

rec'd 2/6/14

Limited Site Characterization Summary Report

**Raven Landing Apartments
1041&1101 Kellum Street
Fairbanks, Alaska**

February 6, 2014 ✓

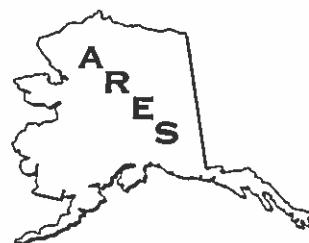
Prepared for:

Weeks Field Estates II Limited Partnership

Prepared by:

**Alaska Resources and
Environmental Services, LLC.**

284 Topsid Drive
Fairbanks, AK 99712



Prepared
by:

Lyle Greshover
Lyle Greshover
Project Manager/Geologist

ACRONYMS AND ABBREVIATIONS

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
ARES	Alaska Resources and Environmental Services, LLC
bgs	Below Ground Surface
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
COC	Chain of Custody
FNSB	Fairbanks North Star Borough
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
mg/kg	Milligrams per kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
ND	Non-Detect
PID	Photoionization Detector
ppm	Parts Per Million
QA	Quality Assurance
QC	Quality Control
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

LIMITED SITE CHARACTERIZATION SUMMARY REPORT

1.0 INTRODUCTION

This report summarizes the findings of the limited site characterization conducted by Alaska Resources and Environmental Services, LLC (ARES) for the subject property located at 1041 and 1101 Kellum Street, Fairbanks, AK (Figures 1). The property is owned by the Week Field Estates II Limited Partnership. This Limited Site Characterization Summary Report was conducted at the request of Weeks Field Estates II Limited Partnership.

Fieldwork for this ~~limited site characterization~~ occurred on October 10, 2013. This report contains a summary of on-site work and includes field observations and analytical data from sampling activities.

1.1 Objectives and Scope of Work

The purpose of this project was to collect soil field screen samples and soil analytical samples from previously stockpiled soil to determine if soil was above ADEC cleanup levels for Contaminants of Concern. In order to perform the limited site characterization, several activities were performed to include the following:

- Conducted a visual site inspection
- Collection of soil field screen samples and soil analytical samples from soil borings to provide a limited site characterization of a suspect soil stockpile generated during construction activities; and
- Documented site activities to include the collection of field notes and photographs.

1.2 Project Organization / Personnel

Test America Anchorage of 2000 W International Airport Road Suite A10, Anchorage, Alaska 99502-1119, compiled the analytical report. Test America is approved by ADEC to provide testing of soil for hazardous substances and petroleum related contaminants. The telephone number for Test America is (907) 563-9200.

Test America Spokane of 11922 E 1st Avenue, Spokane, Washington 99206, performed laboratory analysis of VOC's in soil. Test America is approved by ADEC to provide testing of soil for hazardous substances and petroleum related contaminants. The telephone number for Test America Spokane is (509) 924-9200.

The site characterization field activities covered in this report was conducted on October 10, 2013, by Mr. Dustin Stahl, Environmental Scientist for Alaska Resources & Environmental Services. Mr. Stahl is listed as a Qualified Person by the Alaska Department of Environmental Conservation (ADEC) under 18 AAC 78. Mr. Lyle Greshover of ARES is the point of contact for this project and may be contacted at Alaska Resources & Environmental Services, LLC, P.O.

Box 83050 Fairbanks, Alaska 99708. The telephone number for Mr. Gresehover is (907) 374-3226.

In summary Test America, performed the following activities:

- Conducted laboratory analysis of soil samples. Laboratory quality control and quality assurance was also completed.

In summary ARES performed the following activities:

- Performed the limited site characterization at the subject property;
- Collected soil field screen samples and soil analytical samples from soil borings;
- Obtained field measurements to include site plan, PID field screening measurements, and sample locations;
- Documented site activities; and
- Preparation of Limited Site Characterization Summary Report.

1.3 Regulatory Framework

A regulatory framework for the site assessment activity has been developed with the consideration of the following regulations and guidance:

- 18 AAC 75 *Oil and Other Hazardous Substances Pollution Control*, as amended through April 8, 2012;
- 18 AAC 78 *Underground Storage Tanks* as amended through July 25, 2012;
- ADEC *UST Procedures Manual* as amended through November 7, 2002
- Site characterization requirements are provided by ADEC in 18 AAC 75, Articles 3 and 9 *Discharge Reporting, Cleanup, and Disposal of Oil and Other Hazardous Substances and General Provisions* as amended through April 8, 2012;
- ADEC soil cleanup levels in accordance with 18 AAC 75.341 Table B1 and B2, Method Two, ‘under 40” zone’, migration to groundwater; and
- ADEC *Draft Field Sampling Guidance* as amended through May 2010.

2.0 SITE DESCRIPTION

2.1 Location

The subject property is located 1041 and 1101 Kellum Street, Fairbanks, AK (Figure 1). The subject property has the legal description of:

- Tract B-1 Weeks Field Community

2.2 History

G2 Construction was contracted by Weeks Field Estates II Limited Partnership to construct several multi-unit apartment buildings and associated infrastructure on several adjacent

properties owned by the Weeks Field Estates II Limited Partnership. During the foundation excavation in the north/northwest corner of building #3, workers excavated and stockpiled soils from an area of known perchloroethylene (PCE) contamination. The contamination was associated with a former shop located on site and was characterized, discovered, and reported by NORTECH Environment, Energy, Health & Safety Consultants who performed a site investigation of the area.

Approximately 370 cy of excavated soils were stockpiled in a 100' long, 50' wide, 2' deep stockpile placed directly on the ground (no liner) in an open field to the east of the apartment buildings. NORTECH estimated that up to 10 cy of potentially PCE contaminated soils were intermixed during the excavation and stockpiling of 370 cy of excavated soils.

Before any environmental investigative work could be done, this small stockpile was covered with additional fresh material (non-contaminated soils) from other excavations on the property. With ADEC approval, the additional soil was removed from the stockpile minus a safety margin to expose the original suspect soil stockpile. The original suspect soil was not disturbed to facilitate ARES's site characterization activities.

3.0 LIMITED SITE CHARACTERIZATION ACTIVITIES

3.1 Field Observations

Field activities documented in this report took place on October 10, 2013.

Site characterization work included the following activities:

- Visual Site Inspection (VSI) of entire site;
- Selection of sampling points/boreholes;
- Advancement of nine (9) boreholes from 0' to 2' bgs throughout the suspect soil stockpile to determine stockpiled soil conditions;
- Collection of field screen and analytical samples; and
- Documentation of site activities.

A total of nine (9) boreholes were advanced and soil analytical samples in addition to soil field screen samples were collected at the base of the borehole to assess subsurface soil conditions. Boreholes were advanced using a Tanaka gasoline-powered auger with a 4' flight. Soil samples were collected from the base of the bore hole using a disposable sterile plastic sampling scoop.

Field screen samples and analytical samples were collected in conjunction with drilling activities. Analytical samples were to be chosen for analysis based upon PID field screen readings. Since all field screen results were 0.0ppm, the stockpile was sampled in a grid pattern. Field screen samples used for PID analysis were not used for analytical sampling.

Nine (9) field screen samples were collected during the preliminary site investigation. ARES used a MiniRAE 3000 PID (Serial No. #592-910012). The PID was used for headspace

screening of samples according to ADEC field screening procedures. The PID was calibrated prior to each period of use to 0 parts per million (ppm) free air and 100 ppm isobutylene calibration gas, using a response factor of 10.

Headspace screening was conducted as follows: Soil samples were transferred directly into a ziplock-type bag. Each bag was filled one-third to one half full, then warmed for 10 to 20 minutes. Temperatures of the soil in the bag were warmed to at least 16°C (60°F). Samples were agitated at the beginning and end of the warming period inside the bag to enhance volatilization. The bags were partially opened after the warming and the VOCs in the headspace above the soil were sampled by inserting the PID probe. The highest meter reading obtained was recorded. Field screen results are displayed in Table 1. Borehole locations are shown in Figure 2.

Table 1: Field Screen Measurements Summary

Raven Landing Soil Stockpile		
Sample / Borehole Location	Depth (inches)	PID Value (ppm)
RL-BH1-1013	20	0.0
RL-BH2-1013	20	0.0
RL-BH3-1013	16	0.0
RL-BH4-1013	20	0.0
RL-BH5-1013	19	0.0
RL-BH6-1013	12	0.0
RL-BH7-1013	19	0.0
RL-BH8-1013	22	0.0
RL-BH9-1013	18	0.0

3.2 Analytical Soil Sampling

A total of ten (10) soil analytical samples (includes one blind field duplicate sample) were collected on October 10, 2013 on the subject property from borehole samples collected at specified depths. Soil samples consisted of grab samples and were collected directly from soil borings. PID field screen sample material was not used for analytical sample collection.

All samples were analyzed for VOC's by 8260B. Borehole / soil analytical sample locations are shown in Figure 2.

Analytical samples were placed into certified clean glass jars provided by Test America. Samples were handled using disposable Nitrile gloves. To comply with the *ADEC Draft Field Sampling Guidance Manual*, for VOC samples, 25 milliliters of a methanol/surrogate was carefully added to the undisturbed soil in the partially filled pre-weighted sample jar so that the sample was completely submerged. Sample jars were properly labeled and placed into a pre-chilled cooler. The chilled temperature within the cooler was maintained at approximately 4°C using frozen gel packages during transportation to the laboratory. A signed Chain-of-Custody

(COC) form accompanied the samples to Test America. The COC is attached to Test America's Lab Report. Analytical soil results are summarized in Table 2. Complete analytical results are included in Appendix C.

3.4 ADEC Target Cleanup Levels

Target soil cleanup levels for the subject site was determined using 18 AAC 75.341 (Method Two) Soil Cleanup Levels (Table B1, B2) most stringent cleanup levels under 40 inch zone. Soil cleanup levels for detected VOC compounds are included in Table 2.

3.5 Soil Analytical Results

The analytical results are summarized in Table 2. Analytical sample locations (borehole locations) are shown in Figure 2. Complete analytical results are included in Appendix C.

Table 2: VOC Detection Summary

Sample ID	Compounds Detected Above MDL	Analytical result (mg/kg) ²	Regulatory limits ¹ (mg/kg) ²
RL-BH1-1013	Toluene	0.00999 J	6.5
RL-BH2-1013	Toluene	0.0173 J	6.5
	trans-1,2-Dichloroethene	0.0328 J	3.7
	Xylenes (total)	0.00863 J	63
RL-BH3-1013	Toluene	0.00842 J	6.5
RL-BH4-1013	Toluene	0.00621 J	6.5
RL-BH5-1013	Toluene	0.0243 J	6.5
	Xylenes (total)	0.0331 J	63
RL-BH6-1013	Toluene	0.0243 J	6.5
	Xylenes (total)	0.0138 J	63
RL-BH7-1013	Toluene	0.00565 J	6.5
RL-BH8-1013	Toluene	0.135 J	6.5
	Xylenes (total)	0.0129 J	63
RL-BH9-1013	Toluene	0.0214 J	6.5
	Xylenes (total)	0.0137 J	63
RL-DUP-1013	Toluene	0.0206 J	6.5
	Xylenes (total)	0.0125 J	63

¹ Regulatory limits are sourced from Title 18 of the Alaska Administrative Code, Chapter 75. Section 341. Table B1, B2 Method 2. Most stringent level listed for above 40" zone (Revised as of April 8, 2012).

² Units mg/kg unless otherwise specified

J = Analyte was detected above the MDL but below the MRL. The given value is considered an estimation.
Results above ADEC Regulatory Limit in **Bold**.

All analytical samples were found to be below ADEC cleanup limits for all VOC compounds.

4.0 QUALITY ASSURANCE AND QUALITY CONTROL

4.1 Blind Duplicate Sample

Field quality control (QC) procedures for this project included the collection and analysis of a blind field duplicate sample. The QC sample was analyzed to assess the quality of sample collection and handling, as well as the accuracy and precision of the laboratory's analytical procedures.

RPD calculations provide a comparison of two theoretically identical samples that are submitted blind to the laboratory in order to provide an un-biased measure of precision. Due to the nature of the RPD calculation, sample data for both samples must be reported in order for the RPD calculation to provide meaningful data. RPD calculations are shown below in Table 3.

Table 3: Relative Percent Difference Calculations for Soil

Sample ID / Duplicate ID	Date	Compound	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD (%)
RL-BH5-1013/ RL-DUP-1013	10/10/2013	Toluene	0.0352	0.0214	48.8

Given two sample concentrations (X and Y) the formula to determine RPD is the absolute value of the following:

$$[((X - Y) / (X + Y)) / 2] * 100 = \text{RPD}$$

RPD calculations above the ADEC limit of 50% for soil samples are given in **bold**.

The ADEC recommended limit for RPD in soil is <50%. The RPD calculation for soil analysis was within the ADEC recommended limits.

4.2 Trip Blank Sample

Field quality control (QC) procedures for this project included the analysis of a soil trip blank sample which accompanied the samples in the field. The trip blank sample was analyzed to assess the quality of sample collection and handling.

In ideal conditions the analysis of a trip blank sample should not indicate the presence of any of the tested analytes in a quantity above the method reporting limit (MRL). A result above the MRL can indicate that cross-contamination occurred between samples during sample transport or analysis, or indicate laboratory contamination.

One soil trip blank sample was included with this sample shipment. The trip blank sample was analyzed for VOC's by EPA 8260B. Toluene was detected above the MRL in the soil trip blank sample (0.151mg/kg). Toluene was also detected in the laboratory method blank (0.00350mg/kg) at levels below the MRL. It is possible that cross-contamination between samples occurred. It is also possible that laboratory contamination or calibration error occurred. Data quality is affected. Results for toluene should be viewed qualitatively rather than quantitatively, however, results are well below ADEC cleanup levels for toluene in soil.

4.3 Data Quality Review

The ADEC Environmental Laboratory Data Quality Assurance Requirements (March 2009) and United States Environmental Protection Agency (EPA) National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) were followed in this site investigation. The data was reviewed to determine the data quality and to evaluate potential impact on the usability of the data. The review was performed using Level II reports that were provided by Test America, Inc. laboratory of Anchorage, AK. The analytical laboratory reports, chain-of-custody records, and ADEC lab quality checklist is included in Appendix C.

The following quality control parameters were reviewed:

- Holding times
- Sample handling and receiving
- Surrogate percent recovery
- Field duplicate sample comparability
- Matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD)
- Laboratory control sample (LCS)/Laboratory control sample duplicate (LCSD) percent recoveries and RPD
- Method blanks
- Trip blanks
- Method Sensitivity – reporting limits and practical quantitation limits (PQL)

The quality control parameters with regard to laboratory report number AWJ0044 were found to be within accepted limits with the following exceptions:

- There are twelve analytes that have PQL's greater than the ADEC cleanup levels, but the laboratory MDL is less than cleanup levels for these twelve analytes in all samples. Two analytes 1,2-Dibromoethane and 1,2,3-Trichloropropane have MDL's and PQL's greater than ADEC cleanup levels for all samples. Vinyl chloride and methylene chloride have MDL's and PQL's greater than ADEC cleanup levels in one sample. Data quality is affected. Non-detect results with elevated detection limits could possibly be above ADEC cleanup levels for the affected samples/analytes, however none of these analytes were target/ historical analytes for the investigation.
- Toluene was detected above the MRL in the soil trip blank sample (0.151mg/kg). Toluene was also detected in the laboratory method blank (0.00350mg/kg) at levels below the MRL. It is possible that cross-contamination between samples occurred. It is also possible that laboratory contamination or a laboratory calibration error occurred. Data quality is affected. Results for toluene should be viewed qualitatively rather than quantitatively.

5.0 CONCLUSIONS AND RECOMMENDATIONS

This report summarizes the findings of the Limited Site Characterization conducted by Alaska Resources and Environmental Services, LLC (ARES) for the subject property located at 1041

and 1101 Kellum Street, Fairbanks, Alaska. ARES completed this investigation by request of Weeks Field Estates II Limited Partnership. The property is multi-unit, rent restricted apartment building and surrounding property currently owned by the Weeks Field Estates II Limited Partnership according to Fairbanks North Star Borough records.

The site investigation took place on October 10, 2013. A total of nine (9) soil field screen samples and ten (10) soil analytical samples (including one duplicate sample) were collected from boreholes placed in a grid pattern on the suspect soil stockpile. Soil samples consisted of grab samples and all samples were analyzed for VOC's by 8260B.

ARES concludes and recommends the following:

- The suspect Contaminant of Concern, PCE, was not detected in soil analytical samples. All soil samples were non-detect for PCE in soil. In addition, all soil samples were below ADEC cleanup levels for remaining VOC compounds.
- ARES recommends that the site be granted 'Closure' by ADEC. ARES recommends that ADEC consult with USEPA prior to removing soils off-site.

6.0 LIMITATIONS OF INVESTIGATION

This report presents the analytical results from a limited number of soil samples and should not be construed as a comprehensive study of subsurface conditions at the site. The samples were intended to evaluate the presence or absence of contaminants at the locations selected.

Detectable levels of VOC's or other substances may be present at different locations. It was also not the intent of our sampling and testing to detect the presence of soil affected by contaminants other than those for which laboratory analysis were performed. No conclusions can be drawn on the presence or absence of other contaminants. This is not a geotechnical study.

The data presented in this report should be considered representative of the time of our site observations and sample collection. Changes in site conditions can occur with time because of natural forces or human activity. ARES reserves the right to modify or alter conclusions and recommendations should additional data become available.

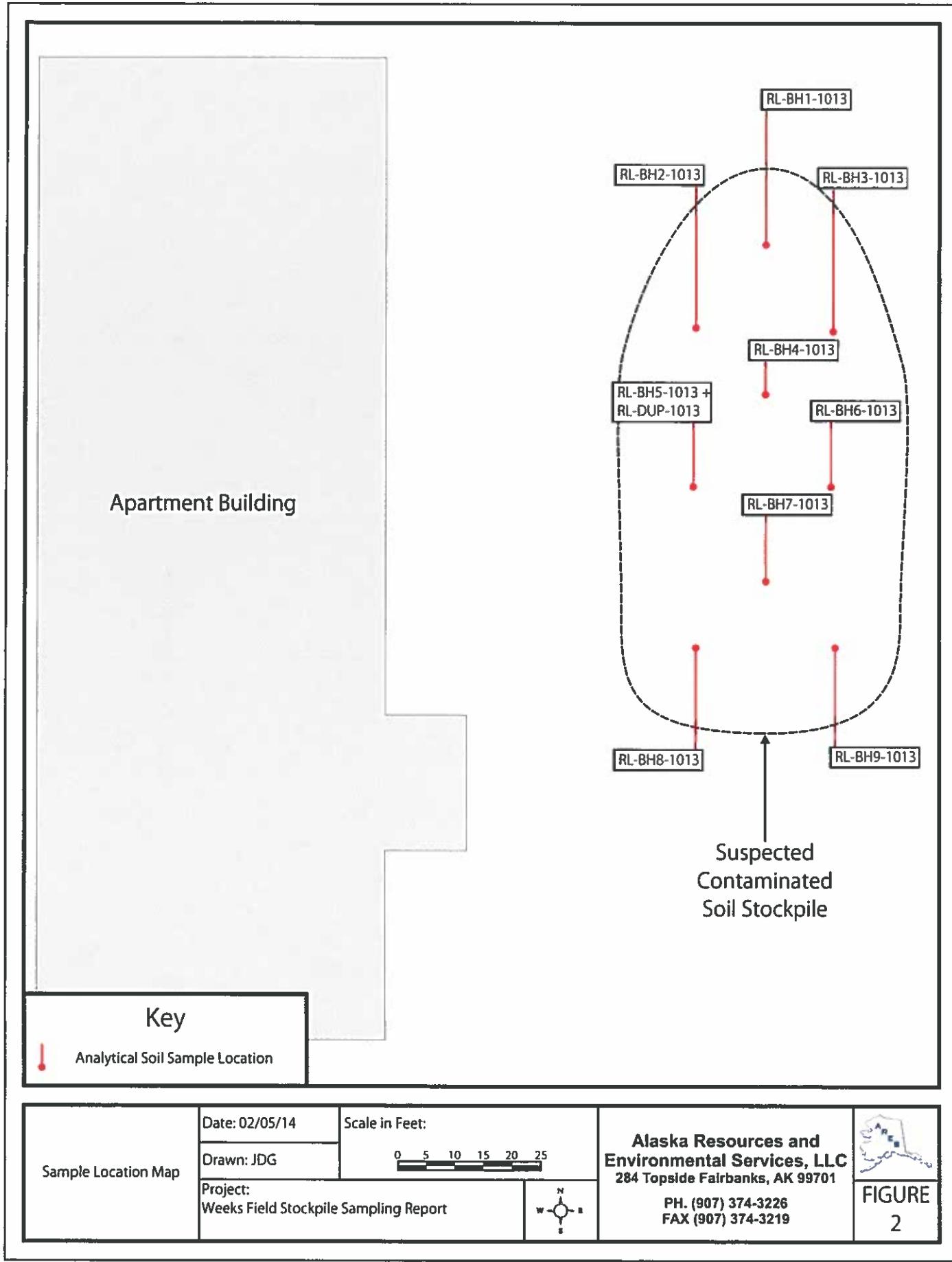
This report was prepared for the exclusive use of Week Field Estates II Limited Partnership and its representatives. If it is made available to others, it should be for information on factual data only and not as a warranty of subsurface conditions.

Appendix A:

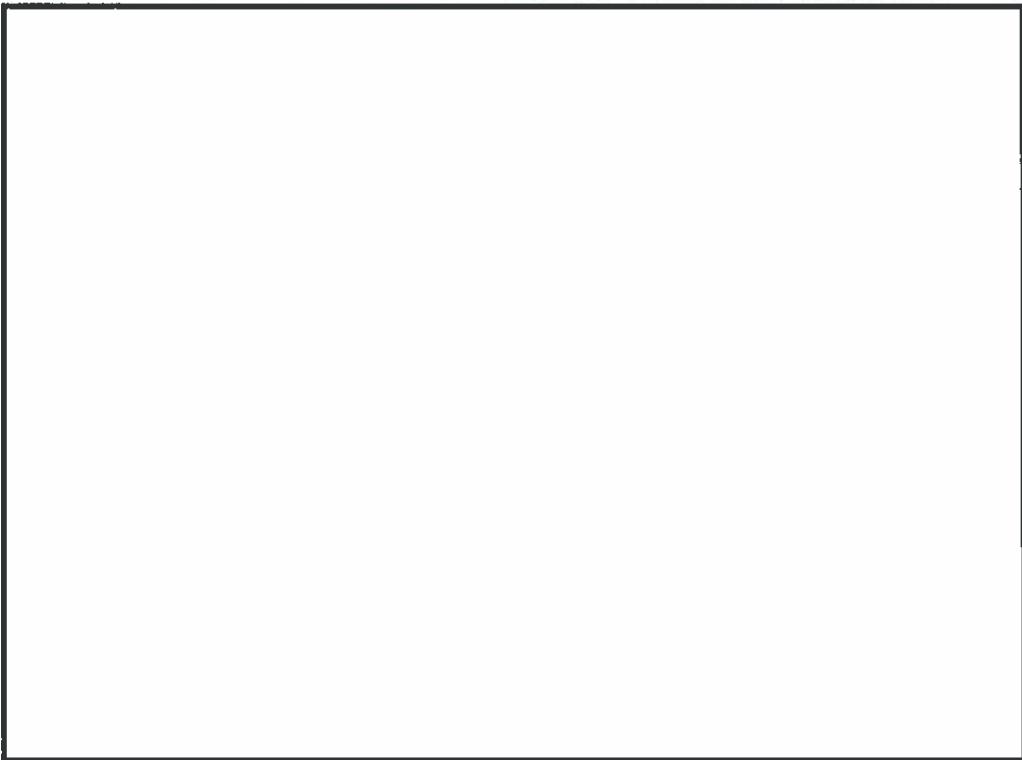
Figures



2012 Aerial Photograph Fairbanks, AK	Date: 02/05/14	Scale In Feet:	Alaska Resources and Environmental Services, LLC 284 Topsider Fairbanks, AK 99701 PH. (907) 374-3226 FAX (907) 374-3219
	Drawn: JDG	0 50 100 150 200	
Project: Weeks Field Stockpile Sampling Report		North South East West	 FIGURE 1



Appendix B:
Photographs



Photograph 1: Viewed Northwest
Raven Landing suspect soil stockpile.

Photograph 2:
No photograph.

Project: Limited Site Characterizations Summary Report
Raven Landing

Alaska Resources and
Environmental Services, LLC
284 Topsider Fairbanks, AK 99701

PH. (907) 374-3226
FAX (907) 374-3219



Photographs
1-2

Appendix C:
Analytical Results
&
ADEC Lab Quality Checklist

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Anchorage

2000 West International Airport Road Suite A10
Anchorage, AK 99502-1119

Tel: (907) 563-9200

TestAmerica Job ID: AWJ0044

Client Project/Site: RL1013

Client Project Description: Raven Landing

Revision: 1

For:

Alaska Resources & Environmental Services
P.O. Box 83050
Fairbanks, AK 99708

Attn: Lyle Gresehover

Johanna Dreher

Authorized for release by:

12/6/2013 1:14:23 PM

Johanna L Dreher, Client Services Manager
(907) 563-9200
johanna.dreher@testamericainc.com

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Job ID: AWJ0044

Laboratory: TestAmerica Anchorage

Narrative

Revised Report Issued on 12/6/13

8260 VOC method detection limit (MDL) data added as requested by the client.

Receipt

Samples were received on 10/16/2013 at 15:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

The temperature of the cooler at receipt was 5.4° C.

Subcontracted

This data set was subcontracted to TestAmerica Spokane from TestAmerica Anchorage.

Detection Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH1-1013

Lab Sample ID: AWJ0044-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00999	J	0.166	0.00449	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH2-1013

Lab Sample ID: AWJ0044-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	0.0328	J	0.345	0.00598	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Toluene	0.0173	J	0.115	0.00311	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.00863	J	0.460	0.00679	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH3-1013

Lab Sample ID: AWJ0044-03

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00842	J	0.140	0.00379	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH4-1013

Lab Sample ID: AWJ0044-04

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00621	J	0.155	0.00419	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH5-1013

Lab Sample ID: AWJ0044-05

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0352	J	0.207	0.00559	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.0238	J	0.828	0.0122	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
o-Xylene	0.00932	J	0.414	0.00455	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0331	J	1.24	0.0168	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH6-1013

Lab Sample ID: AWJ0044-06

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0243	J	0.110	0.00298	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.0138	J	0.442	0.00652	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0138	J	0.683	0.00895	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH7-1013

Lab Sample ID: AWJ0044-07

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00585	J	0.0942	0.00254	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH8-1013

Lab Sample ID: AWJ0044-08

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0250	J	0.135	0.00365	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.0129	J	0.541	0.00799	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0129	J	0.812	0.0110	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-BH9-1013

Lab Sample ID: AWJ0044-09

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0214	J	0.110	0.00286	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

This Detection Summary does not include radiochemical test results.

TestAmerica Anchorage

Detection Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH9-1013 (Continued)

Lab Sample ID: AWJ0044-09

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	0.0137	J	0.439	0.00647	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0137	J	0.658	0.00888	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: RL-DUP-1013

Lab Sample ID: AWJ0044-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0206	J	0.147	0.00397	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.0125	J	0.588	0.00868	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0125	J	0.882	0.0119	mg/kg dry	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

Client Sample ID: TripBlank

Lab Sample ID: AWJ0044-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0180	J	0.0200	0.00330	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Toluene	0.151		0.100	0.00270	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Ethylbenzene	0.0165	J	0.100	0.00240	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
m,p-Xylene	0.0595	J	0.400	0.00590	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
o-Xylene	0.0175	J	0.200	0.00220	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Isopropylbenzene	0.0275	J	0.100	0.00340	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total
Xylenes (total)	0.0770	J	0.600	0.00810	mg/kg wet	1.00	<input checked="" type="checkbox"/>	EPA 8260C	Total

This Detection Summary does not include radiochemical test results.

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH1-1013

Date Collected: 10/10/13 15:00

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-01

Matrix: Soil

Percent Solids: 86.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DL Fac
Dichlorodifluoromethane	ND		0.166	0.0228	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Chloromethane	ND		0.0499	0.0208	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Vinyl chloride	ND		0.0133	0.00816	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Bromomethane	ND		0.0999	0.0371	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Chloroethane	ND		0.166	0.0398	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Trichlorofluoromethane	ND		0.0499	0.0479	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1-Dichloroethene	ND		0.0499	0.00832	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Carbon disulfide	ND		0.166	0.00816	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Methylene chloride	ND		0.333	0.0148	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Acetone	ND		1.66	0.102	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
trans-1,2-Dichloroethene	ND		0.499	0.00886	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Methyl tert-butyl ether	ND		0.166	0.00483	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1-Dichloroethane	ND		0.166	0.00816	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
cis-1,2-Dichloroethene	ND		0.333	0.00533	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
2,2-Dichloropropane	ND		0.166	0.0107	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Bromoform	ND		0.166	0.00599	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Chloroform	ND		0.166	0.00583	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Carbon tetrachloride	ND		0.0499	0.0110	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1,1-Trichloroethane	ND		0.166	0.00915	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
2-Butanone	ND		1.66	0.0804	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1-Dichloropropene	ND		0.166	0.00886	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Benzene	ND		0.0333	0.00549	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2-Dichloroethane (EDC)	ND		0.0250	0.00682	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Trichloroethene	ND		0.0333	0.00499	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Dibromomethane	ND		0.166	0.00682	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2-Dichloropropane	ND		0.0166	0.00766	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Bromodichloromethane	ND		0.0499	0.00649	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
cis-1,3-Dichloropropene	ND		0.0333	0.00816	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Toluene	0.00999	J	0.166	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
4-Methyl-2-pentanone	ND		1.66	0.0313	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
trans-1,3-Dichloropropene	ND		0.0333	0.00568	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Tetrachloroethene	ND		0.0333	0.0107	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1,2-Trichloroethane	ND		0.0166	0.00716	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Dibromochloromethane	ND		0.0499	0.0208	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,3-Dichloropropane	ND		0.0333	0.0208	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2-Dibromoethane	ND		0.00832	0.00433	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
2-Hexanone	ND		1.66	0.0438	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Ethylbenzene	ND		0.166	0.00399	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Chlorobenzene	ND		0.166	0.00416	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1,1,2-Tetrachloroethane	ND		0.166	0.00882	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
m,p-Xylene	ND		0.666	0.00982	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
o-Xylene	ND		0.333	0.00366	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Styrene	ND		0.166	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Bromoform	ND		0.166	0.0208	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Isopropylbenzene	ND		0.166	0.00586	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
n-Propylbenzene	ND		0.166	0.00632	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,1,2,2-Tetrachloroethane	ND		0.0166	0.00882	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Bromobenzene	ND		0.166	0.0103	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,3,5-Trimethylbenzene	ND		0.166	0.00716	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH1-1013

Date Collected: 10/10/13 15:00

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-01

Matrix: Soil

Percent Solids: 85.6

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.166	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2,3-Trichloropropane	ND		0.0166	0.00649	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
4-Chlorotoluene	ND		0.166	0.00583	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
tert-Butylbenzene	ND		0.166	0.00982	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2,4-Trimethylbenzene	ND		0.166	0.00583	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
sec-Butylbenzene	ND		0.166	0.00782	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
p-Isopropyltoluene	ND		0.166	0.00718	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,3-Dichlorobenzene	ND		0.166	0.00599	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,4-Dichlorobenzene	ND		0.166	0.00782	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
n-Butylbenzene	ND		0.166	0.00949	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2-Dichlorobenzene	ND		0.166	0.00416	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2-Dibromo-3-chloropropane	ND		0.832	0.0315	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Hexachlorobutadiene	ND		0.166	0.0451	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2,4-Trichlorobenzene	ND		0.166	0.00899	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Naphthalene	ND		0.333	0.0123	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
1,2,3-Trichlorobenzene	ND		0.166	0.0141	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Xylenes (total)	ND		0.999	0.0135	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 12:48	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		42.4 - 163				10/18/13 09:07	10/18/13 12:48	1.00
Toluene-d8	100		45.8 - 155				10/18/13 09:07	10/18/13 12:48	1.00
4-bromofluorobenzene	103		41.5 - 162				10/18/13 09:07	10/18/13 12:48	1.00
a,a,a - Trifluorotoluene	96.3		50 - 150				10/18/13 09:07	10/18/13 12:48	1.00

Client Sample ID: RL-BH2-1013

Date Collected: 10/10/13 15:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-02

Matrix: Soil

Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.115	0.0158	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Chloromethane	ND		0.0345	0.0144	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Vinyl chloride	ND		0.00920	0.00584	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Bromomethane	ND		0.0690	0.0257	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Chloroethane	ND		0.115	0.0274	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Trichlorofluoromethane	ND		0.0345	0.0331	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1-Dichloroethene	ND		0.0345	0.00644	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Carbon disulfide	ND		0.115	0.00584	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Methylene chloride	ND		0.230	0.0102	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Acetone	ND		1.15	0.0708	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
trans-1,2-Dichloroethene	0.0328	J	0.345	0.00598	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Methyl tert-butyl ether	ND		0.115	0.00334	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1-Dichloroethane	ND		0.115	0.00584	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
cis-1,2-Dichloroethene	ND		0.230	0.00388	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
2,2-Dichloropropane	ND		0.115	0.00738	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Bromochloromethane	ND		0.115	0.00414	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Chloroform	ND		0.115	0.00403	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Carbon tetrachloride	ND		0.0345	0.00759	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1,1-Trichloroethane	ND		0.115	0.00633	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
2-Butanone	ND		1.15	0.0556	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH2-1013

Date Collected: 10/10/13 15:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-02

Matrix: Soil

Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.115	0.00460	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Benzene	ND		0.0230	0.00380	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2-Dichloroethane (EDC)	ND		0.0173	0.00472	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Trichloroethene	ND		0.0230	0.00345	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Dibromomethane	ND		0.115	0.00472	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2-Dichloropropane	ND		0.0115	0.00529	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Bromodichloromethane	ND		0.0345	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
cis-1,3-Dichloropropene	ND		0.0230	0.00426	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Toluene	0.0173 J		0.115	0.00311	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
4-Methyl-2-pentanone	ND		1.15	0.0218	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
trans-1,3-Dichloropropene	ND		0.0230	0.00391	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Tetrachloroethene	ND		0.0230	0.00736	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1,2-Trichloroethane	ND		0.0115	0.00485	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Dibromochloromethane	ND		0.0345	0.0144	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,3-Dichloropropane	ND		0.0230	0.0144	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2-Dibromoethane	ND		0.00575	0.00299	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
2-Hexanone	ND		1.15	0.0301	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Ethylbenzene	ND		0.115	0.00278	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Chlorobenzene	ND		0.115	0.00288	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1,1,2-Tetrachloroethane	ND		0.115	0.00610	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
m,p-Xylene	0.00863 J		0.480	0.00879	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
o-Xylene	ND		0.230	0.00253	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Styrene	ND		0.115	0.00311	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Bromoform	ND		0.115	0.0144	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Isopropylbenzene	ND		0.115	0.00391	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
n-Propylbenzene	ND		0.115	0.00437	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,1,2,2-Tetrachloroethane	ND		0.0115	0.00610	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Bromobenzene	ND		0.115	0.00713	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,3,5-Trimethylbenzene	ND		0.115	0.00495	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
2-Chlorotoluene	ND		0.115	0.00311	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2,3-Trichloropropane	ND		0.0115	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
4-Chlorotoluene	ND		0.115	0.00403	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
tert-Butylbenzene	ND		0.115	0.00679	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2,4-Trimethylbenzene	ND		0.115	0.00403	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
sec-Butylbenzene	ND		0.115	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
p-Isopropyltoluene	ND		0.115	0.00495	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,3-Dichlorobenzene	ND		0.115	0.00414	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,4-Dichlorobenzene	ND		0.115	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
n-Butylbenzene	ND		0.115	0.00656	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2-Dichlorobenzene	ND		0.115	0.00288	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2-Dibromo-3-chloropropane	ND		0.575	0.0217	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Hexachlorobutadiene	ND		0.115	0.0312	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2,4-Trichlorobenzene	ND		0.115	0.00483	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Naphthalene	ND		0.230	0.00851	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
1,2,3-Trichlorobenzene	ND		0.115	0.00978	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Xylenes (total)	ND		0.690	0.00932	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:08	1.00
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DibromoFluoromethane		101		42.4 - 163			10/18/13 09:07	10/18/13 13:08	1.00
Toluene-d8		102		45.8 - 155			10/18/13 09:07	10/18/13 13:08	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH2-1013

Date Collected: 10/10/13 15:05
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-02

Matrix: Soil

Percent Solids: 88.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-bromofluorobenzene	100		41.5 - 162	10/18/13 09:07	10/18/13 13:08	1.00
a,a,a - Trifluorotoluene	93.5		50 - 150	10/18/13 09:07	10/18/13 13:08	1.00

Client Sample ID: RL-BH3-1013

Date Collected: 10/10/13 15:10
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-03

Matrix: Soil

Percent Solids: 86.9

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.140	0.0192	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Chloromethane	ND		0.0421	0.0175	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Vinyl chloride	ND		0.0112	0.00888	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Bromomethane	ND		0.0842	0.0313	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Chloroethane	ND		0.140	0.0334	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Trichlorofluoromethane	ND		0.0421	0.0404	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1-Dichloroethene	ND		0.0421	0.00788	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Carbon disulfide	ND		0.140	0.00688	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Methylene chloride	ND		0.281	0.0125	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Acetone	ND		1.40	0.0863	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
trans-1,2-Dichloroethene	ND		0.421	0.00730	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Methyl tert-butyl ether	ND		0.140	0.00407	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1-Dichloroethane	ND		0.140	0.00688	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
cis-1,2-Dichloroethene	ND		0.281	0.00449	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
2,2-Dichloropropane	ND		0.140	0.00898	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Bromochloromethane	ND		0.140	0.00505	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Chloroform	ND		0.140	0.00491	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Carbon tetrachloride	ND		0.0421	0.00926	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1,1-Trichloroethane	ND		0.140	0.00772	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
2-Butanone	ND		1.40	0.0678	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1-Dichloropropene	ND		0.140	0.00561	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Benzene	ND		0.0281	0.00463	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2-Dichloroethane (EDC)	ND		0.0211	0.00576	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Trichloroethene	ND		0.0281	0.00421	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Dibromomethane	ND		0.140	0.00576	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2-Dichloropropane	ND		0.0140	0.00848	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Bromodichloromethane	ND		0.0421	0.00547	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
cis-1,3-Dichloropropene	ND		0.0281	0.00519	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Toluene	0.00842 J		0.140	0.00379	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
4-Methyl-2-pentanone	ND		1.40	0.0264	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
trans-1,3-Dichloropropene	ND		0.0281	0.00477	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Tetrachloroethene	ND		0.0281	0.00898	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1,2-Trichloroethane	ND		0.0140	0.00804	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Dibromochloromethane	ND		0.0421	0.0175	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,3-Dichloropropane	ND		0.0281	0.0175	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2-Dibromoethane	ND		0.00702	0.00365	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
2-Hexanone	ND		1.40	0.0368	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Ethylbenzene	ND		0.140	0.00337	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Chlorobenzene	ND		0.140	0.00351	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1,1,2-Tetrachloroethane	ND		0.140	0.00744	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH3-1013

Date Collected: 10/10/13 15:10

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-03

Matrix: Soil

Percent Solids: 86.9

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		0.581	0.00828	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
o-Xylene	ND		0.281	0.00309	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Styrene	ND		0.140	0.00379	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Bromoform	ND		0.140	0.0175	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Isopropylbenzene	ND		0.140	0.00477	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
n-Propylbenzene	ND		0.140	0.00533	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,1,2,2-Tetrachloroethane	ND		0.0140	0.00744	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Bromobenzene	ND		0.140	0.00870	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,3,5-Trimethylbenzene	ND		0.140	0.00804	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
2-Chlorotoluene	ND		0.140	0.00379	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2,3-Trichloropropane	ND		0.0140	0.00547	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
4-Chlorotoluene	ND		0.140	0.00481	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
tert-Butylbenzene	ND		0.140	0.00828	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2,4-Trimethylbenzene	ND		0.140	0.00491	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
sec-Butylbenzene	ND		0.140	0.00860	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
p-Isopropyltoluene	ND		0.140	0.00804	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,3-Dichlorobenzene	ND		0.140	0.00505	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,4-Dichlorobenzene	ND		0.140	0.00880	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
n-Butylbenzene	ND		0.140	0.00800	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2-Dichlorobenzene	ND		0.140	0.00351	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2-Dibromo-3-chloropropane	ND		0.702	0.0285	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Hexachlorobutadiene	ND		0.140	0.0380	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2,4-Trichlorobenzene	ND		0.140	0.00590	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Naphthalene	ND		0.281	0.0104	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
1,2,3-Trichlorobenzene	ND		0.140	0.0119	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Xylenes (total)	ND		0.842	0.0114	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99.4		42.4 - 163			<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
Toluene-d8	104		45.8 - 155			<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
4-bromofluorobenzene	104		41.5 - 162			<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00
a,a,a - Trifluorotoluene	112		50 - 150			<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:28	1.00

Client Sample ID: RL-BH4-1013

Date Collected: 10/10/13 15:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-04

Matrix: Soil

Percent Solids: 87.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.155	0.0213	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Chloromethane	ND		0.0466	0.0194	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Vinyl chloride	ND		0.0124	0.00761	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Bromomethane	ND		0.0932	0.0346	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Chloroethane	ND		0.155	0.0370	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Trichlorofluoromethane	ND		0.0466	0.0447	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1-Dichloroethene	ND		0.0466	0.00870	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Carbon disulfide	ND		0.155	0.00761	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Methylene chloride	ND		0.311	0.0138	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Acetone	ND		1.55	0.0955	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
trans-1,2-Dichloroethene	ND		0.466	0.00808	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH4-1013

Date Collected: 10/10/13 15:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-04

Matrix: Soil

Percent Solids: 87.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.155	0.00450	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1-Dichloroethane	ND		0.155	0.00761	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
cis-1,2-Dichloroethene	ND		0.311	0.00497	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
2,2-Dichloropropane	ND		0.155	0.00994	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Bromochloromethane	ND		0.155	0.00550	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Chloroform	ND		0.155	0.00544	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Carbon tetrachloride	ND		0.0466	0.0103	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1,1-Trichloroethane	ND		0.155	0.00854	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
2-Butanone	ND		1.55	0.0750	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1-Dichloropropene	ND		0.155	0.00821	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Benzene	ND		0.0311	0.00513	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2-Dichloroethane (EDC)	ND		0.0233	0.00637	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Trichloroethene	ND		0.0311	0.00468	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Dibromomethane	ND		0.155	0.00637	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2-Dichloropropane	ND		0.0155	0.00714	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Bromodichloromethane	ND		0.0466	0.00606	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
cis-1,3-Dichloropropene	ND		0.0311	0.00575	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Toluene	0.00621 J		0.155	0.00419	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
4-Methyl-2-pentanone	ND		1.55	0.0292	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
trans-1,3-Dichloropropene	ND		0.0311	0.00528	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Tetrachloroethene	ND		0.0311	0.00994	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1,2-Trichloroethane	ND		0.0155	0.00668	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Dibromochloromethane	ND		0.0466	0.0194	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,3-Dichloropropane	ND		0.0311	0.0194	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2-Dibromoethane	ND		0.00777	0.00404	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
2-Hexanone	ND		1.55	0.0407	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Ethylbenzene	ND		0.155	0.00373	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Chlorobenzene	ND		0.155	0.00388	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1,1,2-Tetrachloroethane	ND		0.155	0.00823	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
m,p-Xylene	ND		0.621	0.00916	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
o-Xylene	ND		0.311	0.00342	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Styrene	ND		0.155	0.00419	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Bromoform	ND		0.155	0.0194	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Isopropylbenzene	ND		0.155	0.00528	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
n-Propylbenzene	ND		0.155	0.00590	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,1,2,2-Tetrachloroethane	ND		0.0155	0.00823	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Bromobenzene	ND		0.155	0.00963	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,3,5-Trimethylbenzene	ND		0.155	0.00668	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
2-Chlorotoluene	ND		0.155	0.00419	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2,3-Trichloropropane	ND		0.0155	0.00606	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
4-Chlorotoluene	ND		0.155	0.00544	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
tert-Butylbenzene	ND		0.155	0.00916	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2,4-Trimethylbenzene	ND		0.155	0.00544	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
sec-Butylbenzene	ND		0.155	0.00730	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
p-Isopropyltoluene	ND		0.155	0.00668	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,3-Dichlorobenzene	ND		0.155	0.00559	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,4-Dichlorobenzene	ND		0.155	0.00730	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
n-Butylbenzene	ND		0.155	0.00885	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2-Dichlorobenzene	ND		0.155	0.00388	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH4-1013
Date Collected: 10/10/13 15:15
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-04
Matrix: Soil
Percent Solids: 87.5

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	ND		0.777	0.0294	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Hexachlorobutadiene	ND		0.155	0.0421	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2,4-Trichlorobenzene	ND		0.155	0.00652	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Naphthalene	ND		0.311	0.0115	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
1,2,3-Trichlorobenzene	ND		0.155	0.0132	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Xylenes (total)	ND		0.932	0.0128	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 13:47	1.00
Surrogate	%Recovery	Qualifier	Limits			Prepared		Analyzed	Dil Fac
Dibromofluoromethane	101		42.4 - 163			10/18/13 09:07		10/18/13 13:47	1.00
Toluene-d8	105		45.8 - 155			10/18/13 09:07		10/18/13 13:47	1.00
4-bromofluorobenzene	103		41.5 - 162			10/18/13 09:07		10/18/13 13:47	1.00
a,a,a - Trifluorotoluene	106		50 - 150			10/18/13 09:07		10/18/13 13:47	1.00

Client Sample ID: RL-BH5-1013

Date Collected: 10/10/13 15:20
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-05
Matrix: Soil
Percent Solids: 82.8

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.207	0.0284	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Chloromethane	ND		0.0621	0.0259	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Vinyl chloride	ND		0.0168	0.0101	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Bromomethane	ND		0.124	0.0462	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Chloroethane	ND		0.207	0.0493	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Trichlorofluoromethane	ND		0.0621	0.0598	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1-Dichloroethene	ND		0.0621	0.0116	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Carbon disulfide	ND		0.207	0.0101	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Methylene chloride	ND		0.414	0.0184	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Acetone	ND		2.07	0.127	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
trans-1,2-Dichloroethene	ND		0.821	0.0108	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Methyl tert-butyl ether	ND		0.207	0.00600	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1-Dichloroethane	ND		0.207	0.0101	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
cis-1,2-Dichloroethene	ND		0.414	0.00683	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
2,2-Dichloropropane	ND		0.207	0.0133	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Bromochloromethane	ND		0.207	0.00745	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Chloroform	ND		0.207	0.00725	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Carbon tetrachloride	ND		0.0621	0.0137	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1,1-Trichloroethane	ND		0.207	0.0114	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
2-Butanone	ND		2.07	0.100	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1-Dichloropropene	ND		0.207	0.00828	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Benzene	ND		0.0414	0.00683	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2-Dichloroethane (EDC)	ND		0.0311	0.00849	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Trichloroethene	ND		0.0414	0.00621	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Dibromomethane	ND		0.207	0.00849	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2-Dichloropropane	ND		0.0207	0.00852	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Bromodichloromethane	ND		0.0621	0.00807	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
cis-1,3-Dichloropropene	ND		0.0414	0.00786	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Toluene	0.0352 J		0.207	0.00559	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
4-Methyl-2-pentanone	ND		2.07	0.0389	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
trans-1,3-Dichloropropene	ND		0.0414	0.00704	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH5-1013

Date Collected: 10/10/13 15:20

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-05

Matrix: Soil

Percent Solids: 82.8

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.0414	0.0133	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1,2-Trichloroethane	ND		0.0207	0.00890	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Dibromochloromethane	ND		0.0621	0.0259	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,3-Dichloropropane	ND		0.0414	0.0259	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2-Dibromoethane	ND		0.0104	0.00538	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
2-Hexanone	ND		2.07	0.0542	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Ethylbenzene	ND		0.207	0.00497	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Chlorobenzene	ND		0.207	0.00518	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1,1,2-Tetrachloroethane	ND		0.207	0.0110	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
m,p-Xylene	0.0238	J	0.828	0.0122	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
o-Xylene	0.00932	J	0.414	0.00455	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Styrene	ND		0.207	0.00559	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Bromoform	ND		0.207	0.0259	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Isopropylbenzene	ND		0.207	0.00704	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
n-Propylbenzene	ND		0.207	0.00787	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,1,2,2-Tetrachloroethane	ND		0.0207	0.0110	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Bromobenzene	ND		0.207	0.0128	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,3,5-Trimethylbenzene	ND		0.207	0.00890	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
2-Chlorotoluene	ND		0.207	0.00559	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2,3-Trichloropropane	ND		0.0207	0.00807	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
4-Chlorotoluene	ND		0.207	0.00725	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
tert-Butylbenzene	ND		0.207	0.0122	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2,4-Trimethylbenzene	ND		0.207	0.00725	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
sec-Butylbenzene	ND		0.207	0.00973	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
p-Isopropyltoluene	ND		0.207	0.00890	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,3-Dichlorobenzene	ND		0.207	0.00745	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,4-Dichlorobenzene	ND		0.207	0.00973	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
n-Butylbenzene	ND		0.207	0.0118	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2-Dichlorobenzene	ND		0.207	0.00518	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2-Dibromo-3-chloropropane	ND		1.04	0.0391	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Hexachlorobutadiene	ND		0.207	0.0581	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2,4-Trichlorobenzene	ND		0.207	0.00870	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Naphthalene	ND		0.414	0.0153	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
1,2,3-Trichlorobenzene	ND		0.207	0.0176	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Xylenes (total)	0.0331	J	1.24	0.0168	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:07	1.00
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99.7			42.4 - 163			10/18/13 09:07	10/18/13 14:07	1.00
Toluene-d8	105			45.8 - 155			10/18/13 09:07	10/18/13 14:07	1.00
4-bromofluorobenzene	102			41.5 - 162			10/18/13 09:07	10/18/13 14:07	1.00
a,a,a - Trifluorotoluene	95.5			50 - 150			10/18/13 09:07	10/18/13 14:07	1.00

Client Sample ID: RL-BH6-1013

Date Collected: 10/10/13 15:35

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-06

Matrix: Soil

Percent Solids: 85.7

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.110	0.0151	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Chloromethane	ND		0.0331	0.0138	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH6-1013

Date Collected: 10/10/13 15:35

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-06

Matrix: Soil

Percent Solids: 85.7

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.00884	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Bromomethane	ND		0.0663	0.0246	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Chloroethane	ND		0.110	0.0263	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Trichlorofluoromethane	ND		0.0331	0.0318	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1-Dichloroethene	ND		0.0331	0.00619	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Carbon disulfide	ND		0.110	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Methylene chloride	ND		0.221	0.00883	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Acetone	ND		1.10	0.0679	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
trans-1,2-Dichloroethene	ND		0.331	0.00574	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Methyl teri-butyl ether	ND		0.110	0.00320	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1-Dichloroethane	ND		0.110	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
cis-1,2-Dichloroethene	ND		0.221	0.00353	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
2,2-Dichloropropane	ND		0.110	0.00707	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Bromochloromethane	ND		0.110	0.00398	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Chloroform	ND		0.110	0.00387	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Carbon tetrachloride	ND		0.0331	0.00729	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1,1-Trichloroethane	ND		0.110	0.00608	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
2-Butanone	ND		1.10	0.0533	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1-Dichloropropene	ND		0.110	0.00442	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Benzene	ND		0.0221	0.00365	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2-Dichloroethane (EDC)	ND		0.0166	0.00453	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Trichloroethene	ND		0.0221	0.00331	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Dibromomethane	ND		0.110	0.00453	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2-Dichloropropane	ND		0.0110	0.00508	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Bromodichloromethane	ND		0.0331	0.00431	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
cis-1,3-Dichloropropene	ND		0.0221	0.00409	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Toluene	0.0243	J	0.110	0.00298	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
4-Methyl-2-pentanone	ND		1.10	0.0208	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
trans-1,3-Dichloropropene	ND		0.0221	0.00376	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Tetrachloroethene	ND		0.0221	0.00707	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1,2-Trichloroethane	ND		0.0110	0.00475	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Dibromochloromethane	ND		0.0331	0.0138	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,3-Dichloropropane	ND		0.0221	0.0138	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2-Dibromoethane	ND		0.00552	0.00287	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
2-Hexanone	ND		1.10	0.0289	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Ethylbenzene	ND		0.110	0.00265	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Chlorobenzene	ND		0.110	0.00278	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1,1,2-Tetrachloroethane	ND		0.110	0.00585	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
m,p-Xylene	0.0138	J	0.442	0.00652	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
o-Xylene	ND		0.221	0.00243	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Styrene	ND		0.110	0.00288	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Bromoform	ND		0.110	0.0138	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Isopropylbenzene	ND		0.110	0.00376	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
n-Propylbenzene	ND		0.110	0.00420	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,1,2,2-Tetrachloroethane	ND		0.0110	0.00585	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Bromobenzene	ND		0.110	0.00685	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,3,5-Trimethylbenzene	ND		0.110	0.00475	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
2-Chlorotoluene	ND		0.110	0.00288	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2,3-Trichloropropane	ND		0.0110	0.00431	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH6-1013

Date Collected: 10/10/13 15:35

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-06

Matrix: Soil

Percent Solids: 85.7

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		0.110	0.00387	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
tert-Butylbenzene	ND		0.110	0.00652	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2,4-Trimethylbenzene	ND		0.110	0.00387	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
sec-Butylbenzene	ND		0.110	0.00518	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
p-Isopropyltoluene	ND		0.110	0.00475	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,3-Dichlorobenzene	ND		0.110	0.00398	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,4-Dichlorobenzene	ND		0.110	0.00519	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
n-Butylbenzene	ND		0.110	0.00630	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2-Dichlorobenzene	ND		0.110	0.00278	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2-Dibromo-3-chloropropane	ND		0.552	0.0209	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Hexachlorobutadiene	ND		0.110	0.0289	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2,4-Trichlorobenzene	ND		0.110	0.00464	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Naphthalene	ND		0.221	0.00817	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
1,2,3-Trichlorobenzene	ND		0.110	0.00939	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Xylenes (total)	0.0138	J	0.863	0.00895	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		42.4 - 163			<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
Toluene-d8	105		45.8 - 155			<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
4-bromo-4-fluorobenzene	103		41.5 - 162			<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00
a,a,a - Trifluorotoluene	95.9		50 - 150			<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:27	1.00

Client Sample ID: RL-BH7-1013

Date Collected: 10/10/13 15:45

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-07

Matrix: Soil

Percent Solids: 92.4

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.0942	0.0129	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Chloromethane	ND		0.0283	0.0118	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Vinyl chloride	ND		0.00753	0.00461	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Bromomethane	ND		0.0565	0.0210	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Chloroethane	ND		0.0942	0.0224	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Trichlorofluoromethane	ND		0.0283	0.0271	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1-Dichloroethene	ND		0.0283	0.00527	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Carbon disulfide	ND		0.0942	0.00461	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Methylene chloride	ND		0.188	0.00838	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Acetone	ND		0.942	0.0579	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
trans-1,2-Dichloroethene	ND		0.283	0.00480	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Methyl tert-butyl ether	ND		0.0942	0.00273	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1-Dichloroethane	ND		0.0942	0.00461	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
cis-1,2-Dichloroethene	ND		0.188	0.00301	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
2,2-Dichloropropane	ND		0.0942	0.00603	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Bromochloromethane	ND		0.0942	0.00339	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Chloroform	ND		0.0942	0.00330	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Carbon tetrachloride	ND		0.0283	0.00822	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1,1-Trichloroethane	ND		0.0842	0.00518	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
2-Butanone	ND		0.942	0.0455	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1-Dichloropropene	ND		0.0942	0.00377	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Benzene	ND		0.0188	0.00311	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH7-1013

Date Collected: 10/10/13 15:45

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-07

Matrix: Soil

Percent Solids: 92.4

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane (EDC)	ND		0.0141	0.00386	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Trichloroethene	ND		0.0188	0.00283	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Dibromomethane	ND		0.0842	0.00386	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2-Dichloropropane	ND		0.00942	0.00433	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Bromodichloromethane	ND		0.0283	0.00367	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
cis-1,3-Dichloropropene	ND		0.0188	0.00348	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Toluene	0.00565	J	0.0942	0.00254	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
4-Methyl-2-pentanone	ND		0.942	0.0177	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
trans-1,3-Dichloropropene	ND		0.0188	0.00320	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Tetrachloroethene	ND		0.0188	0.00603	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1,2-Trichloroethane	ND		0.00942	0.00405	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Dibromochloromethane	ND		0.0283	0.0118	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,3-Dichloropropane	ND		0.0188	0.0118	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2-Dibromoethane	ND		0.00471	0.00245	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
2-Hexanone	ND		0.942	0.0247	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Ethylbenzene	ND		0.0942	0.00228	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Chlorobenzene	ND		0.0942	0.00235	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1,1,2-Tetrachloroethane	ND		0.0942	0.00499	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
m,p-Xylene	ND		0.377	0.00558	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
o-Xylene	ND		0.188	0.00207	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Styrene	ND		0.0942	0.00254	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Bromoform	ND		0.0942	0.0118	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Isopropylbenzene	ND		0.0942	0.00320	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
n-Propylbenzene	ND		0.0942	0.00358	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,1,2,2-Tetrachloroethane	ND		0.00942	0.00499	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Bromobenzene	ND		0.0942	0.00584	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,3,5-Trimethylbenzene	ND		0.0942	0.00405	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
2-Chlorotoluene	ND		0.0942	0.00254	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2,3-Trichloropropane	ND		0.00942	0.00367	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
4-Chlorotoluene	ND		0.0942	0.00330	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
tert-Butylbenzene	ND		0.0942	0.00558	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2,4-Trimethylbenzene	ND		0.0942	0.00330	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
sec-Butylbenzene	ND		0.0942	0.00443	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
p-Isopropyltoluene	ND		0.0942	0.00405	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,3-Dichlorobenzene	ND		0.0942	0.00339	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,4-Dichlorobenzene	ND		0.0942	0.00443	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
n-Butylbenzene	ND		0.0942	0.00537	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2-Dichlorobenzene	ND		0.0942	0.00235	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2-Dibromo-3-chloropropane	ND		0.471	0.0178	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Hexachlorobutadiene	ND		0.0942	0.0255	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2,4-Trichlorobenzene	ND		0.0942	0.00398	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Naphthalene	ND		0.188	0.00897	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
1,2,3-Trichlorobenzene	ND		0.0942	0.00800	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Xylenes (total)	ND		0.565	0.00763	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 14:46	1.00
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Dibromofluoromethane	99.6		42.4 - 163			10/18/13 09:07	10/18/13 14:46	1.00	
Toluene-d8	104		45.8 - 155			10/18/13 09:07	10/18/13 14:46	1.00	
4-bromofluorobenzene	102		41.5 - 162			10/18/13 09:07	10/18/13 14:46	1.00	
a,a,a - Trifluorotoluene	110		50 - 150			10/18/13 09:07	10/18/13 14:46	1.00	

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH8-1013

Date Collected: 10/10/13 15:55

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-08

Matrix: Soil

Percent Solids: 83.9

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Dichlorodifluoromethane	ND		0.135	0.0185	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Chloromethane	ND		0.0406	0.0169	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Vinyl chloride	ND		0.0108	0.00663	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Bromomethane	ND		0.0812	0.0302	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Chloroethane	ND		0.135	0.0322	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Trichlorofluoromethane	ND		0.0406	0.0390	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1-Dichloroethene	ND		0.0406	0.00758	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Carbon disulfide	ND		0.135	0.00663	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Methylene chloride	ND		0.271	0.0120	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Acetone	ND		1.35	0.0832	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
trans-1,2-Dichloroethene	ND		0.406	0.00704	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Methyl tert-butyl ether	ND		0.135	0.00393	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1-Dichloroethane	ND		0.135	0.00663	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
cis-1,2-Dichloroethene	ND		0.271	0.00433	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
2,2-Dichloropropane	ND		0.135	0.00866	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Bromochloromethane	ND		0.135	0.00487	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Chloroform	ND		0.135	0.00474	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Carbon tetrachloride	ND		0.0406	0.00893	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1,1-Trichloroethane	ND		0.135	0.00744	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
2-Butanone	ND		1.35	0.0654	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1-Dichloropropene	ND		0.135	0.00541	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Benzene	ND		0.0271	0.00447	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,2-Dichloroethane (EDC)	ND		0.0203	0.00555	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Trichloroethene	ND		0.0271	0.00408	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Dibromomethane	ND		0.135	0.00555	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,2-Dichloropropane	ND		0.0135	0.00823	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Bromodichloromethane	ND		0.0406	0.00528	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
cis-1,3-Dichloropropene	ND		0.0271	0.00501	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Toluene	0.0260	J	0.135	0.00365	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
4-Methyl-2-pentanone	ND		1.35	0.0254	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
trans-1,3-Dichloropropene	ND		0.0271	0.00460	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Tetrachloroethene	ND		0.0271	0.00866	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1,2-Trichloroethane	ND		0.0135	0.00582	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Dibromochloromethane	ND		0.0406	0.0169	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,3-Dichloropropane	ND		0.0271	0.0169	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,2-Dibromoethane	ND		0.00877	0.00352	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
2-Hexanone	ND		1.35	0.0355	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Ethylbenzene	ND		0.135	0.00325	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Chlorobenzene	ND		0.135	0.00338	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1,1,2-Tetrachloroethane	ND		0.135	0.00717	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
m,p-Xylene	0.0129	J	0.541	0.00799	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
o-Xylene	ND		0.271	0.00298	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Styrene	ND		0.135	0.00365	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Bromoform	ND		0.135	0.0169	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Isopropylbenzene	ND		0.135	0.00460	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
n-Propylbenzene	ND		0.135	0.00514	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,1,2,2-Tetrachloroethane	ND		0.0135	0.00717	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
Bromobenzene	ND		0.135	0.00839	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00
1,3,5-Trimethylbenzene	ND		0.135	0.00582	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:06	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH8-1013

Date Collected: 10/10/13 15:55

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-08

Matrix: Soil

Percent Solids: 83.9

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.135	0.00365	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2,3-Trichloropropene	ND		0.0135	0.00528	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
4-Chlorotoluene	ND		0.135	0.00474	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
tert-Butylbenzene	ND		0.135	0.00799	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2,4-Trimethylbenzene	ND		0.135	0.00474	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
sec-Butylbenzene	ND		0.135	0.00636	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
p-Isopropyltoluene	ND		0.135	0.00582	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,3-Dichlorobenzene	ND		0.135	0.00487	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,4-Dichlorobenzene	ND		0.135	0.00638	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
n-Butylbenzene	ND		0.135	0.00772	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2-Dichlorobenzene	ND		0.135	0.00338	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2-Dibromo-3-chloropropane	ND		0.877	0.0256	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
Hexachlorobutadiene	ND		0.135	0.0367	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2,4-Trichlorobenzene	ND		0.135	0.00589	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
Naphthalene	ND		0.271	0.0100	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
1,2,3-Trichlorobenzene	ND		0.135	0.0115	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00
Xylenes (total)	0.0129	J	0.812	0.0110	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:08	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99.1		42.4 - 163	10/18/13 09:07	10/18/13 15:06	1.00
Toluene-d8	106		45.8 - 155	10/18/13 09:07	10/18/13 15:06	1.00
4-bromofluorobenzene	101		41.5 - 162	10/18/13 09:07	10/18/13 15:06	1.00
a,a,a - Trifluorotoluene	106		50 - 150	10/18/13 09:07	10/18/13 15:06	1.00

Client Sample ID: RL-BH9-1013

Date Collected: 10/10/13 16:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-09

Matrix: Soil

Percent Solids: 86.6

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.110	0.0150	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Chloromethane	ND		0.0329	0.0137	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Vinyl chloride	ND		0.00877	0.00537	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Bromomethane	ND		0.0658	0.0245	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Chloroethane	ND		0.110	0.0261	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Trichlorodifluoromethane	ND		0.0329	0.0316	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
1,1-Dichloroethene	ND		0.0329	0.00814	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Carbon disulfide	ND		0.110	0.00537	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Methylene chloride	ND		0.219	0.00978	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Acetone	ND		1.10	0.0674	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
trans-1,2-Dichloroethene	ND		0.329	0.00570	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Methyl tert-butyl ether	ND		0.110	0.00318	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
1,1-Dichloroethane	ND		0.110	0.00537	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
cis-1,2-Dichloroethene	ND		0.219	0.00351	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
2,2-Dichloropropane	ND		0.110	0.00702	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Bromochloromethane	ND		0.110	0.00395	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Chloroform	ND		0.110	0.00384	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
Carbon tetrachloride	ND		0.0329	0.00724	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
1,1,1-Trichloroethane	ND		0.110	0.00603	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00
2-Butanone	ND		1.10	0.0530	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:28	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
 Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH9-1013

Date Collected: 10/10/13 16:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-09

Matrix: Soil

Percent Solids: 86.6

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.110	0.00439	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Benzene	ND		0.0219	0.00362	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2-Dichloroethane (EDC)	ND		0.0184	0.00450	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Trichloroethene	ND		0.0219	0.00329	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Dibromomethane	ND		0.110	0.00450	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2-Dichloropropane	ND		0.0110	0.00504	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Bromodichloromethane	ND		0.0329	0.00428	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
cis-1,3-Dichloropropene	ND		0.0219	0.00408	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Toluene	0.0214 J		0.110	0.00296	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
4-Methyl-2-pentanone	ND		1.10	0.0206	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
trans-1,3-Dichloropropene	ND		0.0219	0.00373	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Tetrachloroethene	ND		0.0219	0.00702	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,1,2-Trichloroethane	ND		0.0110	0.00472	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Dibromochloromethane	ND		0.0329	0.0137	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,3-Dichloropropane	ND		0.0219	0.0137	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2-Dibromoethane	ND		0.00548	0.00285	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
2-Hexanone	ND		1.10	0.0287	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Ethylbenzene	ND		0.110	0.00263	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Chlorobenzene	ND		0.110	0.00274	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,1,2-Tetrachloroethane	ND		0.110	0.00581	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
m,p-Xylene	0.0137 J		0.439	0.00847	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
o-Xylene	ND		0.219	0.00241	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Styrene	ND		0.110	0.00298	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Bromoform	ND		0.110	0.0137	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Isopropylbenzene	ND		0.110	0.00373	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
n-Propylbenzene	ND		0.110	0.00417	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,1,2,2-Tetrachloroethane	ND		0.0110	0.00581	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Bromobenzene	ND		0.110	0.00680	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,3,5-Trimethylbenzene	ND		0.110	0.00472	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
2-Chlorotoluene	ND		0.110	0.00298	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2,3-Trichloropropane	ND		0.0110	0.00428	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
4-Chlorotoluene	ND		0.110	0.00384	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
tert-Butylbenzene	ND		0.110	0.00847	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2,4-Trimethylbenzene	ND		0.110	0.00384	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
sec-Butylbenzene	ND		0.110	0.00515	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
p-Isopropyltoluene	ND		0.110	0.00472	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,3-Dichlorobenzene	ND		0.110	0.00395	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,4-Dichlorobenzene	ND		0.110	0.00515	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
n-Butylbenzene	ND		0.110	0.00825	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2-Dichlorobenzene	ND		0.110	0.00274	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2-Dibromo-3-chloropropane	ND		0.548	0.0207	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Hexachlorobutadiene	ND		0.110	0.0297	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2,4-Trichlorobenzene	ND		0.110	0.00461	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Naphthalene	ND		0.219	0.00811	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
1,2,3-Trichlorobenzene	ND		0.110	0.00832	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Xylenes (total)	0.0137 J		0.658	0.00888	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:26	1.00
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
Dibromofluoromethane	102			42.4 - 163			10/18/13 09:07	10/18/13 15:26	1.00
Toluene-d8	105			45.8 - 155			10/18/13 09:07	10/18/13 15:26	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH9-1013

Date Collected: 10/10/13 16:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-09

Matrix: Soil

Percent Solids: 86.6

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-bromofluorobenzene	101		41.5 - 162	10/18/13 09:07	10/18/13 15:26	1.00
a,a,a - Trifluorotoluene	104		50 - 150	10/18/13 09:07	10/18/13 15:26	1.00

Client Sample ID: RL-DUP-1013

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-10

Matrix: Soil

Percent Solids: 84.3

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.147	0.0201	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Chloromethane	ND		0.0441	0.0184	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Vinyl chloride	ND		0.0118	0.00721	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Bromomethane	ND		0.0882	0.0328	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Chloroethane	ND		0.147	0.0350	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Trichlorofluoromethane	ND		0.0441	0.0424	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1-Dichloroethene	ND		0.0441	0.00824	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Carbon disulfide	ND		0.147	0.00721	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Methylene chloride	ND		0.294	0.0131	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Acetone	ND		1.47	0.0904	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
trans-1,2-Dichloroethene	ND		0.441	0.00765	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Methyl tert-butyl ether	ND		0.147	0.00426	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1-Dichloroethane	ND		0.147	0.00721	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
cis-1,2-Dichloroethene	ND		0.294	0.00471	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
2,2-Dichloropropane	ND		0.147	0.00941	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Bromochloromethane	ND		0.147	0.00529	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Chloroform	ND		0.147	0.00515	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Carbon tetrachloride	ND		0.0441	0.00971	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1,1-Trichloroethane	ND		0.147	0.00809	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
2-Butanone	ND		1.47	0.0710	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1-Dichloropropene	ND		0.147	0.00588	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Benzene	ND		0.0294	0.00485	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2-Dichloroethane (EDC)	ND		0.0221	0.00803	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Trichloroethene	ND		0.0294	0.00441	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Dibromomethane	ND		0.147	0.00603	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2-Dichloropropane	ND		0.0147	0.00678	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Bromodichloromethane	ND		0.0441	0.00574	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
cis-1,3-Dichloropropene	ND		0.0294	0.00544	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Toluene	0.0206 J		0.147	0.00387	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
4-Methyl-2-pentanone	ND		1.47	0.0278	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
trans-1,3-Dichloropropene	ND		0.0294	0.00500	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Tetrachloroethene	ND		0.0294	0.00941	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1,2-Trichloroethane	ND		0.0147	0.00632	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Dibromochloromethane	ND		0.0441	0.0184	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,3-Dichloropropane	ND		0.0294	0.0184	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2-Dibromoethane	ND		0.00735	0.00382	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
2-Hexanone	ND		1.47	0.0385	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Ethylbenzene	ND		0.147	0.00353	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Chlorobenzene	ND		0.147	0.00368	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1,1,2-Tetrachloroethane	ND		0.147	0.00778	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-DUP-1013

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-10

Matrix: Soil

Percent Solids: 84.3

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	0.0125	J	0.588	0.00868	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
o-Xylene	ND		0.294	0.00324	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Styrene	ND		0.147	0.00397	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Bromoform	ND		0.147	0.0184	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Isopropylbenzene	ND		0.147	0.00500	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
n-Propylbenzene	ND		0.147	0.00559	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,1,2,2-Tetrachloroethane	ND		0.0147	0.00779	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Bromobenzene	ND		0.147	0.00912	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,3,5-Trimethylbenzene	ND		0.147	0.00632	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
2-Chlorotoluene	ND		0.147	0.00397	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2,3-Trichloropropane	ND		0.0147	0.00574	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
4-Chlorotoluene	ND		0.147	0.00515	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
tert-Butylbenzene	ND		0.147	0.00868	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2,4-Trimethylbenzene	ND		0.147	0.00515	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
sec-Butylbenzene	ND		0.147	0.00691	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
p-Isopropyltoluene	ND		0.147	0.00632	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,3-Dichlorobenzene	ND		0.147	0.00529	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,4-Dichlorobenzene	ND		0.147	0.00691	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
n-Butylbenzene	ND		0.147	0.00838	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2-Dichlorobenzene	ND		0.147	0.00368	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2-Dibromo-3-chloropropane	ND		0.735	0.0278	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Hexachlorobutadiene	ND		0.147	0.0399	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2,4-Trichlorobenzene	ND		0.147	0.00618	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Naphthalene	ND		0.294	0.0109	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
1,2,3-Trichlorobenzene	ND		0.147	0.0125	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00
Xylenes (total)	0.0126	J	0.882	0.0119	mg/kg dry	<input type="checkbox"/>	10/18/13 09:07	10/18/13 15:46	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		42.4 - 163	10/18/13 09:07	10/18/13 15:46	1.00
Toluene-d8	104		45.8 - 155	10/18/13 09:07	10/18/13 15:46	1.00
4-bromofluorobenzene	100		41.5 - 162	10/18/13 09:07	10/18/13 15:46	1.00
a,a,a - Trifluorotoluene	106		50 - 150	10/18/13 09:07	10/18/13 15:46	1.00

Client Sample ID: TripBlank

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-11

Matrix: Soil

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.100	0.0137	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Chloromethane	ND		0.0300	0.0125	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Vinyl chloride	ND		0.00800	0.00490	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Bromomethane	ND		0.0600	0.0223	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Chloroethane	ND		0.100	0.0238	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Trichlorofluoromethane	ND		0.0300	0.0288	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
1,1-Dichloroethene	ND		0.0300	0.00560	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Carbon disulfide	ND		0.100	0.00490	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Methylene chloride	ND		0.200	0.00890	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
Acetone	ND		1.00	0.0615	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00
trans-1,2-Dichloroethene	ND		0.300	0.00520	mg/kg wet	<input type="checkbox"/>	10/18/13 09:07	10/18/13 18:06	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: TripBlank

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 16:40

Lab Sample ID: AWJ0044-11

Matrix: Soil

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.100	0.00280	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1-Dichloroethane	ND		0.100	0.00490	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
cis-1,2-Dichloroethylene	ND		0.200	0.00320	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
2,2-Dichloropropane	ND		0.100	0.00840	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Bromochloromethane	ND		0.100	0.00360	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Chloroform	ND		0.100	0.00350	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Carbon tetrachloride	ND		0.0300	0.00660	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1,1-Trichloroethane	ND		0.100	0.00550	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
2-Butanone	ND		1.00	0.0483	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1-Dichloropropene	ND		0.100	0.00400	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Benzene	0.0180	J	0.0200	0.00330	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2-Dichloroethane (EDC)	ND		0.0150	0.00410	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Trichloroethylene	ND		0.0200	0.00300	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Dibromomethane	ND		0.100	0.00410	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2-Dichloropropane	ND		0.0100	0.00460	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Bromodichloromethane	ND		0.0300	0.00390	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
cis-1,3-Dichloropropene	ND		0.0200	0.00370	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Toluene	0.161		0.100	0.00270	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
4-Methyl-2-pantanone	ND		1.00	0.0168	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
trans-1,3-Dichloropropene	ND		0.0200	0.00340	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Tetrachloroethylene	ND		0.0200	0.00840	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1,2-Trichloroethane	ND		0.0100	0.00430	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Dibromochloromethane	ND		0.0300	0.0125	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,3-Dichloropropane	ND		0.0200	0.0125	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2-Dibromoethane	ND		0.00500	0.00260	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
2-Hexanone	ND		1.00	0.0262	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Ethylbenzene	0.0165	J	0.100	0.00240	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Chlorobenzene	ND		0.100	0.00250	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1,1,2-Tetrachloroethane	ND		0.100	0.00530	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
m,p-Xylene	0.0695	J	0.400	0.00590	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
o-Xylene	0.0175	J	0.200	0.00220	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Styrene	ND		0.100	0.00270	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Bromoform	ND		0.100	0.0125	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Isopropylbenzene	0.0276	J	0.100	0.00340	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
n-Propylbenzene	ND		0.100	0.00380	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,1,2,2-Tetrachloroethane	ND		0.0100	0.00530	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
Bromobenzene	ND		0.100	0.00620	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,3,5-Trimethylbenzene	ND		0.100	0.00430	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
2-Chlorotoluene	ND		0.100	0.00270	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2,3-Trichloropropene	ND		0.0100	0.00390	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
4-Chlorotoluene	ND		0.100	0.00350	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
tert-Butylbenzene	ND		0.100	0.00590	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2,4-Trimethylbenzene	ND		0.100	0.00350	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
sec-Butylbenzene	ND		0.100	0.00470	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
p-Isopropyltoluene	ND		0.100	0.00430	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,3-Dichlorobenzene	ND		0.100	0.00380	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,4-Dichlorobenzene	ND		0.100	0.00470	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
n-Butylbenzene	ND		0.100	0.00570	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00
1,2-Dichlorobenzene	ND		0.100	0.00250	mg/kg wet		10/18/13 09:07	10/18/13 16:08	1.00

TestAmerica Anchorage

Client Sample Results

Client: Alaska Resources & Environmental Services
 Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: TripBlank

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-11

Matrix: Soil

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-chloropropane	ND		0.500	0.0189	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
Hexachlorobutadiene	ND		0.100	0.0271	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
1,2,4-Trichlorobenzene	ND		0.100	0.00420	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
Naphthalene	ND		0.200	0.00740	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
1,2,3-Trichlorobenzene	ND		0.100	0.00850	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
Xylenes (total)	0.0770	J	0.600	0.00810	mg/kg wet		10/18/13 09:07	10/18/13 16:06	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		42.4 - 163				10/18/13 09:07	10/18/13 16:06	1.00
Toluene-d8	106		45.8 - 155				10/18/13 09:07	10/18/13 16:06	1.00
4-bromofluorobenzene	102		41.5 - 162				10/18/13 09:07	10/18/13 16:06	1.00
a,a,a - Trifluorotoluene	81.9		50 - 150				10/18/13 09:07	10/18/13 16:06	1.00

TestAmerica Anchorage

Surrogate Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DBFM (42.4-163)	Toluene-d8 (45.8-155)	BFB (41.5-162)	Trifluorotc (60-150)
13J0129-BLK1	Method Blank	98.9	103	104	90.0
AWJ0044-01	RL-BH1-1013	101	100	103	96.3
AWJ0044-02	RL-BH2-1013	101	102	100	93.5
AWJ0044-03	RL-BH3-1013	99.4	104	104	112
AWJ0044-04	RL-BH4-1013	101	105	103	108
AWJ0044-05	RL-BH5-1013	99.7	105	102	95.5
AWJ0044-06	RL-BH6-1013	101	105	103	95.9
AWJ0044-07	RL-BH7-1013	99.6	104	102	110
AWJ0044-08	RL-BH8-1013	99.1	106	101	106
AWJ0044-09	RL-BH9-1013	102	105	101	104
AWJ0044-10	RL-DUP-1013	100	104	100	106
AWJ0044-11	TripBlank	100	106	102	81.9

Surrogate Legend

DBFM = Dibromofluoromethane

Toluene-d8 = Toluene-d8

BFB = 4-bromo fluorobenzene

a,a,a - Trifluorotoluene = a,a,a - Trifluorotoluene

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DBFM (42.4-163)	Toluene-d8 (45.8-155)	BFB (41.5-162)	Trifluorotc (60-120)
13J0129-BS2	Lab Control Sample	104	100	101	106
13J0129-BSD2	Lab Control Sample Dup	101	103	103	107

Surrogate Legend

DBFM = Dibromo fluromethane

Toluene-d8 = Toluene-d8

BFB = 4-bromo fluorobenzene

a,a,a - Trifluorotoluene = a,a,a - Trifluorotoluene

TestAmerica Anchorage

QC Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C

Lab Sample ID: 13J0129-BLK1

Matrix: Soil

Analysis Batch: 13J0129

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 13J0129_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	ND		0.100	0.0137	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Chloromethane	ND		0.0300	0.0125	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Vinyl chloride	ND		0.00800	0.00490	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Bromomethane	ND		0.0600	0.0223	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Chloroethane	ND		0.100	0.0238	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Trichlorofluoromethane	ND		0.0300	0.0288	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1-Dichloroethene	ND		0.0300	0.00560	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Carbon disulfide	ND		0.100	0.00490	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Methylene chloride	ND		0.200	0.00890	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Acetone	ND		1.00	0.0615	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
trans-1,2-Dichloroethene	ND		0.300	0.00520	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Methyl tert-butyl ether	ND		0.100	0.00290	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1-Dichloroethane	ND		0.100	0.00490	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
cis-1,2-Dichloroethene	ND		0.200	0.00320	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
2,2-Dichloropropane	ND		0.100	0.00640	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Bromochloromethane	ND		0.100	0.00360	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Chloroform	ND		0.100	0.00350	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Carbon tetrachloride	ND		0.0300	0.00660	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1,1-Trichloroethane	ND		0.100	0.00550	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
2-Butanone	ND		1.00	0.0483	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1-Dichloropropene	ND		0.100	0.00400	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Benzene	ND		0.0200	0.00330	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,2-Dichloroethane (EDC)	ND		0.0150	0.00410	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Trichloroethene	ND		0.0200	0.00300	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Dibromomethane	ND		0.100	0.00410	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,2-Dichloropropane	ND		0.0100	0.00460	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Bromodichloromethane	ND		0.0300	0.00390	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
cis-1,3-Dichloropropene	ND		0.0200	0.00370	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Toluene	0.00350	J	0.100	0.00270	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
4-Methyl-2-pentanone	ND		1.00	0.0188	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
trans-1,3-Dichloropropene	ND		0.0200	0.00340	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Tetrachloroethene	ND		0.0200	0.00840	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1,2-Trichloroethane	ND		0.0100	0.00430	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Dibromochloromethane	ND		0.0300	0.0125	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,3-Dichloropropane	ND		0.0200	0.0125	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,2-Dibromoethane	ND		0.00500	0.00260	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
2-Hexanone	ND		1.00	0.0262	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Ethylbenzene	ND		0.100	0.00240	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Chlorobenzene	ND		0.100	0.00250	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1,1,2-Tetrachloroethane	ND		0.100	0.00530	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
m,p-Xylene	ND		0.400	0.00590	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
o-Xylene	ND		0.200	0.00220	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Styrene	ND		0.100	0.00270	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Bromoform	ND		0.100	0.0125	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Isopropylbenzene	ND		0.100	0.00340	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
n-Propylbenzene	ND		0.100	0.00380	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
1,1,2,2-Tetrachloroethane	ND		0.0100	0.00530	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	
Bromobenzene	ND		0.100	0.00620	mg/kg wet	10/18/13 09:07	10/18/13 10:11	1.00	

TestAmerica Anchorage

QC Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Lab Sample ID: 13J0129-BLK1							Client Sample ID: Method Blank			
							Prep Type: Total			
							Prep Batch: 13J0129_P			
Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,3,5-Trimethylbenzene	ND		0.100	0.00430	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
2-Chlorotoluene	ND		0.100	0.00270	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2,3-Trichloropropane	ND		0.0100	0.00390	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
4-Chlorotoluene	ND		0.100	0.00350	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
tert-Butylbenzene	ND		0.100	0.00590	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2,4-Trimethylbenzene	ND		0.100	0.00350	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
sec-Butylbenzene	ND		0.100	0.00470	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
p-Isopropyltoluene	ND		0.100	0.00430	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,3-Dichlorobenzene	ND		0.100	0.00380	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,4-Dichlorobenzene	ND		0.100	0.00470	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
n-Butylbenzene	ND		0.100	0.00570	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2-Dichlorobenzene	ND		0.100	0.00250	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2-Dibromo-3-chloropropane	ND		0.500	0.0189	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
Hexachlorobutadiene	ND		0.100	0.0271	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2,4-Trichlorobenzene	ND		0.100	0.00420	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
Naphthalene	ND		0.200	0.00740	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
1,2,3-Trichlorobenzene	ND		0.100	0.00850	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
Xylenes (total)	ND		0.600	0.00810	mg/kg wet		10/18/13 09:07	10/18/13 10:11		1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Dibromofluoromethane	98.9		42.4 - 163				10/18/13 09:07	10/18/13 10:11		1.00
Toluene-d8	103		45.8 - 155				10/18/13 09:07	10/18/13 10:11		1.00
4-bromofluorobenzene	104		41.5 - 162				10/18/13 09:07	10/18/13 10:11		1.00
a,a,a - Trifluorotoluene	90.0		50 - 150				10/18/13 09:07	10/18/13 10:11		1.00

Lab Sample ID: 13J0129-BS2							Client Sample ID: Lab Control Sample			
							Prep Type: Total			
							Prep Batch: 13J0129_P			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.			
Dichlorodifluoromethane	0.500	0.582		mg/kg wet		112	60 - 140			
Chloromethane	0.500	0.649		mg/kg wet		130	60 - 140			
Vinyl chloride	0.500	0.680		mg/kg wet		132	60 - 140			
Bromomethane	0.500	0.574		mg/kg wet		115	60 - 140			
Chloroethane	0.500	0.702		mg/kg wet		140	60 - 140			
Trichlorofluoromethane	0.500	0.640		mg/kg wet		128	60 - 140			
1,1-Dichloroethene	0.500	0.656		mg/kg wet		131	76 - 187			
Carbon disulfide	0.500	0.622		mg/kg wet		124	60 - 140			
Methylene chloride	0.500	0.601		mg/kg wet		120	60 - 140			
Acetone	2.50	2.46		mg/kg wet		98.2	60 - 140			
trans-1,2-Dichloroethene	0.500	0.557		mg/kg wet		111	60 - 140			
Methyl tert-butyl ether	0.500	0.530		mg/kg wet		106	79 - 127			
1,1-Dichloroethane	0.500	0.580		mg/kg wet		116	60 - 140			
cis-1,2-Dichloroethene	0.500	0.614		mg/kg wet		123	60 - 140			
2,2-Dichloropropane	0.500	0.570		mg/kg wet		114	60 - 140			
Bromochloromethane	0.500	0.612		mg/kg wet		122	60 - 140			
Chloroform	0.500	0.582		mg/kg wet		116	60 - 140			
Carbon tetrachloride	0.500	0.582		mg/kg wet		116	60 - 140			

TestAmerica Anchorage

QC Sample Results

Client: Alaska Resources & Environmental Services
 Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Lab Sample ID: 13J0129-BS2

Matrix: Soil

Analysis Batch: 13J0129

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 13J0129_P

%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	0.500	0.598		mg/kg wet	119	60 - 140	
2-Butanone	2.50	2.40		mg/kg wet	95.9	60 - 140	
1,1-Dichloropropene	0.500	0.581		mg/kg wet	116	60 - 140	
Benzene	0.500	0.546		mg/kg wet	109	75.0 - 123	
1,2-Dichloroethane (EDC)	0.500	0.557		mg/kg wet	111	60 - 140	
Trichloroethene	0.500	0.562		mg/kg wet	112	82.7 - 120	
Dibromomethane	0.500	0.550		mg/kg wet	110	60 - 140	
1,2-Dichloropropane	0.500	0.528		mg/kg wet	105	60 - 140	
Bromodichloromethane	0.500	0.540		mg/kg wet	108	60 - 140	
cis-1,3-Dichloropropene	0.500	0.560		mg/kg wet	112	60 - 140	
Toluene	0.500	0.542		mg/kg wet	108	77.3 - 128	
4-Methyl-2-pentanone	2.50	2.43		mg/kg wet	97.1	60 - 140	
trans-1,3-Dichloropropene	0.500	0.588		mg/kg wet	118	60 - 140	
Tetrachloroethene	0.500	0.559		mg/kg wet	112	75 - 130	
1,1,2-Trichloroethane	0.500	0.554		mg/kg wet	111	60 - 140	
Dibromochloromethane	0.500	0.582		mg/kg wet	116	60 - 140	
1,3-Dichloropropane	0.500	0.544		mg/kg wet	109	60 - 140	
1,2-Dibromoethane	0.500	0.574		mg/kg wet	115	60 - 140	
2-Hexanone	2.50	2.38		mg/kg wet	95.1	60 - 140	
Ethylbenzene	0.500	0.540		mg/kg wet	108	80.7 - 120	
Chlorobenzene	0.500	0.589		mg/kg wet	114	80 - 120	
1,1,1,2-Tetrachloroethane	0.500	0.603		mg/kg wet	121	60 - 140	
m,p-Xylene	0.500	0.526		mg/kg wet	105	86.1 - 120	
o-Xylene	0.500	0.590		mg/kg wet	118	85.3 - 120	
Styrene	0.500	0.602		mg/kg wet	120	60 - 140	
Bromoform	0.500	0.598		mg/kg wet	120	60 - 140	
Isopropylbenzene	0.500	0.581		mg/kg wet	116	60 - 140	
n-Propylbenzene	0.500	0.590		mg/kg wet	118	60 - 140	
1,1,2,2-Tetrachloroethane	0.500	0.600		mg/kg wet	120	60 - 140	
Bromobenzene	0.500	0.589		mg/kg wet	114	60 - 140	
1,3,5-Trimethylbenzene	0.500	0.614		mg/kg wet	123	60 - 140	
2-Chlorotoluene	0.500	0.604		mg/kg wet	121	60 - 140	
1,2,3-Trichloropropane	0.500	0.645		mg/kg wet	129	60 - 140	
4-Chlorotoluene	0.500	0.584		mg/kg wet	119	60 - 140	
tert-Butylbenzene	0.500	0.595		mg/kg wet	119	60 - 140	
1,2,4-Trimethylbenzene	0.500	0.609		mg/kg wet	122	60 - 140	
sec-Butylbenzene	0.500	0.596		mg/kg wet	119	60 - 140	
p-Isopropyltoluene	0.500	0.614		mg/kg wet	123	60 - 140	
1,3-Dichlorobenzene	0.500	0.590		mg/kg wet	118	60 - 140	
1,4-Dichlorobenzene	0.500	0.585		mg/kg wet	117	60 - 140	
n-Butylbenzene	0.500	0.620		mg/kg wet	124	60 - 140	
1,2-Dichlorobenzene	0.500	0.599		mg/kg wet	120	60 - 140	
1,2-Dibromo-3-chloropropane	0.500	0.526		mg/kg wet	105	60 - 140	
Hexachlorobutadiene	0.500	0.537		mg/kg wet	107	60 - 140	
1,2,4-Trichlorobenzene	0.500	0.523		mg/kg wet	105	60 - 140	
Naphthalene	0.500	0.499		mg/kg wet	99.8	56.8 - 130	
1,2,3-Trichlorobenzene	0.500	0.487		mg/kg wet	97.4	60 - 140	

TestAmerica Anchorage

QC Sample Results

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Lab Sample ID: 13J0129-BS2

Matrix: Soil

Analysis Batch: 13J0129

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 13J0129_P

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
Dibromofluoromethane	104			42.4 - 163	
Toluene-d8	100			45.8 - 155	
4-bromofluorobenzene	101			41.5 - 162	
a,a,a - Trifluorotoluene	106			60 - 120	

Lab Sample ID: 13J0129-BSD2

Matrix: Soil

Analysis Batch: 13J0129

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 13J0129_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec.	Limits	RPD	Limit
Dichlorodifluoromethane	0.500	0.482		mg/kg wet	96.3	60 - 140	15.3	25	
Chloromethane	0.500	0.548		mg/kg wet	110	60 - 140	16.8	25	
Vinyl chloride	0.500	0.568		mg/kg wet	114	60 - 140	14.8	25	
Bromomethane	0.500	0.425		mg/kg wet	85.0	60 - 140	29.9	25	
Chloroethane	0.500	0.530		mg/kg wet	106	60 - 140	27.9	25	
Trichlorodifluoromethane	0.500	0.514		mg/kg wet	103	60 - 140	21.8	25	
1,1-Dichloroethene	0.500	0.571		mg/kg wet	114	76 - 167	13.9	25	
Carbon disulfide	0.500	0.530		mg/kg wet	106	60 - 140	15.9	25	
Methylene chloride	0.500	0.552		mg/kg wet	110	60 - 140	8.41	25	
Acetone	2.50	2.59		mg/kg wet	104	60 - 140	5.43	25	
trans-1,2-Dichloroethene	0.500	0.496		mg/kg wet	99.2	60 - 140	11.6	25	
Methyl tert-butyl ether	0.500	0.498		mg/kg wet	99.5	78 - 127	6.33	25	
1,1-Dichloroethane	0.500	0.506		mg/kg wet	101	60 - 140	13.4	25	
cis-1,2-Dichloroethene	0.500	0.548		mg/kg wet	110	60 - 140	11.4	25	
2,2-Dichloropropane	0.500	0.494		mg/kg wet	98.9	60 - 140	14.1	25	
Bromochloromethane	0.500	0.552		mg/kg wet	110	60 - 140	10.2	25	
Chloroform	0.500	0.496		mg/kg wet	99.2	60 - 140	15.9	25	
Carbon tetrachloride	0.500	0.516		mg/kg wet	103	60 - 140	12.0	25	
1,1,1-Trichloroethane	0.500	0.526		mg/kg wet	105	60 - 140	12.8	25	
2-Butanone	2.50	2.97		mg/kg wet	119	60 - 140	21.4	25	
1,1-Dichloropropene	0.500	0.514		mg/kg wet	103	60 - 140	12.1	25	
Benzene	0.500	0.503		mg/kg wet	101	75.9 - 123	8.11	25	
1,2-Dichloroethane (EDC)	0.500	0.505		mg/kg wet	101	60 - 140	9.79	25	
Trichloroethene	0.500	0.486		mg/kg wet	97.1	82.7 - 120	14.6	25	
Dibromomethane	0.500	0.513		mg/kg wet	103	60 - 140	8.98	25	
1,2-Dichloropropane	0.500	0.482		mg/kg wet	96.5	60 - 140	8.72	25	
Bromodichloromethane	0.500	0.488		mg/kg wet	97.8	60 - 140	10.0	25	
cis-1,3-Dichloropropene	0.500	0.524		mg/kg wet	105	60 - 140	6.74	25	
Toluene	0.500	0.510		mg/kg wet	102	77.3 - 126	5.99	25	
4-Methyl-2-pentanone	2.50	2.41		mg/kg wet	96.2	60 - 140	0.931	25	
trans-1,3-Dichloropropene	0.500	0.567		mg/kg wet	113	60 - 140	3.55	25	
Tetrachloroethene	0.500	0.514		mg/kg wet	103	75 - 130	8.39	25	
1,1,2-Trichloroethane	0.500	0.544		mg/kg wet	109	60 - 140	1.82	25	
Dibromochloromethane	0.500	0.562		mg/kg wet	112	60 - 140	3.41	25	
1,3-Dichloropropane	0.500	0.527		mg/kg wet	105	60 - 140	3.17	25	
1,2-Dibromoethane	0.500	0.560		mg/kg wet	112	60 - 140	2.47	25	
2-Hexanone	2.50	2.44		mg/kg wet	97.7	60 - 140	2.74	25	
Ethylbenzene	0.500	0.496		mg/kg wet	99.2	80.7 - 120	8.59	25	

TestAmerica Anchorage

QC Sample Results

Client: Alaska Resources & Environmental Services
 Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method: EPA 8260C - Volatile Organic Compounds by EPA Method 8260C (Continued)

Lab Sample ID: 13J0129-BSD2

Matrix: Soil

Analysis Batch: 13J0129

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 13J0129_P

%Rec.

RPD

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chlorobenzene	0.500	0.514		mg/kg wet	103	80 - 120	10.1	25	
1,1,1,2-Tetrachloroethane	0.500	0.548		mg/kg wet	110	80 - 140	9.65	25	
m,p-Xylene	0.500	0.487		mg/kg wet	97.4	86.1 - 120	7.70	25	
o-Xylene	0.500	0.531		mg/kg wet	106	85.3 - 120	10.5	25	
Styrene	0.500	0.554		mg/kg wet	111	80 - 140	8.13	25	
Bromoform	0.500	0.540		mg/kg wet	108	80 - 140	10.2	25	
Isopropylbenzene	0.500	0.522		mg/kg wet	104	80 - 140	10.7	25	
n-Propylbenzene	0.500	0.546		mg/kg wet	109	80 - 140	7.83	25	
1,1,2,2-Tetrachloroethane	0.500	0.588		mg/kg wet	114	80 - 140	5.57	25	
Bromobenzene	0.500	0.530		mg/kg wet	106	80 - 140	7.10	25	
1,3,5-Trimethylbenzene	0.500	0.578		mg/kg wet	116	80 - 140	6.13	25	
2-Chlorotoluene	0.500	0.558		mg/kg wet	112	80 - 140	7.83	25	
1,2,3-Trichloropropane	0.500	0.629		mg/kg wet	126	80 - 140	2.51	25	
4-Chlorotoluene	0.500	0.549		mg/kg wet	110	80 - 140	7.79	25	
tert-Butylbenzene	0.500	0.550		mg/kg wet	110	80 - 140	7.86	25	
1,2,4-Trimethylbenzene	0.500	0.565		mg/kg wet	113	80 - 140	7.50	25	
sec-Butylbenzene	0.500	0.546		mg/kg wet	109	80 - 140	8.93	25	
p-Isopropyltoluene	0.500	0.574		mg/kg wet	115	80 - 140	6.74	25	
1,3-Dichlorobenzene	0.500	0.582		mg/kg wet	112	80 - 140	4.78	25	
1,4-Dichlorobenzene	0.500	0.536		mg/kg wet	107	80 - 140	8.74	25	
n-Butylbenzene	0.500	0.578		mg/kg wet	115	80 - 140	7.38	25	
1,2-Dichlorobenzene	0.500	0.550		mg/kg wet	110	80 - 140	8.44	25	
1,2-Dibromo-3-chloropropane	0.500	0.521		mg/kg wet	104	80 - 140	1.05	25	
Hexachlorobutadiene	0.500	0.550		mg/kg wet	110	80 - 140	2.48	25	
1,2,4-Trichlorobenzene	0.500	0.510		mg/kg wet	102	80 - 140	2.42	25	
Naphthalene	0.500	0.493		mg/kg wet	98.6	58.8 - 130	1.21	25	
1,2,3-Trichlorobenzene	0.500	0.464		mg/kg wet	92.7	80 - 140	4.94	25	

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Dibromoformmethane	101		42.4 - 163
Toluene-d8	103		45.8 - 155
4-bromofluorobenzene	103		41.5 - 162
a,a,a + Trifluorotoluene	107		60 - 120

TestAmerica Anchorage

QC Association Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

GCMS Volatiles

Analysis Batch: 13J0129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
13J0129-BLK1	Method Blank	Total	Soil	EPA 8260C	13J0129_P
13J0129-BS2	Lab Control Sample	Total	Soil	EPA 8260C	13J0129_P
13J0129-BSD2	Lab Control Sample Dup	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-01	RL-BH1-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-02	RL-BH2-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-03	RL-BH3-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-04	RL-BH4-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-05	RL-BH5-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-06	RL-BH6-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-07	RL-BH7-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-08	RL-BH8-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-09	RL-BH9-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-10	RL-DUP-1013	Total	Soil	EPA 8260C	13J0129_P
AWJ0044-11	TripBlank	Total	Soil	EPA 8260C	13J0129_P

Prep Batch: 13J0129_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
13J0129-BLK1	Method Blank	Total	Soil	GC/MS Volatiles	
13J0129-BS2	Lab Control Sample	Total	Soil	GC/MS Volatiles	
13J0129-BSD2	Lab Control Sample Dup	Total	Soil	GC/MS Volatiles	
AWJ0044-01	RL-BH1-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-02	RL-BH2-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-03	RL-BH3-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-04	RL-BH4-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-05	RL-BH5-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-06	RL-BH6-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-07	RL-BH7-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-08	RL-BH8-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-09	RL-BH9-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-10	RL-DUP-1013	Total	Soil	GC/MS Volatiles	
AWJ0044-11	TripBlank	Total	Soil	GC/MS Volatiles	

Wet Chem

Analysis Batch: 13K0005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
13K0005-DUP1	AWJ0044-10 (RL-Dup-1013-Soil)	Total	Soil	TA SOP	13K0005_P
AWJ0044-01	RL-BH1-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-02	RL-BH2-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-03	RL-BH3-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-04	RL-BH4-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-05	RL-BH5-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-06	RL-BH6-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-07	RL-BH7-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-08	RL-BH8-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-09	RL-BH9-1013	Total	Soil	TA SOP	13K0005_P
AWJ0044-10	RL-DUP-1013	Total	Soil	TA SOP	13K0005_P

TestAmerica Anchorage

QC Association Summary

Client: Alaska Resources & Environmental Services

Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Wet Chem (Continued)

Prep Batch: 13K0005_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
13K0005-DUP1	AWJ0044-10 (RL-Dup-1013-Soil)	Total	Soil	Wet Chem	
AWJ0044-01	RL-BH1-1013	Total	Soil	Wet Chem	
AWJ0044-02	RL-BH2-1013	Total	Soil	Wet Chem	
AWJ0044-03	RL-BH3-1013	Total	Soil	Wet Chem	
AWJ0044-04	RL-BH4-1013	Total	Soil	Wet Chem	
AWJ0044-05	RL-BH5-1013	Total	Soil	Wet Chem	
AWJ0044-06	RL-BH6-1013	Total	Soil	Wet Chem	
AWJ0044-07	RL-BH7-1013	Total	Soil	Wet Chem	
AWJ0044-08	RL-BH8-1013	Total	Soil	Wet Chem	
AWJ0044-09	RL-BH9-1013	Total	Soil	Wet Chem	
AWJ0044-10	RL-DUP-1013	Total	Soil	Wet Chem	

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Lab Chronicle

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH1-1013

Date Collected: 10/10/13 15:00
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-01

Matrix: Soil
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.28	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 12:48	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH2-1013

Date Collected: 10/10/13 15:05
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-02

Matrix: Soil
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		0.903	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 13:08	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH3-1013

Date Collected: 10/10/13 15:10
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-03

Matrix: Soil
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.09	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 13:28	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH4-1013

Date Collected: 10/10/13 15:15
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-04

Matrix: Soil
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.23	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 13:47	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH5-1013

Date Collected: 10/10/13 15:20
Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-05

Matrix: Soil
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.54	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 14:07	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK

TestAmerica Anchorage

Lab Chronicle

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-BH5-1013

Date Collected: 10/10/13 15:20

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-05

Matrix: Soil

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH6-1013

Date Collected: 10/10/13 15:35

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-06

Matrix: Soil

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		0.804	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 14:27	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH7-1013

Date Collected: 10/10/13 15:45

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-07

Matrix: Soil

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		0.794	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 14:46	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH8-1013

Date Collected: 10/10/13 15:55

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-08

Matrix: Soil

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		0.875	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 15:06	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: RL-BH9-1013

Date Collected: 10/10/13 16:05

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-09

Matrix: Soil

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		0.816	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 15:26	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

TestAmerica Anchorage

Lab Chronicle

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Client Sample ID: RL-DUP-1013

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-10

Matrix: Soil

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.08	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 15:46	CBW	TAL SPK
Total	Prep	Wet Chem		1.00	13K0005_P	10/31/13 15:15	MS	TAL SPK
Total	Analysis	TA SOP		1.00	13K0005	11/01/13 08:30	MS	TAL SPK

Client Sample ID: TripBlank

Date Collected: 10/10/13 16:15

Date Received: 10/16/13 15:40

Lab Sample ID: AWJ0044-11

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	GC/MS Volatiles		1.00	13J0129_P	10/18/13 09:07	CBW	TAL SPK
Total	Analysis	EPA 8260C		1.00	13J0129	10/18/13 16:06	CBW	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Avenue, Spokane, WA 99208, TEL (509)924-9200

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TestAmerica Anchorage

Certification Summary

Client: Alaska Resources & Environmental Services

Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Laboratory: TestAmerica Anchorage

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	AK00975	06-30-14
Alaska (UST)	State Program	10	UST-067	06-16-14

Laboratory: TestAmerica Spokane

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-14

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Method Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by EPA Method 8260C	TAL SPK	
TA SOP	Conventional Chemistry Parameters by APHA/EPA Methods	TAL SPK	

Protocol References:

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st. Avenue, Spokane, WA 99206, TEL (509)924-8200

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TestAmerica Anchorage

Sample Summary

Client: Alaska Resources & Environmental Services
Project/Site: RL1013

TestAmerica Job ID: AWJ0044

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
AWJ0044-01	RL-BH1-1013	Soil	10/10/13 15:00	10/16/13 15:40
AWJ0044-02	RL-BH2-1013	Soil	10/10/13 15:05	10/16/13 15:40
AWJ0044-03	RL-BH3-1013	Soil	10/10/13 15:10	10/16/13 15:40
AWJ0044-04	RL-BH4-1013	Soil	10/10/13 15:15	10/16/13 15:40
AWJ0044-05	RL-BH5-1013	Soil	10/10/13 15:20	10/16/13 15:40
AWJ0044-06	RL-BH6-1013	Soil	10/10/13 15:35	10/16/13 15:40
AWJ0044-07	RL-BH7-1013	Soil	10/10/13 15:45	10/16/13 15:40
AWJ0044-08	RL-BH8-1013	Soil	10/10/13 15:55	10/16/13 15:40
AWJ0044-09	RL-BH9-1013	Soil	10/10/13 16:05	10/16/13 15:40
AWJ0044-10	RL-DUP-1013	Soil	10/10/13 16:15	10/16/13 15:40
AWJ0044-11	TripBlank	Soil	10/10/13 16:15	10/16/13 15:40

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TestAmerica Anchorage



**ALASKA
RESOURCES AND
ENVIRONMENTAL
SERVICES**

ARES
P.O. Box 83050
Fairbanks, Alaska 99708
Phone: 907.374.3226
Fax: 907.374.2319

Chain of Custody Report

Client: Alaska Resources and Environmental Services		Invoice To: ARES P.O. Box 83050 Fairbanks, Alaska 99708		Laboratory Name: Test America Inc. 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119		Turnaround Request In Business Days			
Report To: Address: Email: Phone:		P.O. Number: Fax: (907) 374-3219				Organic & Inorganic Analyses			
Project Name: Project Number: Sampled By:		Raven Landing R1.1013 Dustin Stahl		Preservative N/A		Petroleum Hydrocarbon Analyses			
				Requested Analyses		Specify Other: Report Tier Level: Tier II reporting requested (results + QC)			
Sample Identification	Sampling Date/Time	VOCs EPA 8265B	BTEX EPA 821B	AK 13 DRC	AK 13 DRC	Matrix (W,S,O)	# of Com.	Location / Comments	Lab ID
RL-BH1-1013	10/10/2013 1500	X				S	2		01
RL-BH2-1013	10/10/2013 1505	X				S	2		02
RL-BH3-1013	10/10/2013 1510	X				S	2		03
RL-BH4-1013	10/10/2013 1515	X				S	2		04
RL-BH5-1013	10/10/2013 1520	X				S	2		05
RL-BH6-1013	10/10/2013 1535	X				S	2		06
RL-BH7-1013	10/10/2013 1545	X				S	2		07
RL-BH8-1013	10/10/2013 1555	X				S	2		08
RL-BH9-1013	10/10/2013 1605	X				S	2		09
RL-DUB-1013	10/10/2013 1615	X				S	2		10
TripBlank	10/10/2013 1650	X				O	1		11
Released By: <i>Dustin Stahl</i>		Date: 07/16/2013	Received By: <i>John Pines</i>		Date: 07/16/2013	Print Name: <i>Adair Pines</i>		Date: 07/16/2013	
Print Name: <i>Dustin Stahl</i>		Time: 0800	Print Name: <i>Adair Pines</i>		Time: 15:45	Firm: <i>ARES</i>		Time: 15:45	
Released By: <i>Dustin Stahl</i>		Date: 07/16/2013	Received By: <i>John Pines</i>		Date: 07/16/2013	Print Name: <i>Adair Pines</i>		Date: 07/16/2013	
Print Name: <i>Dustin Stahl</i>		Time: 0800	Print Name: <i>John Pines</i>		Time: 15:45	Firm: <i>ARES</i>		Time: 15:45	
Additional Remarks:									

cc:cc:cc:cc

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Test America Cooler Receipt Form

(Army Corps. Compliant)

WORK ORDER # AWJ0044 CLIENT: ARES PROJECT: Raven LandingDate /Time Cooler Arrived 10 / 16 / 13 15:40 Cooler signed for by: Andrew Pilch
(Print name)Preliminary Examination Phase:Date cooler opened: same as date received or / / Cooler opened by (print) Andrew Pilch (sign) Ann Pinc

1. Delivered by ALASKA AIRLINES Fed-Ex UPS NAC LYNDEN CLIENT Other:
Shipment Tracking # if applicable 027 8921 4020 (include copy of shipping papers in file)

2. Number of Custody Seals 2 Signed by see back Date / / Were custody seals unbroken and intact on arrival? Yes No3. Were custody papers sealed in a plastic bag? Yes No4. Were custody papers filled out properly (ink, signed, etc.)? Yes No5. Did you sign the custody papers in the appropriate place? Yes No6. Was ice used? Yes No Type of ice: blue ice gel ice real ice dry ice Condition of Ice: semi-hardTemperature 5.4 °C (corrected) Thermometer # Rec #57. Packing in Cooler: bubble wrap styrofoam cardboard Other:8. Did samples arrive in plastic bags? Yes No9. Did all bottles arrive unbroken, and with labels in good condition? Yes No Sample 8 and 9 septin labels were very smeared - At 10/17/1310. Are all bottle labels complete (ID, date, time, etc.) Yes No11. Do bottle labels and Chain of Custody agree? Yes No12. Are the containers and preservatives correct for the tests indicated? Yes No13. Conoco Phillips, Alyeska, BP H2O samples only, pH <2? Yes No N/A14. Is there adequate volume for the tests requested? Yes No15. Is there dry weight volume provided? Yes No15. Were VOA vials free of bubbles? N/A Yes No

If "NO" which containers contained "head space" or bubbles?

16. Are methanol soils immersed in methanol? Yes No N/ALog-in Phase:Date of sample log-in 10 / 17 / 13Samples logged in by (print) Andrew Pilch (sign) Ann Pinc

1. Was project identifiable from custody papers? Yes No
2. Do Turn Around Times and Due Dates agree? Yes No
3. Was the Project Manager notified of status? Yes No
4. Was the Lab notified of status? Yes No
5. Was the COC scanned and copied? Yes No

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-9425

Signature: Dustin Stoltz

Date: 10/14/2013

AWJ0044

CUSTODY SEAL

Date: 10/14/2013

Signature: Dustin Stoltz

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-9425

Laboratory Data Review Checklist

Completed by: Dustin Stahl
Title: Environmental Scientist Date: 12/17/2013
CS Report Name: Raven Landing Soil Investigation Report Date: December 2013
Consultant Firm: Alaska Resources and Environmental Services
Laboratory Name: Test America Laboratory Report Number: AWJ0044
ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

Yes

No

NA (Please explain.)

Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

Yes

No

NA (Please explain.)

Comments:

The data set was subcontracted to TestAmerica Spokane from TestAmerica Anchorage.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?

Yes

No

NA (Please explain.)

Comments:

- b. Correct analyses requested?

Yes

No

NA (Please explain.)

Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ}$ C)?

Yes

No

NA (Please explain.)

Comments:

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

Yes

No

NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
Yes No **NA** (Please explain.) Comments:

No adverse conditions were noted.

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
Yes No **NA** (Please explain.) Comments:

No adverse conditions were noted.

- e. Data quality or usability affected? (Please explain.) Comments:

N/A

4. Case Narrative

- a. Present and understandable?

Yes No **NA** (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

Yes **No** **NA** (Please explain.)

Comments:

- c. Were all corrective actions documented?

Yes No **NA** (Please explain.)

Comments:

There were no discrepancies, errors, or QC failures identified in the case narrative.

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

N/A

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

Yes No **NA** (Please explain.)

Comments:

- b. All applicable holding times met?

Yes No **NA** (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

Yes No NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes No NA (Please explain.)

Comments:

There are twelve analytes that have PQL's greater than the ADEC cleanup levels, but the laboratory MDL is less than cleanup levels for these twelve analytes in all samples. Two analytes 1,2-Dibromoethane and 1,2,3-Trichloropropane have MDL's and PQL's greater than ADEC cleanup levels for all samples. Vinyl chloride and methylene chloride have MDL's and PQL's greater than ADEC cleanup levels in one sample.

e. Data quality or usability affected?

Comments:

Data quality is affected. Non-detect results with elevated detection limits could possibly be above ADEC cleanup levels for the affected samples/analytes.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes No NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

Yes No NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Comments:

N/A

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

Yes No NA (Please explain.)

Comments:

All results were below the PQL.

v. Data quality or usability affected? (Please explain.)

Comments:

N/A; see above.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes No NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes No NA (Please explain.) Comments:

No metals or inorganic samples were collected or analyzed for this sampling event.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes No NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes No NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

N/A

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes No NA (Please explain.) Comments:

No samples were affected.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

N/A; see above.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

Yes No NA (Please explain.) Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

Yes No NA (Please explain.)

Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

Yes No NA (Please explain.)

Comments:

All %R were within acceptable limits.

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

N/A

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes No NA (Please explain.)

Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes No NA (Please explain.)

Comments:

The samples were shipped in a single cooler. No unique identifying marks were available on the cooler. Custody seal was intact upon receipt.

iii. All results less than PQL?

Yes No NA (Please explain.)

Comments:

Toluene was detected in the trip blank (0.151 mg/kg)

iv. If above PQL, what samples are affected?

All the samples were shipped together in the same cooler, thus all samples could be affected by cross-contamination.

Comments:

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality for toluene is affected all samples could be biased high due to possible cross-contamination. Data is usable, but sample results for toluene should be view qualitatively rather than quantitatively.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes No NA (Please explain.)

Comments:

[Large empty rectangular box for comments]

ii. Submitted blind to lab?

Yes No NA (Please explain.)

Comments:

[Large empty rectangular box for comments]

iii. Precision – All relative percent differences (RPD) less than specified DQOs?

(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \frac{\text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100}{}$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes No NA (Please explain.)

Comments:

[Large empty rectangular box for comments]

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

N/A

[Large empty rectangular box for comments]

f. Decontamination or Equipment Blank (If not used explain why).

Yes No NA (Please explain.)

Comments:

No equipment blank was required for this sampling event.

[Large empty rectangular box for comments]

i. All results less than PQL?

Yes No NA (Please explain.)

Comments:

[Large empty rectangular box for comments]

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

N/A

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes

No

NA (Please explain.)

Comments:

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