	0.23	0.28	0.27	6.0
METAL (SW6000/7000)	ALUMINUM	mg/Kg	5	5	100%	--	--	17,000	20,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	3	5	60%	0.067	0.071	0.090	0.25
METAL (SW6000/7000)	ARSENIC	mg/Kg	5	5	100%	--	--	2.4	5.6
METAL (SW6000/7000)	BARIUM	mg/Kg	5	5	100%	--	--	43	73
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	5	5	100%	--	--	0.40	0.44
METAL (SW6000/7000)	CADMIUM	mg/Kg	5	5	100%	--	--	0.97	1.0
METAL (SW6000/7000)	CALCIUM	mg/Kg	5	5	100%	--	--	6,600	9,800
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	5	5	100%	--	--	27	40
METAL (SW6000/7000)	COBALT	mg/Kg	5	5	100%	--	--	11	15
METAL (SW6000/7000)	COPPER	mg/Kg	5	5	100%	--	--	26	36
METAL (SW6000/7000)	IRON	mg/Kg	5	5	100%	--	--	34,000	35,000
METAL (SW6000/7000)	LEAD	mg/Kg	5	5	100%	--	--	3.6	11
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	5	5	100%	--	--	9,700	13,000
METAL (SW6000/7000)	MANGANESE	mg/Kg	5	5	100%	--	--	570	710
METAL (SW6000/7000)	MERCURY	mg/Kg	5	5	100%	--	--	0.034	0.063
METAL (SW6000/7000)	NICKEL	mg/Kg	5	5	100%	--	--	35	62
METAL (SW6000/7000)	POTASSIUM	mg/Kg	5	5	100%	--	--	880	1,200
METAL (SW6000/7000)	SELENIUM	mg/Kg	4	5	80%	1.3	1.3	3.8	6.1
METAL (SW6000/7000)	SODIUM	mg/Kg	5	5	100%	--	--	93	250
METAL (SW6000/7000)	THALLIUM	mg/Kg	2	5	40%	0.19	0.29	0.27	0.36
METAL (SW6000/7000)	VANADIUM	mg/Kg	5	5	100%	--	--	61	74
METAL (SW6000/7000)	ZINC	mg/Kg	5	5	100%	--	--	57	70
PESTICIDE (SW8081)	p,p'-DDE	µg/Kg	1	5	20%	0.22	4.5	0.55	0.55
PESTICIDE (SW8081)	p,p'-DDT	µg/Kg	4	5	80%	5.1	5.1	0.40	6.1
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	1	5	20%	46	48	1,500	1,500
SVOC (SW8270C)	BENZO(a)ANTHRACENE	µg/Kg	1	5	20%	37	38	310	310

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	2	5	40%	34	200	39	47
SVOC (SW8270C)	CHRYSENE	µg/Kg	1	5	20%	37	38	1,000	1,000
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	5	5	100%	--	--	190	490
SVOC (SW8270C)	FLUORENE	µg/Kg	1	5	20%	37	38	240	240
SVOC (SW8270C)	PHENANTHRENE	µg/Kg	1	5	20%	37	38	560	560
SVOC (SW8270C)	PYRENE	µg/Kg	1	5	20%	35	36	590	590
VOC (SW8260B)	ACETONE	µg/Kg	1	5	20%	15	20	92	92
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	2	5	40%	6.2	7.5	63	91
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	5	5	100%	--	--	22	34
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/Kg	1	5	20%	1.3	1.8	14	14
AVMA New Wells									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	10	10	100%	--	--	1.8	6.2
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	7	10	70%	0.17	0.40	0.51	0.73
METAL (SW6000/7000)	ALUMINUM	mg/Kg	10	10	100%	--	--	13,400	20,000
METAL (SW6000/7000)	ANTIMONY	mg/Kg	9	10	90%	0.070	0.070	0.16	0.82
METAL (SW6000/7000)	ARSENIC	mg/Kg	7	10	70%	0.60	0.90	1.5	75
METAL (SW6000/7000)	BARIUM	mg/Kg	10	10	100%	--	--	30	99
METAL (SW6000/7000)	BERYLLIUM	mg/Kg	10	10	100%	--	--	0.24	0.41
METAL (SW6000/7000)	CADMIUM	mg/Kg	10	10	100%	--	--	0.51	1.5
METAL (SW6000/7000)	CALCIUM	mg/Kg	10	10	100%	--	--	4,250	15,000
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/Kg	10	10	100%	--	--	28	82
METAL (SW6000/7000)	COBALT	mg/Kg	10	10	100%	--	--	9.2	24
METAL (SW6000/7000)	COPPER	mg/Kg	10	10	100%	--	--	20	37
METAL (SW6000/7000)	IRON	mg/Kg	10	10	100%	--	--	25,600	48,200
METAL (SW6000/7000)	LEAD	mg/Kg	9	10	90%	1.4	1.4	2.1	3.8
METAL (SW6000/7000)	MAGNESIUM	mg/Kg	10	10	100%	--	--	7,240	35,900
METAL (SW6000/7000)	MANGANESE	mg/Kg	10	10	100%	--	--	440	1,670
METAL (SW6000/7000)	MERCURY	mg/Kg	9	10	90%	0.0011	0.0011	0.042	0.085
METAL (SW6000/7000)	NICKEL	mg/Kg	10	10	100%	--	--	28	195
METAL (SW6000/7000)	POTASSIUM	mg/Kg	10	10	100%	--	--	510	1,500
METAL (SW6000/7000)	SELENIUM	mg/Kg	8	10	80%	1.2	1.4	1.4	7.8
METAL (SW6000/7000)	SODIUM	mg/Kg	9	10	90%	23	23	58	350
METAL (SW6000/7000)	THALLIUM	mg/Kg	4	10	40%	0.051	0.30	0.067	0.18
METAL (SW6000/7000)	VANADIUM	mg/Kg	10	10	100%	--	--	48	78
METAL (SW6000/7000)	ZINC	mg/Kg	10	10	100%	--	--	48	68
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/Kg	2	10	20%	45	55	250	270
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	5	10	50%	34	38	37	300
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	10	10	100%	--	--	100	500
SVOC (SW8270C)	NAPHTHALENE	µg/Kg	2	10	20%	17	21	78	100
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	1	10	10%	1.7	5.1	20	20
VOC (SW8260B)	ACETONE	µg/Kg	1	10	10%	13	41	36	36
VOC (SW8260B)	BENZENE	µg/Kg	1	10	10%	2.0	6.2	8.3	8.3
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	5	10	50%	2.1	6.5	10	17
VOC (SW8260B)	IODOMETHANE (METHYL IODIDE)	µg/Kg	2	10	20%	4.7	13	160	270
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	4	10	40%	5.7	16	41	150
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	9	10	90%	35	35	23	110
VOC (SW8260B)	NAPHTHALENE	µg/Kg	1	10	10%	1.1	3.4	22	22
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/Kg	1	10	10%	3.1	9.6	7.3	7.3
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/Kg	4	10	40%	1.3	3.7	150	310
VOC (SW8260B)	TOLUENE	µg/Kg	8	10	80%	2.8	8.6	5.6	56
VOC (SW8260B)	XYLENES, m & p	µg/Kg	7	10	70%	1.7	5.1	18	41
Bldg 35-752									
DRO (AK102)	DIESEL RANGE ORGANICS	mg/L	8	8	100%	--	--	0.053	0.87
GRO (AK101)	GASOLINE RANGE ORGANICS	µg/L	8	8	100%	--	--	8.4	1,700
METAL (SW6000/7000)	ALUMINUM	mg/L	8	8	100%	--	--	0.022	2.3
METAL (SW6000/7000)	BARIUM	mg/L	8	8	100%	--	--	0.0025	0.024
METAL (SW6000/7000)	CALCIUM	mg/L	8	8	100%	--	--	8.2	44
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/L	4	8	50%	0.0020	0.0020	0.0026	0.0060

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
METAL (SW6000/7000)	COBALT	mg/L	4	8	50%	0.0015	0.0015	0.0015	0.0028
METAL (SW6000/7000)	COPPER	mg/L	7	8	88%	0.0012	0.0012	0.0020	0.026
METAL (SW6000/7000)	IRON	mg/L	8	8	100%	--	--	0.039	7.6
METAL (SW6000/7000)	MAGNESIUM	mg/L	8	8	100%	--	--	1.8	12
METAL (SW6000/7000)	MANGANESE	mg/L	8	8	100%	--	--	8.40E-04	3.1
METAL (SW6000/7000)	MERCURY	mg/L	6	8	75%	3.00E-05	3.00E-05	4.50E-05	8.40E-05
METAL (SW6000/7000)	POTASSIUM	mg/L	8	8	100%	--	--	0.82	1.5
METAL (SW6000/7000)	SODIUM	mg/L	8	8	100%	--	--	8.2	11
METAL (SW6000/7000)	ZINC	mg/L	7	8	88%	0.0010	0.0010	0.0033	0.023
METAL DISS (SW6000/7000)	BARIIUM	mg/L	2	2	100%	--	--	0.0028	0.010
METAL DISS (SW6000/7000)	CALCIUM	mg/L	2	2	100%	--	--	8.8	27
METAL DISS (SW6000/7000)	COPPER	mg/L	2	2	100%	--	--	0.0025	0.019
METAL DISS (SW6000/7000)	IRON	mg/L	2	2	100%	--	--	0.0051	0.011
METAL DISS (SW6000/7000)	MAGNESIUM	mg/L	2	2	100%	--	--	1.8	4.8
METAL DISS (SW6000/7000)	MANGANESE	mg/L	1	2	50%	5.00E-04	5.00E-04	6.20E-04	6.20E-04
METAL DISS (SW6000/7000)	MERCURY	mg/L	2	2	100%	--	--	5.30E-05	5.60E-05
METAL DISS (SW6000/7000)	POTASSIUM	mg/L	2	2	100%	--	--	0.46	1.1
METAL DISS (SW6000/7000)	SODIUM	mg/L	2	2	100%	--	--	8.3	9.9
METAL DISS (SW6000/7000)	ZINC	mg/L	2	2	100%	--	--	0.0044	0.017
PAH (8270SIM)	2-METHYLNAPHTHALENE	µg/L	2	8	25%	0.012	0.013	0.056	2.5
PAH (8270SIM)	ACENAPHTHENE	µg/L	1	8	13%	0.0091	0.010	0.067	0.067
PAH (8270SIM)	FLUORENE	µg/L	2	8	25%	0.0096	0.010	0.071	0.14
PAH (8270SIM)	NAPHTHALENE	µg/L	3	8	38%	0.011	0.011	0.11	6.5
PCB (SW8082)	PCB, TOTAL	µg/L	1	8	13%	0.10	0.11	0.061	0.061
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/L	1	8	13%	0.046	0.050	0.061	0.061
SVOC (SW8270C)	2-METHYLNAPHTHALENE	µg/L	1	8	13%	0.49	0.74	6.2	6.2
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/L	5	8	63%	1.9	2.3	2.1	4.7
SVOC (SW8270C)	NAPHTHALENE	µg/L	1	8	13%	0.61	0.93	19	19
VOC (SW8260B)	1,1,1-TRICHLOROETHANE	µg/L	3	8	38%	0.13	0.13	0.70	4.0
VOC (SW8260B)	1,1-DICHLOROETHANE	µg/L	3	8	38%	0.074	0.074	0.12	0.39
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/L	2	8	25%	0.062	0.062	16	39
VOC (SW8260B)	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	µg/L	2	8	25%	0.090	0.090	4.8	7.3
VOC (SW8260B)	BENZENE	µg/L	4	8	50%	0.064	0.064	0.10	12
VOC (SW8260B)	CHLOROETHANE	µg/L	1	8	13%	0.092	0.092	0.12	0.12
VOC (SW8260B)	CHLOROFORM	µg/L	5	8	63%	0.11	0.11	0.17	0.22
VOC (SW8260B)	CHLOROMETHANE	µg/L	8	8	100%	--	--	0.12	4.0
VOC (SW8260B)	cis-1,2-DICHLOROETHYLENE	µg/L	2	8	25%	0.079	0.079	0.24	7.2
VOC (SW8260B)	ETHYLBENZENE	µg/L	2	8	25%	0.056	0.056	24	110
VOC (SW8260B)	ISOPROPYLBENZENE (CUMENE)	µg/L	3	8	38%	0.063	0.063	0.26	8.2
VOC (SW8260B)	METHYLENE CHLORIDE	µg/L	6	6	100%	--	--	1.7	2.5
VOC (SW8260B)	n-BUTYLBENZENE	µg/L	1	8	13%	0.065	0.065	1.6	1.6
VOC (SW8260B)	n-PROPYLBENZENE	µg/L	2	8	25%	0.072	0.072	1.8	13
VOC (SW8260B)	NAPHTHALENE	µg/L	2	8	25%	0.042	0.042	5.2	26
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/L	2	8	25%	0.061	0.061	39	140
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/L	1	8	13%	0.039	0.039	1.0	1.0
VOC (SW8260B)	SEC-BUTYLBENZENE	µg/L	2	8	25%	0.079	0.079	0.65	1.4
VOC (SW8260B)	t-BUTYLBENZENE	µg/L	1	8	13%	0.082	0.082	0.19	0.19
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/L	3	8	38%	0.059	0.059	0.15	0.44
VOC (SW8260B)	TOLUENE	µg/L	8	8	100%	--	--	0.44	32
VOC (SW8260B)	trans-1,2-DICHLOROETHENE	µg/L	1	8	13%	0.042	0.042	0.13	0.13
VOC (SW8260B)	TRICHLOROETHYLENE (TCE)	µg/L	8	8	100%	--	--	0.34	8.6
VOC (SW8260B)	VINYL CHLORIDE	µg/L	1	8	13%	0.061	0.061	0.13	0.13
VOC (SW8260B)	XYLENES, m & p	µg/L	2	8	25%	0.14	0.14	37	150
Bldg. 35-752, Burn Pit									
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	PG/G	14	17	82%	1.1	1.1	0.53	6.5
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	PG/G	10	17	59%	2.0	2.0	0.14	8.7
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	PG/G	4	17	24%	1.7	1.7	0.70	5.0
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	PG/G	1	17	6%	0.92	0.94	0.56	0.56

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	PG/G	11	17	65%	0.74	0.75	0.10	9.1
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	17	12%	1.5	1.5	0.12	0.88
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	6	17	35%	0.97	1.0	0.13	1.2
DIOXIN/FURANS (SW8290)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	17	12%	1.4	1.4	0.24	0.72
DIOXIN/FURANS (SW8290)	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	PG/G	1	17	6%	0.38	0.39	0.62	0.62
DIOXIN/FURANS (SW8290)	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	PG/G	1	17	6%	0.48	0.49	0.63	0.63
DIOXIN/FURANS (SW8290)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	PG/G	2	17	12%	0.93	0.95	0.42	1.9
DIOXIN/FURANS (SW8290)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	5	17	29%	2.8	2.9	0.14	4.0
DIOXIN/FURANS (SW8290)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PG/G	4	17	24%	0.97	1.0	0.41	6.9
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZOFURAN	PG/G	3	17	18%	0.50	0.51	0.35	4.0
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	14	17	82%	1.1	1.1	0.73	11
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	10	17	59%	1.7	1.7	0.14	21
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	7	17	41%	0.92	0.94	0.17	3.6
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	12	17	71%	0.38	0.39	0.20	28
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZO-p-DIOXIN	PG/G	14	17	82%	2.6	2.6	2.6	52
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZOFURAN	PG/G	10	17	59%	4.3	4.3	0.50	22
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	2	17	12%	0.48	0.49	0.49	0.89
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	8	17	47%	0.93	0.95	0.11	29
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	1	17	6%	0.68	0.70	0.060	0.060
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	8	17	47%	0.50	0.51	0.080	17
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	11	17	65%	0.61	0.66	2.2	81
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	5	17	29%	0.18	0.36	0.41	0.71
PCB (SW8082)	PCB, TOTAL	µg/Kg	9	17	53%	3.4	4.1	13	690
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/Kg	9	17	53%	3.0	1,700	13	690
SVOC (SW8270C)	1,2,4-TRICHLOROENZENE	µg/Kg	1	17	6%	60	240	240	240
SVOC (SW8270C)	BENZYL BUTYL PHTHALATE	µg/Kg	1	17	6%	30	120	39	39
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/Kg	6	17	35%	33	140	43	1,100
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/Kg	16	17	94%	170	170	44	800
SVOC (SW8270C)	DI-n-OCTYLPHTHALATE	µg/Kg	1	17	6%	32	130	54	54
SVOC (SW8270C)	PYRENE	µg/Kg	1	17	6%	34	140	40	40
VOC (SW8260B)	1,1,1-TRICHLOROETHANE	µg/Kg	1	17	6%	2.0	5.9	12	12
VOC (SW8260B)	1,2,4-TRICHLOROENZENE	µg/Kg	1	17	6%	1.0	3.1	47	47
VOC (SW8260B)	ACETONE	µg/Kg	5	17	29%	10	31	14	35
VOC (SW8260B)	cis-1,2-DICHLOROETHYLENE	µg/Kg	9	17	53%	2.2	6.4	7.8	870
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	5	17	29%	4.7	12	16	120
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	15	17	88%	14	15	16	72
VOC (SW8260B)	P-CYMENE (p-ISOPROPYLTOLUENE)	µg/Kg	1	17	6%	0.95	2.8	4.7	4.7
VOC (SW8260B)	TOLUENE	µg/Kg	3	17	18%	2.2	6.4	4.7	9.1
VOC (SW8260B)	trans-1,2-DICHLOROETHENE	µg/Kg	1	17	6%	3.2	9.5	71	71
VOC (SW8260B)	TRICHLOROETHYLENE (TCE)	µg/Kg	11	17	65%	2.2	6.7	28	1,100
VOC (SW8260B)	XYLENES, m & p	µg/Kg	5	17	29%	1.3	3.4	4.8	14
Bldg. 35-752, Periphery Road									
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	PG/G	9	11	82%	1.1	1.1	0.34	142
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	PG/G	9	11	82%	2.0	2.0	0.67	152
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	PG/G	7	11	64%	1.7	1.7	0.60	56
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	PG/G	2	11	18%	0.93	0.94	1.1	1.9
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	PG/G	8	11	73%	0.75	0.75	0.36	139
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	PG/G	6	11	55%	1.5	1.5	0.31	4.8
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	7	11	64%	1.0	1.0	0.32	19
DIOXIN/FURANS (SW8290)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	PG/G	5	11	45%	1.4	1.4	0.66	3.9
DIOXIN/FURANS (SW8290)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	7	11	64%	2.9	2.9	0.36	9.7
DIOXIN/FURANS (SW8290)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PG/G	6	11	55%	0.99	1.0	0.31	19
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	PG/G	2	11	18%	0.69	0.70	0.21	0.51
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZOFURAN	PG/G	7	11	64%	0.51	0.51	0.43	10
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	9	11	82%	1.1	1.1	0.58	441
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	9	11	82%	1.7	1.7	1.1	348
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	7	11	64%	0.93	0.94	0.36	45
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	9	11	82%	0.39	0.39	0.49	302

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZO-p-DIOXIN	PG/G	10	11	91%	2.6	2.6	1.0	961
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZOFURAN	PG/G	9	11	82%	4.3	4.3	0.80	447
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	4	11	36%	0.49	0.49	0.88	2.2
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	9	11	82%	0.95	0.95	1.4	234
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	6	11	55%	0.70	0.70	0.63	11
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	8	11	73%	0.51	0.51	1.2	146
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	11	11	100%	--	--	1.4	310
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	4	7	57%	0.21	0.32	0.24	0.47
PCB (SW8082)	PCB, TOTAL	µg/Kg	54	59	92%	3.4	3.8	4.0	3,700
PCB (SW8082)	PCB-1016 (AROCHLOR 1016)	µg/Kg	1	59	2%	3.2	204	7.6	7.6
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/Kg	54	59	92%	3.1	3.4	4.0	3,700
Bldg. 35-752, Stockpile Area									
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	PG/G	5	5	100%	--	--	3.3	15
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	PG/G	5	5	100%	--	--	0.65	14
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	PG/G	3	5	60%	1.7	1.7	1.2	6.1
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	PG/G	5	5	100%	--	--	0.44	12
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	5	40%	1.5	1.5	0.31	0.31
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	3	5	60%	1.0	1.0	0.26	1.5
DIOXIN/FURANS (SW8290)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	2	5	40%	2.9	2.9	0.25	0.37
DIOXIN/FURANS (SW8290)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PG/G	1	5	20%	0.97	1.0	0.30	0.30
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZOFURAN	PG/G	2	5	40%	0.50	0.51	0.43	0.90
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	5	5	100%	--	--	5.4	34
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	5	5	100%	--	--	0.65	35
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	4	5	80%	0.94	0.94	1.2	2.2
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	5	5	100%	--	--	1.2	27
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZO-p-DIOXIN	PG/G	5	5	100%	--	--	42	87
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZOFURAN	PG/G	5	5	100%	--	--	1.2	36
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	1	5	20%	0.48	0.49	8.6	8.6
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	5	5	100%	--	--	0.21	26
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	3	5	60%	0.68	0.70	0.60	0.74
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	5	5	100%	--	--	0.39	18
DRO (AK102)	DIESEL RANGE ORGANICS	mg/Kg	5	5	100%	--	--	5.2	29
PCB (SW8082)	PCB, TOTAL	µg/Kg	10	13	77%	3.0	4.5	20	790
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/Kg	10	13	77%	2.7	330	20	790
Bldg. 35-752, Transformer Mounting Area									
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	PG/G	2	2	100%	--	--	296	518
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	125	166
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	15	20
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	PG/G	2	2	100%	--	--	2.3	2.6
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	9.7	37
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	2	100%	--	--	7.3	12
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	2.2	6.4
DIOXIN/FURANS (SW8290)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	2	100%	--	--	4.7	6.2
DIOXIN/FURANS (SW8290)	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	PG/G	1	2	50%	0.49	0.49	0.64	0.64
DIOXIN/FURANS (SW8290)	1,2,3,7,8-PENTACHLORODIBENZOFURAN	PG/G	1	2	50%	0.94	0.94	83	83
DIOXIN/FURANS (SW8290)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	4.5	4.7
DIOXIN/FURANS (SW8290)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	1.4	3.9
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	PG/G	1	2	50%	0.70	0.70	0.26	0.26
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	1.2	5.2
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	2	2	100%	--	--	528	820
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	2	2	100%	--	--	461	867
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	2	2	100%	--	--	25	53
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	2	2	100%	--	--	374	378
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZO-p-DIOXIN	PG/G	2	2	100%	--	--	2,730	4,490
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZOFURAN	PG/G	2	2	100%	--	--	465	787
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	2	2	100%	--	--	0.64	3.7
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	2	2	100%	--	--	190	210
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	2	2	100%	--	--	0.43	5.5

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	2	2	100%	--	--	65	90
PCB (SW8082)	PCB, TOTAL	µg/Kg	8	8	100%	--	--	49	99,900
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/Kg	8	8	100%	--	--	49	99,900
Bldg. 35-752, Transformer Oil Discharge Area									
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	PG/G	3	3	100%	--	--	2.9	80
DIOXIN/FURANS (SW8290)	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	3.5	27
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	1.4	4.9
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	PG/G	1	3	33%	0.94	0.94	0.63	0.63
DIOXIN/FURANS (SW8290)	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	1.6	12
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	3	67%	1.5	1.5	1.9	2.8
DIOXIN/FURANS (SW8290)	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	0.40	2.6
DIOXIN/FURANS (SW8290)	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	PG/G	2	3	67%	1.4	1.4	1.6	1.6
DIOXIN/FURANS (SW8290)	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	0.34	1.8
DIOXIN/FURANS (SW8290)	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PG/G	2	3	67%	1.0	1.0	0.63	2.0
DIOXIN/FURANS (SW8290)	2,3,7,8-TETRACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	0.66	2.3
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	3	3	100%	--	--	5.8	322
DIOXIN/FURANS (SW8290)	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	3	3	100%	--	--	8.5	78
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	3	3	100%	--	--	0.39	30
DIOXIN/FURANS (SW8290)	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	3	3	100%	--	--	14	80
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZO-p-DIOXIN	PG/G	3	3	100%	--	--	17	467
DIOXIN/FURANS (SW8290)	OCTACHLORODIBENZOFURAN	PG/G	3	3	100%	--	--	8.5	70
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	1	3	33%	0.49	0.49	0.74	0.74
DIOXIN/FURANS (SW8290)	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	3	3	100%	--	--	45	146
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZO-p-DIOXINS, (TOTAL)	PG/G	3	3	100%	--	--	0.60	0.76
DIOXIN/FURANS (SW8290)	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	PG/G	3	3	100%	--	--	21	128
PCB (SW8082)	PCB, TOTAL	µg/Kg	21	21	100%	--	--	110	38,000
PCB (SW8082)	PCB-1260 (AROCHLOR 1260)	µg/Kg	21	21	100%	--	--	110	38,000
Equip Blank									
GRO (AK101)	GASOLINE RANGE ORGANICS	µg/L	4	4	100%	--	--	5.3	8.6
METAL (SW6000/7000)	ALUMINUM	mg/L	2	4	50%	0.016	0.016	0.017	0.025
METAL (SW6000/7000)	BARIUM	mg/L	2	4	50%	5.00E-04	5.00E-04	6.60E-04	0.0010
METAL (SW6000/7000)	CALCIUM	mg/L	4	4	100%	--	--	0.056	0.13
METAL (SW6000/7000)	CHROMIUM, TOTAL	mg/L	2	4	50%	0.0020	0.0020	0.0025	0.0034
METAL (SW6000/7000)	COPPER	mg/L	4	4	100%	--	--	0.0020	0.0099
METAL (SW6000/7000)	IRON	mg/L	4	4	100%	--	--	0.027	0.042
METAL (SW6000/7000)	MANGANESE	mg/L	2	4	50%	5.00E-04	5.00E-04	6.30E-04	0.0010
METAL (SW6000/7000)	MERCURY	mg/L	4	4	100%	--	--	3.10E-05	8.30E-05
METAL (SW6000/7000)	SODIUM	mg/L	2	4	50%	0.36	0.36	0.50	0.55
METAL (SW6000/7000)	ZINC	mg/L	3	4	75%	0.0010	0.0010	0.0024	0.0051
METAL DISS (SW6000/7000)	BARIUM	mg/L	1	3	33%	5.00E-04	5.00E-04	0.0022	0.0022
METAL DISS (SW6000/7000)	BERYLLIUM	mg/L	1	3	33%	2.00E-04	2.00E-04	2.00E-04	2.00E-04
METAL DISS (SW6000/7000)	CALCIUM	mg/L	1	3	33%	0.018	0.018	0.019	0.019
METAL DISS (SW6000/7000)	CHROMIUM, TOTAL	mg/L	1	3	33%	0.0020	0.0020	0.0067	0.0067
METAL DISS (SW6000/7000)	COBALT	mg/L	1	3	33%	0.0015	0.0015	0.0015	0.0015
METAL DISS (SW6000/7000)	COPPER	mg/L	3	3	100%	--	--	0.0015	0.0030
METAL DISS (SW6000/7000)	IRON	mg/L	2	3	67%	0.0040	0.0040	0.0044	0.074
METAL DISS (SW6000/7000)	MERCURY	mg/L	3	3	100%	--	--	8.10E-05	8.90E-05
METAL DISS (SW6000/7000)	SODIUM	mg/L	1	3	33%	0.36	0.36	0.51	0.51
METAL DISS (SW6000/7000)	ZINC	mg/L	1	3	33%	0.0010	0.0010	0.0012	0.0012
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/L	1	4	25%	1.7	1.9	3.3	3.3
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/L	2	4	50%	1.8	1.8	2.1	2.5
VOC (SW8260B)	BENZENE	µg/L	2	4	50%	0.064	0.064	0.10	0.12
VOC (SW8260B)	CARBON DISULFIDE	µg/L	1	4	25%	0.068	0.068	0.34	0.34
VOC (SW8260B)	CHLOROMETHANE	µg/L	4	4	100%	--	--	0.12	1.0
VOC (SW8260B)	METHYLENE CHLORIDE	µg/L	4	4	100%	--	--	0.37	2.3
VOC (SW8260B)	TOLUENE	µg/L	4	4	100%	--	--	0.25	1.5
Ft Richardson									
BTEX (SW8021)	TOLUENE	µg/L	9	12	75%	0.24	0.24	0.26	0.48

Chemical Group	Parameter	Units	Number of Detects	Number of Samples	Frequency of Detection	Minimum Nondetect Value	Maximum Nondetect Value	Minimum Detected Value	Maximum Detected Value
DRO (AK102)	DIESEL RANGE ORGANICS	mg/L	2	12	17%	0.035	0.037	0.038	0.054
GRO (AK101)	GASOLINE RANGE ORGANICS	µg/L	12	12	100%	--	--	4.2	8.0
PAH (8270SIM)	BENZO(b)FLUORANTHENE	µg/L	1	12	8%	0.014	0.015	0.056	0.056
PAH (8270SIM)	DIBENZ(a,h)ANTHRACENE	µg/L	1	12	8%	0.052	0.055	0.056	0.056
RRO (AK103)	RESIDUAL RANGE ORGANICS	mg/L	12	12	100%	--	--	0.10	0.23
SVOC (SW8270C)	BENZYL ALCOHOL	µg/L	1	12	8%	0.65	0.71	1.4	1.4
SVOC (SW8270C)	bis(2-ETHYLHEXYL) PHTHALATE	µg/L	1	12	8%	1.7	1.9	2.2	2.2
SVOC (SW8270C)	DI-n-BUTYL PHTHALATE	µg/L	3	12	25%	1.8	1.9	1.8	2.8
VOC (SW8260B)	ACETONE	µg/L	2	12	17%	1.2	1.2	1.4	6.5
VOC (SW8260B)	CHLOROFORM	µg/L	3	12	25%	0.25	0.25	1.3	5.6
VOC (SW8260B)	CHLOROMETHANE	µg/L	1	12	8%	0.29	0.29	1.8	1.8
VOC (SW8260B)	METHYLENE CHLORIDE	µg/L	5	12	42%	1.2	1.2	2.3	6.0
VOC (SW8260B)	TETRACHLOROETHYLENE(PCE)	µg/L	1	12	8%	0.12	0.12	0.61	0.61
VOC (SW8260B)	TOLUENE	µg/L	2	12	17%	0.25	0.25	0.53	0.56
Trip Blank									
GRO (AK101)	GASOLINE RANGE ORGANICS	mg/Kg	2	13	15%	0.44	0.94	0.80	1.7
VOC (SW8260B)	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	µg/Kg	1	17	6%	9.4	24	28	28
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/Kg	2	17	12%	3.7	9.4	20	110
VOC (SW8260B)	ACETONE	µg/Kg	7	17	41%	30	76	67	260
VOC (SW8260B)	BENZENE	µg/Kg	2	17	12%	4.4	11	21	31
VOC (SW8260B)	ETHYLBENZENE	µg/Kg	1	17	6%	4.7	12	26	26
VOC (SW8260B)	HEXACHLOROBUTADIENE	µg/Kg	2	17	12%	10	26	15	32
VOC (SW8260B)	IODOMETHANE (METHYL IODIDE)	µg/Kg	1	17	6%	10	26	440	440
VOC (SW8260B)	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	9	17	53%	13	25	41	290
VOC (SW8260B)	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	2	17	12%	3.8	9.4	32	47
VOC (SW8260B)	METHYLENE CHLORIDE	µg/Kg	17	17	100%	--	--	56	290
VOC (SW8260B)	n-BUTYLBENZENE	µg/Kg	1	17	6%	2.3	6.0	15	15
VOC (SW8260B)	NAPHTHALENE	µg/Kg	1	17	6%	2.5	6.2	14	14
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/Kg	1	17	6%	6.9	18	34	34
VOC (SW8260B)	TOLUENE	µg/Kg	10	17	59%	6.2	12	13	140
VOC (SW8260B)	XYLENES, m & p	µg/Kg	3	17	18%	3.7	9.4	16	100
GRO (AK101)	GASOLINE RANGE ORGANICS	µg/L	14	15	93%	3.0	3.0	3.1	11
VOC (SW8260B)	1,2,4-TRIMETHYLBENZENE	µg/L	2	16	13%	0.062	0.50	0.24	0.85
VOC (SW8260B)	ACETONE	µg/L	4	12	33%	0.13	5.1	1.4	4.9
VOC (SW8260B)	BENZENE	µg/L	3	16	19%	0.064	0.50	0.13	0.53
VOC (SW8260B)	CHLOROMETHANE	µg/L	2	16	13%	0.071	0.50	0.12	0.20
VOC (SW8260B)	ETHYLBENZENE	µg/L	2	16	13%	0.056	0.50	0.12	0.58
VOC (SW8260B)	METHYLENE CHLORIDE	µg/L	16	16	100%	--	--	0.49	3.4
VOC (SW8260B)	NAPHTHALENE	µg/L	1	16	6%	0.042	0.50	1.0	1.0
VOC (SW8260B)	O-XYLENE (1,2-DIMETHYLBENZENE)	µg/L	1	16	6%	0.061	0.50	0.15	0.15
VOC (SW8260B)	TOLUENE	µg/L	6	16	38%	0.067	0.50	0.11	0.45
VOC (SW8260B)	XYLENES, m & p	µg/L	3	16	19%	0.14	1.0	0.20	2.4