

**PHASE II SITE INVESTIGATION REPORT
FOUR PARCELS
SOUTHEAST CORNER OF EAST 35TH STREET AND LOCUST AVENUE
LONG BEACH, CALIFORNIA 90807
(ASSESSOR'S PARCEL NUMBERS
7141-004-028, -029, -030, & -031)**

Prepared for:

888-5 Partners, LLC

3545 Long Beach Boulevard
Long Beach, California 90807

Prepared by:

SCS ENGINEERS

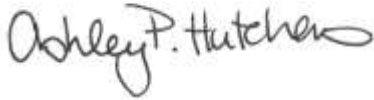
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October 25, 2017
File No. 01217033.03 T2

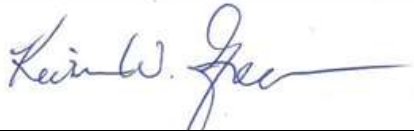
This Phase II Site Investigation Report dated October 25, 2017, for the site located at the southeast corner of the intersection of East 35th Street and Locust Avenue, Long Beach, California, was prepared, and reviewed by the following:



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DISCLAIMER

This report has been prepared for 888-5 Partners, LLC with specific application to a Phase II investigation conducted on the Property located at the southeast corner of the intersection of East 35th Street and Locust Avenue, Long Beach, California. The purpose of this investigation was to assess the potential for methane migration associated with oil operations, as well as assess impacts to soil at the Property from oil wells and appurtenant facilities on the Property.

The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS Engineers, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in site conditions may occur due to variation in rainfall, temperature, water usage, or other factors. Additional information that was not available to the consultant at the time of this investigation or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.

1 INTRODUCTION

SCS Engineers (SCS) was retained by 888-5 Partners, LLC to conduct a Phase II Site Investigation for the property located at the southeast corner of the intersection of East 35th Street and Locust Avenue in Long Beach, California. Investigation activities were conducted in accordance with SCS's proposal dated August 24, 2017 (Proposal No. 010789217). A map showing the general location of the Property and surrounding area is provided as **Figure 1**.

BACKGROUND

The Property is approximately 0.76 acres and consists of four parcels that are currently used for oil production. The Property is currently occupied by three metal structures, two oil pumpjacks surrounded with fences, four above ground storage tanks (ASTs) surrounded by a secondary containment berm, an aboveground 3-stage clarifier, electrical panel with a utility pole, water truck, and piles of spare pipes. The Property is surrounded by a fence, which is accessible through a gated entrance along East 35th Street to the north.

SCS prepared a Phase I Environmental Site Assessment (Phase I ESA) report for the Property dated September 29, 2017. As part of the Phase I ESA, SCS identified the following Recognized Environmental Conditions (RECs) associated with the Property:

- The northwest portion of the Property is currently used for oil production, and the southeast portion of the Property has historically been used for oil production. Two existing wells and two plugged and abandoned wells along with four existing ASTs and an aboveground 3-stage clarifier are present. In addition, the Property is located within the Long Beach Oil Field and numerous wells and associated ASTs are present in the vicinity. Oil production on the Property and in the vicinity represents a REC.

The purpose of this investigation was to assess the potential for methane migration associated with oil operations, as well as evaluate the potential for impacts to the Property associated with the current and historical oil operations.

2 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5-minute topographic map, the Property is located between the Vista del Mar and California Heights areas of Long Beach. It is located to the northwest of Signal Hill at an elevation of approximately 90 feet above mean sea level. The Property is situated approximately 0.85 miles east of the Los Angeles River and approximately 4 miles north of San Pedro Bay. Site topography is generally flat. Local topography slopes to the south, with a more regional slope to the southwest.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in this area consist of the Pleistocene-age Lakewood Formation, which is comprised of unconsolidated marine and continental deposits. In

the area of the Property, surface deposits are primarily fine-grained sediments comprised of sands, silts, and clays. The Lakewood Formation is underlain by at least several thousand feet of mostly marine sediments of Tertiary age. During the current investigation, soil was interpreted to range from sandy and clayey silt to fine sand down to depths of 15 feet below ground surface (bgs).

GROUNDWATER

The Property is located within the West Coast Groundwater Basin. The first regional groundwater aquifer in the area is the Gage Aquifer within the Lakewood Formation. According to information reviewed on the California State Water Resources Control Board's GeoTracker website for the Bixby Knolls Car Wash (Global ID T0603701876 at 577 East Wardlow Road), located approximately 0.25 miles to the east-southeast), first groundwater is anticipated at approximately 31 feet bgs. Because the Property is located near the Long Beach Anticline and the Cherry Hill fault, groundwater flow directions may vary.

3 SITE INVESTIGATION AND ANALYTICAL RESULTS

SUBSURFACE UTILITIES CLEARANCE

As required by law, SCS contacted Underground Service Alert prior to conducting any subsurface work (Dig Alert No. A72711084-01A). Goldak Inc. of Sylmar, California, conducted a geophysical survey to clear boring locations of subsurface utilities and other potential obstructions prior to initiating the investigation.

SOIL SAMPLE COLLECTION

On October 5, 2017, under the direction of SCS, H&P Mobile Geochemistry Inc. (H&P) of Carlsbad, California collected soil samples from eight boring locations using a truck-mounted direct-push drill rig. Boring locations SB1 through SB8 are identified on **Figure 2**. Soil borings were drilled on all four parcels including in areas of the former and current oil wells and near the ASTs. The borings were continuously cored to a depth of 15 feet bgs in order to observe the soil for indications of contamination. Discrete soil samples were collected for laboratory analysis from each of the borings at the 1- (or 2 if no recovery at 1 foot), 5-, 10-, and 15-foot depths.

The drill rig was equipped with a hydraulic hammer and a 4-foot long, 2.25-inch diameter continuous core sampler. A pointed steel tip was fixed to the head of the solid core samplers and driven to the desired depth on a steel rod. Soil matrix samples were collected by retracting the drive tip through the center of the sampler with an inner rod, and hydraulically hammering the sampler an additional 1.5 to 2 feet. Soil samples were recovered in 4-foot long, 2-inch diameter pre-cleaned polycarbonate sleeves that had been placed inside the sampler. At each sampling interval, an approximately 6-inch section was cut from the sample sleeve at the appropriate interval and retained for submittal to the laboratory.

Soil samples were prepared in the field using EPA Method 5035, which included the collection of six aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The six aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows – five aliquots in VOAs with deionized (DI) water and one in a

methanol preservative. The samples preserved in DI water are frozen at the laboratory (within 48-hours of collection) until prepared for analysis. The polyethylene sample sleeve ends were covered with Teflon squares and sealed with plastic end caps. New nitrile gloves were used and frequently replaced in the handling of all soil samples to prevent cross-contamination.

A solvent-free label noting the date of collection, sample number, and project number was affixed to each sample container. Immediately following labeling, samples were placed in a chilled cooler to be submitted to Test America Environmental Laboratories Inc. (Test America) of Irvine, California, a California Department of Health Services-certified laboratory. Soil samples were selectively analyzed based on field observations, site history, and to provide representative data from across the Property. Select soil samples were analyzed for total petroleum hydrocarbons–carbon chain analysis (TPH) using EPA Method 8015M, volatile organic compounds (VOCs) using EPA Method 8260B/5035, and/or Title 22 metals using EPA Methods 6010B/7471A. Samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol. Samples were collected and analyzed using generally accepted regulatory procedures.

A portion of each sample sleeve was selected for soil classification, to screen samples with a photoionization detector (PID), and to examine for field indications of potential contamination, such as discoloration and odor. Boring logs recording the lithology and associated PID readings are provided in **Appendix A**.

Soil Analytical Results

The Test America laboratory report, including chain-of-custody forms and quality assurance/quality control (QA/QC) data, are provided in **Appendix B**. As summarized on **Table 1**, a total of 24 samples were analyzed for TPH and VOCs. **Table 2** presents a summary of the 16 soil samples analyzed for metals.

As shown in **Table 1**, TPH in the diesel range (C₁₃-C₂₂ [TPH-D]) was detected in 9 of 24 samples analyzed at concentrations ranging from 2.6 to 610 milligrams per kilogram (mg/kg). Heavy oil range hydrocarbons (C₂₃-C₄₀ [TPH-O]) were detected in 14 of 24 samples at concentrations ranging from 5.9 to 3,000 mg/kg. No gasoline range hydrocarbons (C₄-C₁₂ [TPH-G]) or VOCs were detected in the 24 samples analyzed.

As shown in **Table 2**, all sixteen samples analyzed for metals had detections of multiple metals that included arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

SOIL VAPOR SAMPLING AND ANALYSIS

Under the direction of SCS, H&P installed six soil vapor probes at six locations designated SV1 through SV6. Soil vapor probes were installed throughout the Property at the locations depicted on **Figure 2**. Probes were installed at a depth of 5 feet bgs with the exception of SV6, which had a strong vacuum at 5 feet (and therefore could not be sampled) and was subsequently reinstalled at a depth of 4 feet bgs. Soil vapor sample locations are depicted on **Figure 2**.

Soil vapor probes were installed using a direct-push drill rig. Stainless steel rods were advanced to the target depth. The steel rods were retracted from each boring and new (clean) 1/8-inch diameter Nylaflow tubing, with a polypropylene filter placed on the bottom end, was inserted to the desired depth. Clean #2/12 Monterey sand was placed in a 6-inch vertical interval around each filter. A bentonite seal was placed above the sand pack for each probe. The remaining annular space was then backfilled with bentonite and hydrated. Sampling was conducted in general accordance with the *Advisory – Active Soil Gas Investigations*, published by the Regional Water Quality Control Board and Department of Toxic Substance Control in April 2012.

Following a minimum of 30 minutes after being set, the probes were purged to remove ambient air from the sampling system and ensure that the collected soil vapor samples were representative of soil conditions.

A total of six soil vapor samples, including one replicate sample for quality control purposes, were analyzed for VOCs using Method 8260SV (a modified version of EPA Method 8260B) in an on-site mobile laboratory provided by H&P. Samples were also collected from each probe in Tedlar bags and transported to H&P's fixed laboratory in Carlsbad, California for analysis of methane using EPA Method 8015M. In addition, the probes were measured in the field for pressure using a magnehelic gauge by SCS.

H&P is certified by the California Department of Health Services to conduct the specified analyses. Chain-of-custody documentation was completed in order to accurately track the samples from the point of collection through analysis. After all samples had been collected, the probes were removed and the surface repaired to match the surrounding area.

Soil Vapor Analytical Results

The H&P laboratory report, chain-of-custody documentation and quality assurance/control (QA/QC) data are included in **Appendix C**.

Analytical results of soil vapor samples are summarized in **Table 3**. Four VOCs (benzene, toluene, m,p,-xylene, and isopropylbenzene) were detected in samples. Toluene was detected at a concentration of 3.2 micrograms per liter (µg/l) in SV4, located on the southeast portion of the Property. Benzene, m,p-xylene, and isopropylbenzene were detected at concentrations of 0.38, 3.1, and 1.0 µg/l, respectively, in the 4-foot soil vapor sample from SV6, located between the ASTs on the northeastern portion of the Property.

Methane was not detected any of the soil vapor samples, but positive pressure readings ranging from 0.1 to 0.8 inches of water (i.w.) were observed in three of the six locations (SV1, SV3, and SV4).

4 DISCUSSION OF ANALYTICAL RESULTS AND REGULATORY LIMITS

METALS IN SOIL

Regulatory guidance for metals in soil is based on an evaluation of both background and risk-based concentrations. The Kearney Foundation of Soil Science published a report of background

concentrations of trace and major elements in California soils (Bradford et al, 1996). The California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO) issued Human Health Risk Assessment Note Number 3 (Note No. 3), most recently updated in August 2017. Note No. 3 provides DTSC-modified Screening Levels (DTSC-SLs) for soil, tap water, and ambient air for use in evaluating human health risks at hazardous waste sites and permitted facilities. For the majority of the listed chemicals, HERO Note No. 3 recommends the use of the U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs; most recently updated in June 2017), except in cases where DTSC has calculated or recommended a more stringent screening level (DTSC-SL). Human health risks associated with contact of contaminated soil (dermal, ingestion, etc.) in California can be assessed by comparing concentrations detected at the Property to the most stringent (or conservative) of these values for each metal, referred to by SCS as the DTSC-Recommended SLs and presented on **Table 2**.

As shown in **Table 2**, the analytical results for all metals in all samples analyzed were below or within the typical background concentration ranges for southern California soils (Bradford et al, 1996), with the exception of lead and zinc in three and four samples, respectively (SB3, SB5, SB6, and/or SB7).

Arsenic was detected in all sixteen samples at concentrations between 2.5 and 5.2 mg/kg, above the risk-based DTSC-Recommended SLs for residential and industrial land use. Although above screening levels, as previously stated, these concentrations are within background concentration ranges, and further, the detected concentrations are below the acceptable level of arsenic in soil in the range of 8 to 12 mg/kg for school sites in California as set by the DTSC.

Although zinc was detected above the typical background range in four samples (concentrations ranging between 280 and 440 mg/kg in the 1- or 2-foot depth samples only, they were well below the DTSC-Recommended SLs for residential and industrial land use of 23,000 and 350,000 mg/kg, respectively.

Lead was detected at concentrations above the typical background range at the 1-foot depth in samples SB5, SB6 and SB7. In addition, these concentrations were above the DTSC-Recommended SL of 80 mg/kg for residential sites but below the DTSC-Recommended SL of 320 for commercial/industrial land use.

Other metal concentrations were below the risk-based DTSC-Recommended SLs for residential and industrial land use. In summary, the concentrations of metals detected in soil would not be of concern to a regulatory agency for the proposed commercial use at the Property.

TPH AND VOCS IN SOIL

There are no universal cleanup guidelines for TPH- and/or VOC-contaminated soils in California. Cleanup levels can vary based on a number of factors including the nature of the contamination, depth to groundwater, the beneficial uses of groundwater, soil type, human health risks (i.e., land use, residential vs. commercial/industrial scenarios), and regulatory oversight agency requirements. Actual cleanup goals are site-specific and based on applicable regulatory guidelines. Generally, regulatory guidelines that apply to the cleanup of specific chemical constituents in soil are related to one or more of the following issues:

- Potential impacts to groundwater
- Human health risks
- Waste disposal restrictions

Based on available information regarding the Property, the following guidelines may be applicable to the remediation and cleanup of impacted soils.

Potential Impacts to Groundwater

The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination (RWQCB, 1996). Where impacted soils are anticipated to be between 20 and 150 feet above groundwater (assuming conservatively that groundwater is at approximately 30 feet bgs at the Property), the SSLs for petroleum hydrocarbons are:

- TPH-G or gasoline-range hydrocarbons (C₄-C₁₂) – 500 mg/kg
- TPH-D or diesel-range hydrocarbons (C₁₃-C₂₂) – 1,000 mg/kg
- TPH-O or oil/heavy-range hydrocarbons (C₂₃-C₄₀) – 10,000 mg/kg

These SSLs, along with the summary of analytical results, are also provided in **Table 1**. As shown on **Table 1**, the concentrations of TPH-D and TPH-O detected are well below their respective SSLs of 1,000 and 10,000 mg/kg, respectively. Based on this information and data from this investigation, there is no evidence of releases at the Property that may represent a risk to groundwater.

Human Health Risks

Note No. 3 also describes DTSC-Recommended SLs for use in evaluating human health risks at hazardous waste sites and permitted facilities. No VOCs were detected in soil samples during the course of this investigation.

Waste Disposal Restrictions

There are a number of state and federal regulations that relate to the disposal of contaminated soils. For the purposes of disposal, waste streams can be:

- Defined as hazardous in the regulations (e.g., soils containing spent solvents above specified limits for hazardous chemicals).
- Classified as hazardous on the basis of testing results for physical or chemical characteristics (i.e., toxic, reactive, ignitable, and/or corrosive).

In general soil containing petroleum hydrocarbons and/or solvents are not defined as “hazardous” under state and federal regulations. They may, however, exhibit “hazardous characteristics,” and should therefore be tested and characterized for disposal at an appropriate facility when excavated and removed. Under California regulations (Title 14 CCR, Division 7, Chapter 3, Article 5.6), contaminated soil that is excavated, and then either removed from or

placed back on the Property, may be subject to the requirements of the RWQCB or a Local Enforcement Agency (such as the Long Beach Department of Human Health Services).

Although the results of this investigation did not identify constituents of concern above generally-acceptable levels for commercial land use, low levels of TPH and lead were detected. Because the Property is currently and has historically been used for oil operations and storage, additional impacted soil could still be encountered during the redevelopment. If encountered during future site activities, potentially impacted soil should be characterized and, as appropriate, removed for proper disposal.

VOCs in Soil Vapor

Note No. 3 also makes recommendations regarding the methodology and use of the RSLs and DTSC-SLs for soil vapor screening under residential and commercial/industrial land use scenarios.

The DTSC-Recommended SLs for evaluating soil vapor intrusion are calculated using indoor air screening levels and recommended attenuation factors. These calculated soil vapor screening levels are for samples collected near the source area either for existing buildings or future buildings (Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air, October 2011, DTSC). The term “near the source area” is considered to be at or just above the contaminant source, generally no more than five feet beneath a building foundation. The values calculated using Note No. 3 recommendations are conservative. Chemical concentrations in excess of the calculated DTSC-Recommended SLs are not conclusive evidence of adverse risks to human health. Additional investigation – such as sub-slab sampling, indoor air assessments, site-specific health risk assessments, etc. – may be warranted to further assess site-specific health risks.

The soil vapor results from this investigation were compared to the residential and commercial DTSC-Recommended SLs for a future building in **Table 3**. Of the four VOCs detected, the concentrations of toluene, m,p-xylene, and isopropylbenzene were well below their corresponding residential and commercial SLs. Benzene was detected at one location (SV6) at a concentration (0.38 µg/l) above the residential but below the commercial/industrial DTSC-Recommended SLs of 0.10 and 0.84 µg/l, respectively. Benzene was not detected in any of the other five vapor samples collected from the Property.

Methane Results

As shown on **Table 3**, no methane was detected in the six soil vapor samples analyzed during this investigation. Subsurface gas pressure, between 0.1 and 0.8 inches of water, were detected during the investigation at three of the six soil vapor probe locations. Based on these data, there is no significant subsurface methane hazard associated with the Property.

5 CONCLUSIONS AND RECOMMENDATIONS

On October 5, 2017, SCS conducted soil and soil vapor investigation activities on the Property located at the southeast corner of the intersection of East 35th Street and Locust Avenue, Long Beach, California. Based on the results of this investigation, SCS has concluded the following:

- No TPH-G or VOCs were detected in any of the 24 soil samples analyzed.
- TPH-D and/or TPH-O were detected in 14 of 24 samples at concentrations below their respective Soil Screening Levels SSLs. These constituents were generally identified in shallow soils (5 feet or less), were not vertically extensive, and consistent with the current and historic oil exploration and production activities.
- Concentrations of metals detected at the Property were generally consistent with typical background concentration ranges for southern California soil and/or below the risk based DTSC-Recommended SLs for commercial/industrial land use.
- Four VOCs (benzene, toluene, isopropylbenzene and/or m,p-xylene) were detected in one of 6 soil vapor samples collected at the Property. With the exception of benzene, all VOC concentrations were well below DTSC-Recommended SLs for both residential and industrial land use. Benzene was detected in one sample above its residential but below its commercial/industrial DTSC-Recommended Screening Level.
- No methane was detected in the six soil vapor samples analyzed during this investigation. Based on these data, there is no significant subsurface methane hazard associated with the Property.

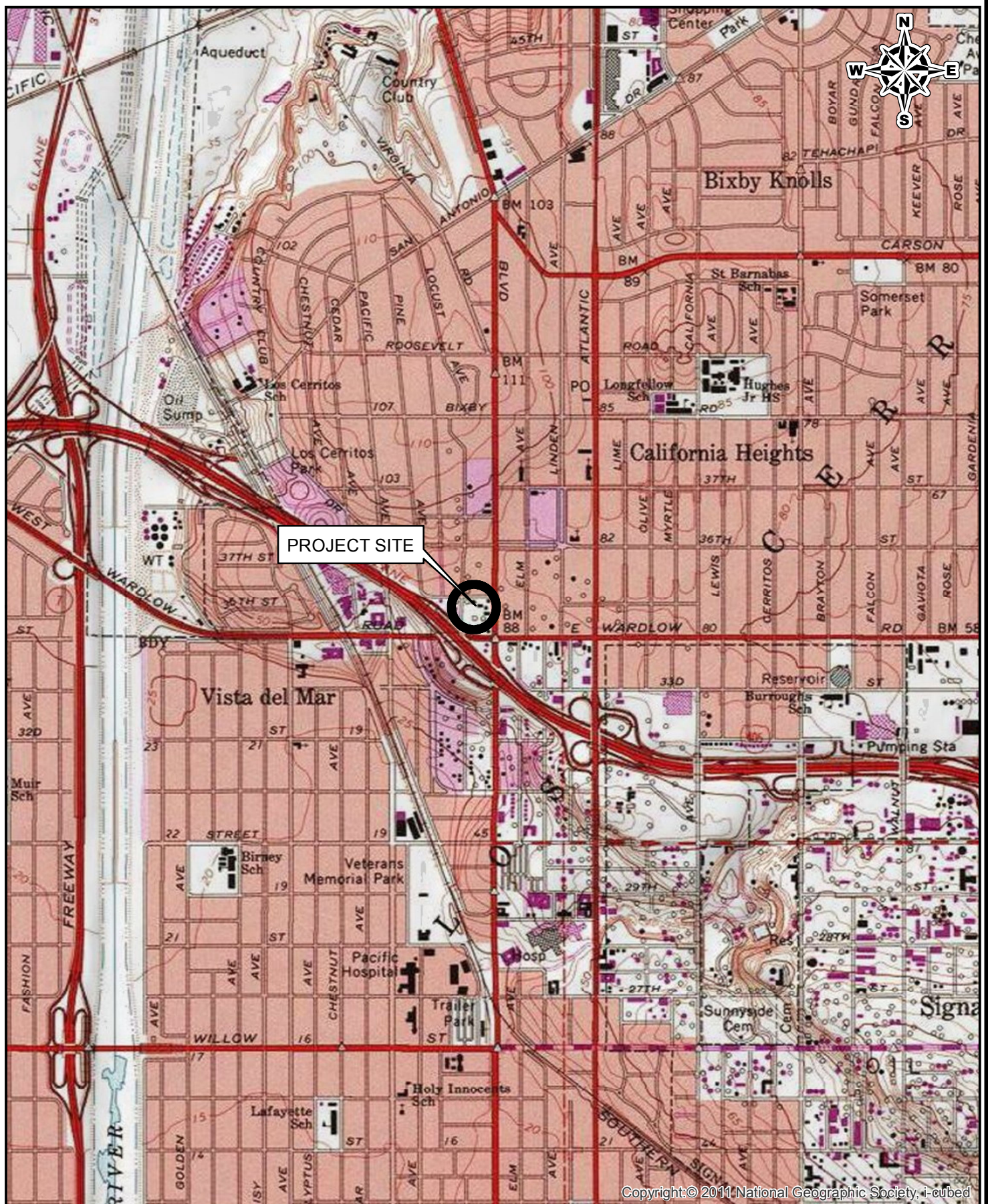
In summary, based on the results of this investigation and the proposed commercial use of the Property, there is no evidence of significant impact to the subsurface as a result of the current and historical oil-related activities. It is SCS's opinion, that no further investigation or remediation is warranted at this time. However, because the Property is to be redeveloped, it is likely that it will be necessary to expose the location of the former oil wells for re-abandonment and to abandon the existing wells to the current abandonment standards as well as dismantling of the current oil tanks and associated features. In addition, because the Property is located in an oil field, the City of Long Beach may require a methane barrier as part of the design plan.

Although the results of this investigation did not identify constituents of concern above generally-acceptable levels for commercial land use, low levels of TPH and lead were detected. Because the Property is currently and has historically been used for oil operations and storage, additional impacted soil could still be encountered during the redevelopment and a Soil Management Plan is recommended. If encountered during future site activities, potentially impacted soil should be characterized and, as appropriate, removed for proper disposal.

6 REFERENCES

- California Department of Toxic Substances Control and Regional Water Quality Control Board. *Advisory – Active Soil Gas Investigations*. July 2015.
- California Department of Toxic Substances Control (DTSC) and California Environmental Protection Agency (CalEPA). *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)*. October 2011.
- California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO). *Human Health Risk Assessment (HHRA) Note Number 3*. June 2016.
- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. Reprinted April 1988.
- California Environmental Protection Agency, January 2005. *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties*.
- Los Angeles Regional Water Quality Control Board (LARWQCB). *Interim Site Assessment and Cleanup Guidebook*. May 1996.
- California Environmental Protection Agency, State Water Resources Control Board. GeoTracker website; <http://geotracker.waterboards.ca.gov/>
- SCS Engineers, *Phase I Environmental Site Assessment, Four Parcels Southeast Corner of East 35th Street and Locust Avenue, Long Beach, California 90807, (Assessor's Parcel Numbers: 7141-004-028, -029, -030, & -031)*, September 29, 2017.
- United States Geological Survey, Long Beach, CA 7.5 Minute Topographic Map, 1964 (Photorevised 1981).

FIGURES



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0 1,000 2,000
Feet

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

SITE:

Four Parcels
Southeast Corner of East 35th Street and Locust Avenue
Long Beach, California 90807

Job No.: 01217033.03

Title: SITE LOCATION MAP

FIGURE

1

E. 35th STREET

LOCUST AVENUE



LEGEND

--- PROPERTY LINE



SOIL BORING LOCATIONS



SOIL VAPOR LOCATIONS



GRAPHIC SCALE

0 30 60

SCALE IN FEET

SCS ENGINEERS
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CLIENT

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3545 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807

SHEET TITLE

AERIAL IMAGE SHOWING SOIL AND SOIL VAPOR
SAMPLE LOCATIONS

PROJECT TITLE

FOUR PARCELS
SOUTHEAST CORNER OF EAST 35TH STREET AND LOCUST AVENUE
LONG BEACH, CALIFORNIA 90807

DATE:

10-5-17

SCALE:

1IN=30FT

FIGURE NO.

2

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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES - TPH & VOCs
SOUTHEAST CORNER OF EAST 35TH STREET AND LOCUST AVENUE
LONG BEACH, CA 90807

Sample Location	Sample Depth (feet bgs)	Date of Collection	TPH			VOCs	
			TPH as Gasoline-range Hydrocarbons (C4 - C12)	TPH as Diesel-range Hydrocarbons (C13 - C22)	TPH as Motor Oil-range Hydrocarbons (C23 - C40)	All Analytes	
			milligrams per kilogram (mg/kg), equivalent to parts per million (ppm)			micrograms per kilogram (µg/kg)	
SB1	1	October 5, 2017	<0.17	16	66	ND	
	5		<0.12	<5.1	25	ND	
	10		<0.13	<5.1	7.8J	ND	
	15		--	--	--	--	
SB2	1		<0.19	<5.0	9.0J	ND	
	5		<0.12	<5.4	<5.4	ND	
	10		<0.14	2.6J	<2.5	ND	
	15		--	--	--	--	
SB3	2		<0.15	90	240	ND	
	5		<0.14	19	220	ND	
	10		<0.16	<5.3	5.9J	ND	
	15		--	--	--	--	
SB4	2		<0.17	460	1,400	ND	
	5		<0.14	<5.2	<5.2	ND	
	10		<0.16	<5.3	<5.3	ND	
	15		--	--	--	--	
SB5	1		<0.15	72	260	ND	
	5		<0.10	<5.2	<5.2	ND	
	10		<0.15	<2.5	<2.5	ND	
	15		--	--	--	--	
SB6	1		<0.17	610	3,000	ND	
	5		<0.12	<5.1	9.1J	ND	
	10		<0.15	<5.1	<5.1	ND	
	15		--	--	--	--	
SB7	1		<0.16	45	200	ND	
	5		<0.11	100	320	ND	
	10		<0.27	<5.1	<5.1	ND	
	15		--	--	--	ND	
SB8	1		<0.13	<5.2	6.2J	ND	
	5		<0.27	<5.1	<5.1	ND	
	10		<0.14	<5.3	<5.3	ND	
	15		--	--	--	--	
LARWQCB SSLs			500	1,000	10,000	--	
DTSC-Recommended SL (Residential)			--	--	--	--	
DTSC-Recommended SL (Commercial/Industrial)			--	--	--	--	

Notes:

TPH = Total petroleum hydrocarbons by EPA Method 8015M.

VOCs = Volatile organic compounds by EPA Method 8260B.

bgs = Below ground surface

LARWQCB SSLs = Los Angeles Regional Water Quality Control Board Soil Screening Levels in sandy soils approximately 20 to 30 feet above groundwater (Interim Site Assessment and Cleanup Guidebook, May 1996).

DTSC-Recommended SL = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and industrial/commercial land use scenarios August 2017, Referencing U.S. Environmental Protection Agency Regional Screening Level Summary Table - June 2017).

-- = Not Analyzed/Not Applicable

ND = Not detected for all analytes. See laboratory report for list of analytes and associated reporting limits.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES - METALS
SOUTHEAST CORNER OF EAST 35TH STREET AND LOCUST AVENUE
LONG BEACH, CA 90807

Boring ID	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury (elemental)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			Milligrams per kilogram (mg/kg), equivalent to parts per million (ppm)																	
SB1	1	October 5, 2017	<5.0	3.2	90	0.61	0.88	18	7.8	18	11	0.054	<1.0	15	<1.7	<0.89	<5.0	33	250	
	5		<5.0	2.7J	78	0.78	<0.25	21	8.6	17	4.6	0.021	<0.99	17	<1.7	<0.88	<5.0	37	40	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB2	1		<5.0	2.8J	150	0.78	<0.25	21	7.8	14	5.3	0.015J	<0.99	14	<1.7	<0.88	<5.0	34	37	
	5		<5.0	5.2	1,300	1.3	0.26J	33	7.3	25	6.4	0.020	<1.0	28	<1.7	<0.89	<5.0	45	54	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB3	2		<5.0	5.1	190	0.81	0.59	23	7.5	32	69	0.045	<1.0	19	<1.7	<0.89	<5.0	35	280	
	5		<5.0	4.0	89	0.79	0.36J	26	7.4	25	15	0.19	<1.0	18	<1.7	<0.89	<5.0	40	60	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB4	2		<5.0	4.9	120	0.65	0.53	19	7.6	97	67	0.052	<1.0	19	<1.7	<0.89	<5.0	34	220	
	5		<4.9	3.5	73	1.0	<0.25	27	7.4	14	8.0	0.064	210	16	<1.7	<0.88	<4.9	33	43	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB5	1		<5.0	5.2	160	0.68	1.2	26	8.3	75	190	0.13	<0.99	23	<1.7	<0.88	<5.0	40	440	
	5		<5.0	3.0	81	0.80	<0.50	19	7.0	10	4.6	0.017J	15	12	<1.7	<0.88	<5	31	37	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB6	1		<4.9	4.0	690	0.50	0.53	23	4.9	33	110	0.093	130	32	<1.7	<0.88	<4.9	30	250	
	5		<5.0	2.8J	130	1.2	<0.25	28	8.9	16	5.5	0.058	<1.0	24	<1.7	<0.89	<5.0	40	43	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB7	1		<4.9	4.5	160	0.78	0.96	21	7.5	35	120	0.049	<0.99	23	<1.7	<0.88	<4.9	39	350	
	5		<5.0	3.5	120	0.75	<0.25	22	18	13	4.5	0.032	<1.0	18	<1.7	<0.89	<5.0	34	39	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SB8	1		<4.9	2.7J	87	0.48J	<0.25	15	7.2	12	4.6	0.014J	<0.99	10	<1.7	<0.88	<4.9	27	36	
	5		<4.9	2.5J	70	0.70	<0.25	25	6.7	12	5.4	0.033	<0.99	15	<1.7	<0.88	<4.9	35	44	
	10		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1,579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236	
Source			RSL	HERO	RSL	HERO	HERO	HERO	RSL	RSL	HERO	HERO	RSL	HERO	RSL	HERO	RSL	HERO	RSL	
DTSC-Recommended SL (Residential)			31	0.11	15,000	15	5.2	36,000/0.3±	23	3,100	80	1.0	390	490	390	390	0.78	390	23,000	
DTSC-Recommended SL (Commercial/Industrial)			470	0.36	220,000	210	7.3	170,000/6.3±	350	47,000	320	4.5	5,800	3,100	5,800	1,500	12.00	1,000	350,000	
TTLc			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700.00	2,400	5,000	
STLC**			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7.00	24	250	
TCLP**			--	5	100	--	1	5	--	--	5	0.2	--	--	1	5	--	--	--	

Notes:
bgs = below ground surface
* = Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.

** = Values in milligrams per liter (mg/L)
± = Value for Chromium (III) / Value for Chromium (VI)
DTSC-Recommended SL = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and industrial/commercial land use scenarios (August 2017 Referencing U.S. Environmental Protection Agency Regional Screening Level [RSL] Summary Table - June 2017).
TTLc = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the
TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.
-- = Not analyzed/Not Applicable

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR SOIL VAPOR SURVEY
SOUTHEAST CORNER OF EAST 35TH STREET AND LOCUST AVENUE
LONG BEACH, CA 90807

Boring ID	Sample Depth (feet bgs)	Sampling Date	Volatile Organic Compound (EPA Method 8260SV)				Methane (EPA Method 8015M)
			Benzene	Toluene	m,p-Xylene	Isopropylbenzene (Cumene)	
			Micrograms per liter (µg/l)				Parts per million per volume (ppmv)
SV1	5	10/5/2017	<0.08	<0.80	<0.40	<0.40	<10
SV2	5		<0.08	<0.80	<0.40	<0.40	<10
SV3	5		<0.08	<0.80	<0.40	<0.40	<10
SV4	5		<0.08	3.2	<0.40	<0.40	<10
SV5	5		<0.08	<0.80	<0.40	<0.40	<10
	5-REP		<0.08	<0.80	<0.40	<0.40	<10
SV6	4		0.38	<2.0	3.1	1.0	<10
Residential DTSC-Recommended SL			0.10	310	100	420	--
Commercial/Industrial DTSC-Recommended SL			0.84	2,600	880	3,600	--

Notes:

bgs = below ground surface

DTSC-Recommended SL (Existing Building) = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and commercial/industrial land use scenarios at a future building August 2017 referencing U.S. Environmental Protection Agency Regional Screening Level Reference Summary Table - June 2017).

Three purge volumes were used for all sampling points.

APPENDIX A

BORING LOGS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB1

Page 1 of 1

888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0					ML		Very Dark Brown Silt, Dry.	0
	1		SB1-1		0.3	ML			
	2					ML			
	3					ML		Very Dark Grayish Black Silt, Slightly Moist. Greenish Light Brown Silt, Slightly Moist.	
1	4								
	5		SB1-5		0.4				5
	6								
2	7								
	8								
	9					SP			
3	10		SB1-10		0.0			Tan Yellowish Medium Sand, Moist, Well-Sorted, Subangular to Subrounded, Trace Silt, Shell Fragments.	10
	11								
	12								
4	13								
	14								
	15		SB1-15		0.0				15
5	16								
	17								
	18								
	19								
6	20								

Drilling Company: H & P Mobile Geochemistry

Drilling Method: Direct Push

Logged By: C.Pak

Date Started: 10/5/17

Date Ended: 10/5/17

Boring Diameter: 2.25 in.

Total Depth: 15.0 ft

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB2

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888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0					CL-ML		Very Dark Reddish Brown Medium Plastic Silty Clay.	0
	1		SB2-1		0.2				
	2								
	3								
1	4								
	5		SB2-5		0.0	SP		Light Greenish Tan Fine to Medium Sand, Moist, Well-Sorted, Subangular to Subrounded, Trace Silt.	5
	6								
	7								
	8								
	9								
3	10		SB2-10		0.7				10
	11								
	12								
4	13								
	14								
	15		SB2-15		0.0				15
	16								
5	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB3

Page 1 of 1

888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Soil Surface.	0
1	1								
	2		SB3-2		0.4	ML ML		Brownish Gray Silt, Dry. Brownish Gray Silt With Black Stain, Slightly Moist.	
	3					SM		Dark Brown Silty Sand With Some Staining.	
1	4					SM		Light Greenish Gray Silty Sand, Slightly Moist, Well-Sorted, Subangular to Subrounded.	
	5		SB3-5		0.1				5
	6								
2	7								
	8								
	9								
3	10		SB3-10		0.0				10
	11								
	12								
4	13								
	14								
	15		SB3-15		0.0				15
5	16								
	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB4

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888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Soil Surface.	0
	1								
	2		SB4-2		10	ML		Greenish Gray Silt, Dry, Possible Very Dark Brown to Black Staining at 1.9 to 2 ft bgs	
	3					ML		Brownish Black Silt, Dry.	
1	4								
	5		SB4-5		1.6	SP		Light Yellowish Green Fine Sand, Slightly Moist, Well-Sorted, Subangular to Subrounded, Trace Silt.	5
	6								
2	7								
	8								
	9								
3	10		SB4-10		0.2				10
	11								
	12								
4	13								
	14								
	15		SB4-15		0.0				15
5	16								
	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB5

Page 1 of 1

888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0					ML		Very Dark Greenish Gray Silt, Dry.	0
	1		SB5-1		0.2	ML		Very Dark Greenish Gary Silt, Slightly Moist, Trace Fine Sand.	
	2								
	3								
1	4					CL-ML		Greenish Brown Silty Clay, Slight Moist.	
	5		SB5-5		87				5
	6								
	7								
	8					SP		Greenish Brown Fine to Medium Sand, Well-Sorted, Subangular to Subrounded, Trace Silt.	
	9								
3	10		SB5-10		6				10
	11								
	12					SP		Tan Yellowish Medium Sand, Well-Sorted, Subangular to Subrounded, Trace Silt.	
4	13								
	14								
	15		SB5-15		11				15
	16								
5	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB6

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888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Soil Surface.	0
	1		SB6-1		0.2	ML		Very Dark Grayish Brown Silt, Moist.	
	2					ML		Very Dark Grayish Black Silt, Trace Fine Sand, Slightly Moist.	
1	3								
	4								
	5		SB6-5		2.3	CL		Green, Medium Plastic Clay, Slightly Moist. Recovery is Poor.	5
2	6								
	7								
	8								
	9								
3	10		SB6-10		0.1	SP		Tan Yellowish Medium Sand, Moist, Well-Sorted, Subrounded to Rounded, Trace Silt.	10
	11								
	12								
4	13								
	14								
	15		SB6-15		3.0				15
5	16								
	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB7

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888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Soil Surface.	0
	1		SB7-1		0.0	ML		Very Dark Brown Silt With Possible Staining at 1.5 and 3.75 ft bgs.	
	2								
	3								
1	4					ML		Light Green Silt, Slightly Moist.	
	5		SB7-5		0.0				5
	6								
	7								
	8					SP		Light Green, Very Fine to Fine Sand, Moist, Well-Sorted, Subangular to Subrounded, Trace Silt.	
	9								
3	10		SB7-10		0.1	SP		Light Green, Fine to Medium Sand, Moist, Well-Sorted, Subangular to Subrounded, Trace Silt.	10
	11								
	12								
4	13								
	14								
	15		SB7-15		0.4				15
	16								
5	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB8

Page 1 of 1

888-5 Partners, LLC
3545 Long Beach Boulevard
Long Beach, California

JOB NUMBER: 01217033.03

REMARKS:
Continuous Core

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Soil Surface.	0
	1		SB8-1		0.5	ML		Very Dark Brown Silt, Dry.	
	2								
	3								
1	4					ML		Greenish Brown Silt, Slightly Moist.	
	5		SB8-5		0.5				5
	6								
	7								
	8								
	9					SP		Light Greenish Tan Medium Sand, Moist, Well-Sorted, Subrounded to Rounded, Trace Silt.	
	10		SB8-10		0.7				10
	11								
	12								
4	13								
	14								
	15		SB8-15		0.5				15
	16								
5	17								
	18								
	19								
6	20								

Drilling Company: **H & P Mobile Geochemistry**

Drilling Method: **Direct Push**

Logged By: **C.Pak**

Date Started: **10/5/17**

Date Ended: **10/5/17**

Boring Diameter: **2.25 in.**

Total Depth: **15.0 ft**

STANDARD_LOG_01217033.GPJ STD_LOG.GDT 10/24/17

APPENDIX B

TEST AMERICA LABORATORY REPORTS

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-193786-1

Client Project/Site: 9217033.03 T2

For:

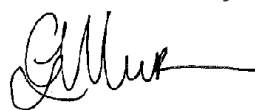
SCS Engineers

3900 Kilroy Airport Way

Suite 100

Long Beach, California 90806

Attn: Ms. Ashley Hutchens



Authorized for release by:

10/19/2017 2:18:44 PM

Camille Murray, Project Manager I

(949)261-1022

camille.murray@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-193786-1	SB5-5	Solid	10/05/17 10:27	10/06/17 18:35
440-193786-2	SB5-10	Solid	10/05/17 10:30	10/06/17 18:35
440-193786-4	SB6-5	Solid	10/05/17 11:05	10/06/17 18:35
440-193786-5	SB6-10	Solid	10/05/17 11:13	10/06/17 18:35
440-193786-7	SB4-5	Solid	10/05/17 12:49	10/06/17 18:35
440-193786-8	SB4-10	Solid	10/05/17 12:52	10/06/17 18:35
440-193786-10	SB3-5	Solid	10/05/17 13:12	10/06/17 18:35
440-193786-11	SB3-10	Solid	10/05/17 13:17	10/06/17 18:35
440-193786-13	SB3-2	Solid	10/05/17 13:10	10/06/17 18:35
440-193786-14	SB4-2	Solid	10/05/17 14:30	10/06/17 18:35
440-193786-15	SB2-1	Solid	10/05/17 14:12	10/06/17 18:35
440-193786-16	SB2-5	Solid	10/05/17 13:52	10/06/17 18:35
440-193786-17	SB2-10	Solid	10/05/17 13:56	10/06/17 18:35
440-193786-19	SB1-1	Solid	10/05/17 15:01	10/06/17 18:35
440-193786-20	SB1-5	Solid	10/05/17 15:10	10/06/17 18:35
440-193786-21	SB1-10	Solid	10/05/17 15:16	10/06/17 18:35
440-193786-23	SB7-1	Solid	10/05/17 15:41	10/06/17 18:35
440-193786-24	SB7-5	Solid	10/05/17 15:48	10/06/17 18:35
440-193786-25	SB7-10	Solid	10/05/17 15:53	10/06/17 18:35
440-193786-27	SB8-1	Solid	10/05/17 16:28	10/06/17 18:35
440-193786-28	SB8-5	Solid	10/05/17 16:32	10/06/17 18:35
440-193786-29	SB8-10	Solid	10/05/17 16:35	10/06/17 18:35
440-193786-31	SB5-1	Solid	10/05/17 17:08	10/06/17 18:35
440-193786-32	SB6-1	Solid	10/05/17 17:13	10/06/17 18:35

Case Narrative

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Job ID: 440-193786-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-193786-1

Comments

No additional comments.

Receipt

The samples were received on 10/6/2017 6:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.1° C and 2.9° C.

Receipt Exceptions

The following samples was listed on the Chain of Custody (COC); however, no samples was received: SB6-10 (440-193786-5) and SB6-15 (440-193786-6). Only Received polyvinyl Sleeve for these samples

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 440-434635 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB5-5 (440-193786-1), SB6-5 (440-193786-4), SB4-2 (440-193786-14), SB7-10 (440-193786-25) and (CCVIS 440-434635/2).

Method(s) 8260B: Surrogate recovery for 4-Bromofluorobenzene and Dibromofluoromethane for the following sample was outside the upper control limits: SB4-2 (440-193786-14). Re-extraction and/or re-analysis was performed with concurring results. Matrix interference was confirmed. The re-analysis has been reported.

Method(s) 8260B: Surrogate recovery for Dibromofluoromethane for the following sample was outside the upper control limit: SB7-10 (440-193786-25). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Internal standard (ISTD) response for 4-Bromofluorobenzene the following sample was below control limits: SB2-1 (440-193786-15), SB4-2 (440-193786-14). The sample(s) was re-extracted and/or re-analyzed with concurring results, and the original set of data has been reported.

Method(s) 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch analytical batch 440-434964 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 1,1-Dichloroethene, 2,2-Dichloropropane, Carbon tetrachloride, Dichlorodifluoromethane, n-Butylbenzene and Trichlorofluoromethane. Recoveries for both LCS and LCSD were within acceptance criteria and precision was within limits for the MS/MSD for these analytes.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 440-434964 was outside control limits. Sample matrix interference is suspected. The individual recoveries met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: low recovery. Re-analysis was performed with concurring results. The original analysis has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batches 440-434120 and 440-434076 were outside control limits for Barium and Antimony. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample recoveries was within acceptance limits.

Case Narrative

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Job ID: 440-193786-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3546: The following samples was diluted due to the nature of the sample matrix: SB4-5 (440-193786-7), SB4-10 (440-193786-8), SB3-5 (440-193786-10), SB3-10 (440-193786-11), SB3-2 (440-193786-13), SB4-2 (440-193786-14), SB2-1 (440-193786-15), SB2-5 (440-193786-16), SB1-5 (440-193786-20), SB1-10 (440-193786-21), SB7-1 (440-193786-23), SB7-5 (440-193786-24), SB7-10 (440-193786-25), SB8-1 (440-193786-27), SB8-5 (440-193786-28), SB8-10 (440-193786-29), SB6-1 (440-193786-32), (440-193786-1), SB6-5 (440-193786-4) and SB6-10 (440-193786-5), (440-193786-G-7 MS) and (440-193786-G-7 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 3546: Due to the matrix, the following samples could not be concentrated to the final method required volume: 2SB3-2 (440-193786-13), SB4-2 (440-193786-14), SB5-1 (440-193786-31) and SB6-1 (440-193786-32). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-5
Date Collected: 10/05/17 10:27
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1,1-Trichloroethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1,2-Trichloroethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1-Dichloroethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1-Dichloroethene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,1-Dichloropropene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2,3-Trichlorobenzene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2,3-Trichloropropane	ND		7.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2,4-Trichlorobenzene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2,4-Trimethylbenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2-Dibromo-3-Chloropropane	ND		3.7	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2-Dibromoethane (EDB)	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2-Dichlorobenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2-Dichloroethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,2-Dichloropropane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,3,5-Trimethylbenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,3-Dichlorobenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,3-Dichloropropane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
1,4-Dichlorobenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
2,2-Dichloropropane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
2-Chlorotoluene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
4-Chlorotoluene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Benzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Bromobenzene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Bromochloromethane	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Bromodichloromethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Bromoform	ND		3.7	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Bromomethane	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Carbon tetrachloride	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Chlorobenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Chloroethane	ND		3.7	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Chloroform	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Chloromethane	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
cis-1,2-Dichloroethene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
cis-1,3-Dichloropropene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Dibromochloromethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Dibromomethane	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Dichlorodifluoromethane	ND		3.7	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Isopropyl Ether (DIPE)	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Ethanol	ND		220	75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Ethyl-t-butyl ether (ETBE)	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Ethylbenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Hexachlorobutadiene	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Isopropylbenzene	ND		1.5	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
m,p-Xylene	ND		3.0	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Methylene Chloride	ND		15	3.7	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Methyl-t-Butyl Ether (MTBE)	ND		3.7	0.75	ug/Kg		10/12/17 09:47	10/12/17 14:23	1
Naphthalene	ND		3.7	1.5	ug/Kg		10/12/17 09:47	10/12/17 14:23	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-5
Date Collected: 10/05/17 10:27
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
N-Propylbenzene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
o-Xylene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
sec-Butylbenzene	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Styrene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Tert-amyl-methyl ether (TAME)	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
tert-Butyl alcohol (TBA)	ND		75	7.5	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
tert-Butylbenzene	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Tetrachloroethene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Toluene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
trans-1,2-Dichloroethene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
trans-1,3-Dichloropropene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Trichloroethene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Trichlorofluoromethane	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Vinyl chloride	ND		3.7	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
Xylenes, Total	ND		3.0	1.5	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1
p-Isopropyltoluene	ND		1.5	0.75	ug/Kg	-	10/12/17 09:47	10/12/17 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123	10/12/17 09:47	10/12/17 14:23	1
4-Bromofluorobenzene (Surr)	107		79 - 120	10/12/17 09:47	10/12/17 14:23	1
Dibromofluoromethane (Surr)	119		60 - 120	10/12/17 09:47	10/12/17 14:23	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		270	100	ug/Kg	-	10/11/17 13:01	10/11/17 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		65 - 140	10/11/17 13:01	10/11/17 15:24	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.2	mg/Kg	-	10/10/17 16:42	10/11/17 22:06	1
C23-C40	ND		10	5.2	mg/Kg	-	10/10/17 16:42	10/11/17 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	83		40 - 140	10/10/17 16:42	10/11/17 22:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Arsenic	3.0		3.0	1.5	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Barium	81		1.5	0.74	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Beryllium	0.80		0.50	0.25	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Cadmium	ND		0.50	0.25	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Chromium	19		0.99	0.50	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Cobalt	7.0		0.99	0.50	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Copper	10		2.0	1.1	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Lead	4.6		2.0	0.99	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Molybdenum	15		2.0	0.99	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5
Nickel	12		2.0	0.99	mg/Kg	-	10/10/17 08:49	10/10/17 20:52	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-5
Date Collected: 10/05/17 10:27
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-1
Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 20:52	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:52	5
Vanadium	31		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:52	5
Zinc	37		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 20:52	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 20:52	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:32	1

Client Sample ID: SB5-10
Date Collected: 10/05/17 10:30
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/18/17 10:56	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/18/17 10:56	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Benzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Bromoform	ND		5.0	2.0	ug/Kg			10/18/17 10:56	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/18/17 10:56	1
Chloroform	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-10

Date Collected: 10/05/17 10:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-2

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/18/17 10:56	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Ethanol	ND		300	100	ug/Kg			10/18/17 10:56	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/18/17 10:56	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/18/17 10:56	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/18/17 10:56	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Styrene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/18/17 10:56	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Toluene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/18/17 10:56	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/18/17 10:56	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/18/17 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		79 - 123		10/18/17 10:56	1
4-Bromofluorobenzene (Surr)	102		79 - 120		10/18/17 10:56	1
Dibromofluoromethane (Surr)	103		60 - 120		10/18/17 10:56	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			10/16/17 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		65 - 140		10/16/17 20:03	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		10/10/17 16:42	10/11/17 22:26	1
C23-C40	ND		5.0	2.5	mg/Kg		10/10/17 16:42	10/11/17 22:26	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-10

Date Collected: 10/05/17 10:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-2

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	78		40 - 140	10/10/17 16:42	10/11/17 22:26	1

Client Sample ID: SB6-5

Date Collected: 10/05/17 11:05

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-4

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1,1-Trichloroethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1,2-Trichloroethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1-Dichloroethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1-Dichloroethene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,1-Dichloropropene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2,3-Trichlorobenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2,3-Trichloropropane	ND		6.8	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2,4-Trichlorobenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2,4-Trimethylbenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2-Dibromo-3-Chloropropane	ND		3.4	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2-Dibromoethane (EDB)	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2-Dichlorobenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2-Dichloroethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,2-Dichloropropane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,3,5-Trimethylbenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,3-Dichlorobenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,3-Dichloropropane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
1,4-Dichlorobenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
2,2-Dichloropropane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
2-Chlorotoluene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
4-Chlorotoluene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Benzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Bromobenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Bromochloromethane	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Bromodichloromethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Bromoform	ND		3.4	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Bromomethane	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Carbon tetrachloride	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Chlorobenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Chloroethane	ND		3.4	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Chloroform	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Chloromethane	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
cis-1,2-Dichloroethene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
cis-1,3-Dichloropropene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Dibromochloromethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Dibromomethane	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Dichlorodifluoromethane	ND		3.4	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Isopropyl Ether (DIPE)	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Ethanol	ND		200	68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Ethyl-t-butyl ether (ETBE)	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-5

Date Collected: 10/05/17 11:05

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-4

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Hexachlorobutadiene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Isopropylbenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
m,p-Xylene	ND		2.7	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Methylene Chloride	ND		14	3.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Methyl-t-Butyl Ether (MTBE)	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Naphthalene	ND		3.4	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
n-Butylbenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
N-Propylbenzene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
o-Xylene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
sec-Butylbenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Styrene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Tert-amyl-methyl ether (TAME)	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
tert-Butyl alcohol (TBA)	ND		68	6.8	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
tert-Butylbenzene	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Tetrachloroethene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Toluene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
trans-1,2-Dichloroethene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
trans-1,3-Dichloropropene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Trichloroethene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Trichlorofluoromethane	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Vinyl chloride	ND		3.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
Xylenes, Total	ND		2.7	1.4	ug/Kg		10/12/17 09:47	10/12/17 15:18	1
p-Isopropyltoluene	ND		1.4	0.68	ug/Kg		10/12/17 09:47	10/12/17 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123	10/12/17 09:47	10/12/17 15:18	1
4-Bromofluorobenzene (Surr)	113		79 - 120	10/12/17 09:47	10/12/17 15:18	1
Dibromofluoromethane (Surr)	119		60 - 120	10/12/17 09:47	10/12/17 15:18	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	120	ug/Kg		10/11/17 13:01	10/11/17 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		65 - 140	10/11/17 13:01	10/11/17 16:20	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg		10/10/17 16:42	10/11/17 18:09	1
C23-C40	9.1	J	10	5.1	mg/Kg		10/10/17 16:42	10/11/17 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	53		40 - 140	10/10/17 16:42	10/11/17 18:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Arsenic	2.8	J	3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Barium	130		1.5	0.75	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Beryllium	1.2		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:54	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-5

Date Collected: 10/05/17 11:05

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-4

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Chromium	28		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Cobalt	8.9		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Copper	16		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Lead	5.5		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Nickel	24		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Vanadium	40		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Zinc	43		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 20:54	5
Silver	ND		1.5	0.89	mg/Kg		10/10/17 08:49	10/10/17 20:54	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 22:54	1

Client Sample ID: SB6-10

Date Collected: 10/05/17 11:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-5

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
1,1,1-Trichloroethane	ND	*	2.0	1.0	ug/Kg			10/13/17 12:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,1-Dichloroethene	ND	*	5.0	1.0	ug/Kg			10/13/17 12:03	1
1,1-Dichloropropene	ND	F2	2.0	1.0	ug/Kg			10/13/17 12:03	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/13/17 12:03	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/13/17 12:03	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
2,2-Dichloropropane	ND	*	2.0	1.0	ug/Kg			10/13/17 12:03	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Benzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-10

Date Collected: 10/05/17 11:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-5

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.0	ug/Kg			10/13/17 12:03	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Carbon tetrachloride	ND	*	5.0	1.0	ug/Kg			10/13/17 12:03	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/13/17 12:03	1
Chloroform	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Dichlorodifluoromethane	ND	*	5.0	2.0	ug/Kg			10/13/17 12:03	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Ethanol	ND		300	100	ug/Kg			10/13/17 12:03	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/13/17 12:03	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/13/17 12:03	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/13/17 12:03	1
n-Butylbenzene	ND	*	5.0	1.0	ug/Kg			10/13/17 12:03	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Styrene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/13/17 12:03	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Toluene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1
Trichlorofluoromethane	ND	*	5.0	1.0	ug/Kg			10/13/17 12:03	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/13/17 12:03	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/13/17 12:03	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/13/17 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123		10/13/17 12:03	1
4-Bromofluorobenzene (Surr)	103		79 - 120		10/13/17 12:03	1
Dibromofluoromethane (Surr)	110		60 - 120		10/13/17 12:03	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			10/16/17 20:32	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-10

Date Collected: 10/05/17 11:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-5

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		65 - 140		10/16/17 20:32	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg		10/10/17 16:42	10/11/17 22:46	1
C23-C40	ND		10	5.1	mg/Kg		10/10/17 16:42	10/11/17 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	83		40 - 140	10/10/17 16:42	10/11/17 22:46	1

Client Sample ID: SB4-5

Date Collected: 10/05/17 12:49

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-7

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1,1-Trichloroethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1,2,2-Tetrachloroethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1,2-Trichloroethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1-Dichloroethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1-Dichloroethene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,1-Dichloropropene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2,3-Trichloropropane	ND		11	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2,4-Trimethylbenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2-Dibromoethane (EDB)	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2-Dichlorobenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2-Dichloroethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,2-Dichloropropane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,3,5-Trimethylbenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,3-Dichlorobenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,3-Dichloropropane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
1,4-Dichlorobenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
2,2-Dichloropropane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
2-Chlorotoluene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
4-Chlorotoluene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Benzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Bromobenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Bromochloromethane	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Bromodichloromethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Bromoform	ND		5.5	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Bromomethane	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Carbon tetrachloride	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Chlorobenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Chloroethane	ND		5.5	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Chloroform	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Chloromethane	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
cis-1,2-Dichloroethene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB4-5

Date Collected: 10/05/17 12:49

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-7

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Dibromochloromethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Dibromomethane	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Dichlorodifluoromethane	ND		5.5	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Isopropyl Ether (DIPE)	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Ethanol	ND		330	110	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Ethyl-t-butyl ether (ETBE)	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Ethylbenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Hexachlorobutadiene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Isopropylbenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
m,p-Xylene	ND		4.4	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Methylene Chloride	ND		22	5.5	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Methyl-t-Butyl Ether (MTBE)	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Naphthalene	ND		5.5	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
n-Butylbenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
N-Propylbenzene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
o-Xylene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
sec-Butylbenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Styrene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Tert-amyl-methyl ether (TAME)	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
tert-Butyl alcohol (TBA)	ND		110	11	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
tert-Butylbenzene	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Tetrachloroethene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Toluene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
trans-1,2-Dichloroethene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
trans-1,3-Dichloropropene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Trichloroethene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Trichlorofluoromethane	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Vinyl chloride	ND		5.5	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
Xylenes, Total	ND		4.4	2.2	ug/Kg		10/11/17 09:48	10/11/17 15:23	1
p-Isopropyltoluene	ND		2.2	1.1	ug/Kg		10/11/17 09:48	10/11/17 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123	10/11/17 09:48	10/11/17 15:23	1
4-Bromofluorobenzene (Surr)	110		79 - 120	10/11/17 09:48	10/11/17 15:23	1
Dibromofluoromethane (Surr)	107		60 - 120	10/11/17 09:48	10/11/17 15:23	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg		10/11/17 13:01	10/11/17 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		65 - 140	10/11/17 13:01	10/11/17 16:47	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.2	mg/Kg		10/10/17 16:47	10/12/17 05:19	1
C23-C40	ND		10	5.2	mg/Kg		10/10/17 16:47	10/12/17 05:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	77		40 - 140	10/10/17 16:47	10/12/17 05:19	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Arsenic	3.5		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Barium	73		1.5	0.74	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Beryllium	1.0		0.49	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Cadmium	ND		0.49	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Chromium	27		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Cobalt	7.4		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Copper	14		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Lead	8.0		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Molybdenum	210		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Nickel	16		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Thallium	ND		9.9	4.9	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Vanadium	33		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Zinc	43		4.9	2.5	mg/Kg		10/10/17 08:49	10/10/17 20:56	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 20:56	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:16	1

Client Sample ID: SB4-10

Lab Sample ID: 440-193786-8

Date Collected: 10/05/17 12:52

Matrix: Solid

Date Received: 10/06/17 18:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1,1-Trichloroethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1,1,2,2-Tetrachloroethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1,2-Trichloroethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1-Dichloroethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1-Dichloroethene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,1-Dichloropropene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2,3-Trichlorobenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2,3-Trichloropropane	ND		18	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2,4-Trichlorobenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2,4-Trimethylbenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2-Dibromo-3-Chloropropane	ND		8.8	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2-Dibromoethane (EDB)	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2-Dichlorobenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2-Dichloroethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,2-Dichloropropane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,3,5-Trimethylbenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,3-Dichlorobenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,3-Dichloropropane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
1,4-Dichlorobenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
2,2-Dichloropropane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
2-Chlorotoluene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
4-Chlorotoluene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Benzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Bromobenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Bromochloromethane	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Bromodichloromethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB4-10

Date Collected: 10/05/17 12:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-8

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		8.8	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Bromomethane	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Carbon tetrachloride	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Chlorobenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Chloroethane	ND		8.8	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Chloroform	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Chloromethane	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
cis-1,2-Dichloroethene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
cis-1,3-Dichloropropene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Dibromochloromethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Dibromomethane	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Dichlorodifluoromethane	ND		8.8	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Isopropyl Ether (DIPE)	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Ethanol	ND		530	180	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Ethyl-t-butyl ether (ETBE)	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Ethylbenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Hexachlorobutadiene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Isopropylbenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
m,p-Xylene	ND		7.1	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Methylene Chloride	ND		35	8.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Methyl-t-Butyl Ether (MTBE)	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Naphthalene	ND		8.8	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
n-Butylbenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
N-Propylbenzene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
o-Xylene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
sec-Butylbenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Styrene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Tert-amyl-methyl ether (TAME)	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
tert-Butyl alcohol (TBA)	ND		180	18	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
tert-Butylbenzene	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Tetrachloroethene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Toluene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
trans-1,2-Dichloroethene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
trans-1,3-Dichloropropene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Trichloroethene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Trichlorofluoromethane	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Vinyl chloride	ND		8.8	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
Xylenes, Total	ND		7.1	3.5	ug/Kg		10/11/17 09:48	10/11/17 15:51	1
p-Isopropyltoluene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123	10/11/17 09:48	10/11/17 15:51	1
4-Bromofluorobenzene (Surr)	108		79 - 120	10/11/17 09:48	10/11/17 15:51	1
Dibromofluoromethane (Surr)	107		60 - 120	10/11/17 09:48	10/11/17 15:51	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		420	160	ug/Kg		10/11/17 13:01	10/11/17 15:56	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB4-10

Date Collected: 10/05/17 12:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-8

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		65 - 140				10/11/17 13:01	10/11/17 15:56	1
Method: 8015B - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		11	5.3	mg/Kg		10/10/17 16:47	10/12/17 06:21	1
C23-C40	ND		11	5.3	mg/Kg		10/10/17 16:47	10/12/17 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	97		40 - 140				10/10/17 16:47	10/12/17 06:21	1

Client Sample ID: SB3-5

Date Collected: 10/05/17 13:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-10

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1,1-Trichloroethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1,2,2-Tetrachloroethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1,2-Trichloroethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1-Dichloroethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1-Dichloroethene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,1-Dichloropropene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2,3-Trichlorobenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2,3-Trichloropropane	ND		13	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2,4-Trichlorobenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2,4-Trimethylbenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2-Dibromo-3-Chloropropane	ND		6.6	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2-Dibromoethane (EDB)	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2-Dichlorobenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2-Dichloroethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,2-Dichloropropane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,3,5-Trimethylbenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,3-Dichlorobenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,3-Dichloropropane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
1,4-Dichlorobenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
2,2-Dichloropropane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
2-Chlorotoluene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
4-Chlorotoluene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Benzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Bromobenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Bromochloromethane	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Bromodichloromethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Bromoform	ND		6.6	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Bromomethane	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Carbon tetrachloride	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Chlorobenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Chloroethane	ND		6.6	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Chloroform	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Chloromethane	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
cis-1,2-Dichloroethene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB3-5

Date Collected: 10/05/17 13:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-10

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Dibromochloromethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Dibromomethane	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Dichlorodifluoromethane	ND		6.6	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Isopropyl Ether (DIPE)	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Ethanol	ND		390	130	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Ethyl-t-butyl ether (ETBE)	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Ethylbenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Hexachlorobutadiene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Isopropylbenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
m,p-Xylene	ND		5.3	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Methylene Chloride	ND		26	6.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Methyl-t-Butyl Ether (MTBE)	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Naphthalene	ND		6.6	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
n-Butylbenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
N-Propylbenzene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
o-Xylene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
sec-Butylbenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Styrene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Tert-amyl-methyl ether (TAME)	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
tert-Butyl alcohol (TBA)	ND		130	13	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
tert-Butylbenzene	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Tetrachloroethene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Toluene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
trans-1,2-Dichloroethene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
trans-1,3-Dichloropropene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Trichloroethene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Trichlorofluoromethane	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Vinyl chloride	ND		6.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
Xylenes, Total	ND		5.3	2.6	ug/Kg		10/11/17 09:48	10/11/17 16:19	1
p-Isopropyltoluene	ND		2.6	1.3	ug/Kg		10/11/17 09:48	10/11/17 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123	10/11/17 09:48	10/11/17 16:19	1
4-Bromofluorobenzene (Surr)	111		79 - 120	10/11/17 09:48	10/11/17 16:19	1
Dibromofluoromethane (Surr)	111		60 - 120	10/11/17 09:48	10/11/17 16:19	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		360	140	ug/Kg		10/11/17 13:01	10/11/17 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		65 - 140	10/11/17 13:01	10/11/17 16:24	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	19		10	5.2	mg/Kg		10/10/17 16:47	10/16/17 10:32	1
C23-C40	220		10	5.2	mg/Kg		10/10/17 16:47	10/16/17 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	56		40 - 140	10/10/17 16:47	10/16/17 10:32	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Arsenic	4.0		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Barium	89		1.5	0.75	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Beryllium	0.79		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Cadmium	0.36	J	0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Chromium	26		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Cobalt	7.4		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Copper	25		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Lead	15		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Nickel	18		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Vanadium	40		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Zinc	60		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 20:58	5
Silver	ND		1.5	0.89	mg/Kg		10/10/17 08:49	10/10/17 20:58	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:55	1

Client Sample ID: SB3-10

Lab Sample ID: 440-193786-11

Date Collected: 10/05/17 13:17

Matrix: Solid

Date Received: 10/06/17 18:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Benzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Bromobenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Bromochloromethane	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB3-10

Date Collected: 10/05/17 13:17

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-11

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Bromomethane	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Chlorobenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Chloroethane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Chloroform	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Chloromethane	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Dibromomethane	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Ethanol	ND		300	100	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Ethylbenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
m,p-Xylene	ND		4.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Methylene Chloride	ND		20	5.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Naphthalene	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
o-Xylene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Styrene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Toluene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Trichloroethene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Vinyl chloride	ND		5.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
Xylenes, Total	ND		4.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg		10/11/17 09:48	10/11/17 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123	10/11/17 09:48	10/11/17 16:46	1
4-Bromofluorobenzene (Surr)	109		79 - 120	10/11/17 09:48	10/11/17 16:46	1
Dibromofluoromethane (Surr)	110		60 - 120	10/11/17 09:48	10/11/17 16:46	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		430	160	ug/Kg		10/11/17 13:01	10/11/17 16:52	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB3-10

Date Collected: 10/05/17 13:17

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-11

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		65 - 140				10/11/17 13:01	10/11/17 16:52	1
Method: 8015B - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		11	5.3	mg/Kg		10/10/17 16:47	10/12/17 09:29	1
C23-C40	5.9	J	11	5.3	mg/Kg		10/10/17 16:47	10/12/17 09:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	85		40 - 140				10/10/17 16:47	10/12/17 09:29	1

Client Sample ID: SB3-2

Date Collected: 10/05/17 13:10

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-13

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1,1-Trichloroethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1,2,2-Tetrachloroethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1,2-Trichloroethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1-Dichloroethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1-Dichloroethene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,1-Dichloropropene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2,3-Trichlorobenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2,3-Trichloropropane	ND		18	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2,4-Trichlorobenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2,4-Trimethylbenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2-Dibromo-3-Chloropropane	ND		8.9	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2-Dibromoethane (EDB)	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2-Dichlorobenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2-Dichloroethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,2-Dichloropropane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,3,5-Trimethylbenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,3-Dichlorobenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,3-Dichloropropane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
1,4-Dichlorobenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
2,2-Dichloropropane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
2-Chlorotoluene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
4-Chlorotoluene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Benzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Bromobenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Bromochloromethane	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Bromodichloromethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Bromoform	ND		8.9	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Bromomethane	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Carbon tetrachloride	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Chlorobenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Chloroethane	ND		8.9	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Chloroform	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Chloromethane	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
cis-1,2-Dichloroethene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB3-2

Date Collected: 10/05/17 13:10

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-13

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Dibromochloromethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Dibromomethane	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Dichlorodifluoromethane	ND		8.9	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Isopropyl Ether (DIPE)	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Ethanol	ND		540	180	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Ethyl-t-butyl ether (ETBE)	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Ethylbenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Hexachlorobutadiene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Isopropylbenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
m,p-Xylene	ND		7.1	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Methylene Chloride	ND		36	8.9	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Methyl-t-Butyl Ether (MTBE)	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Naphthalene	ND		8.9	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
n-Butylbenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
N-Propylbenzene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
o-Xylene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
sec-Butylbenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Styrene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Tert-amyl-methyl ether (TAME)	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
tert-Butyl alcohol (TBA)	ND		180	18	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
tert-Butylbenzene	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Tetrachloroethene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Toluene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
trans-1,2-Dichloroethene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
trans-1,3-Dichloropropene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Trichloroethene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Trichlorofluoromethane	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Vinyl chloride	ND		8.9	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
Xylenes, Total	ND		7.1	3.6	ug/Kg		10/11/17 09:48	10/11/17 16:24	1
p-Isopropyltoluene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		79 - 123	10/11/17 09:48	10/11/17 16:24	1
4-Bromofluorobenzene (Surr)	111		79 - 120	10/11/17 09:48	10/11/17 16:24	1
Dibromofluoromethane (Surr)	106		60 - 120	10/11/17 09:48	10/11/17 16:24	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		410	150	ug/Kg		10/11/17 13:01	10/11/17 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	X	65 - 140	10/11/17 13:01	10/11/17 17:20	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	90		21	10	mg/Kg		10/10/17 16:47	10/13/17 23:36	1
C23-C40	240		21	10	mg/Kg		10/10/17 16:47	10/13/17 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	58		40 - 140	10/10/17 16:47	10/13/17 23:36	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Arsenic	5.1		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Barium	190		1.5	0.75	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Beryllium	0.81		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Cadmium	0.59		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Chromium	23		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Cobalt	7.5		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Copper	32		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Lead	69		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Nickel	19		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Vanadium	35		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Zinc	280		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:01	5
Silver	ND		1.5	0.89	mg/Kg		10/10/17 08:49	10/10/17 21:01	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:10	1

Client Sample ID: SB4-2

Lab Sample ID: 440-193786-14

Date Collected: 10/05/17 14:30

Matrix: Solid

Date Received: 10/06/17 18:35

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1,1-Trichloroethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1,2,2-Tetrachloroethane	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1,2-Trichloroethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1-Dichloroethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1-Dichloroethene	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,1-Dichloropropene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2,3-Trichlorobenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2,3-Trichloropropane	ND *		9.5	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2,4-Trichlorobenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2,4-Trimethylbenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2-Dibromo-3-Chloropropane	ND *		4.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2-Dibromoethane (EDB)	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2-Dichlorobenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2-Dichloroethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,2-Dichloropropane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,3,5-Trimethylbenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,3-Dichlorobenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,3-Dichloropropane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
1,4-Dichlorobenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
2,2-Dichloropropane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
2-Chlorotoluene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
4-Chlorotoluene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Benzene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Bromobenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Bromochloromethane	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Bromodichloromethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB4-2

Date Collected: 10/05/17 14:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-14

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Bromomethane	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Carbon tetrachloride	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Chlorobenzene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Chloroethane	ND		4.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Chloroform	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Chloromethane	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
cis-1,2-Dichloroethene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
cis-1,3-Dichloropropene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Dibromochloromethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Dibromomethane	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Dichlorodifluoromethane	ND		4.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Isopropyl Ether (DIPE)	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Ethanol	ND		290	95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Ethyl-t-butyl ether (ETBE)	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Ethylbenzene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Hexachlorobutadiene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Isopropylbenzene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
m,p-Xylene	ND		3.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Methylene Chloride	ND		19	4.8	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Methyl-t-Butyl Ether (MTBE)	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Naphthalene	ND *		4.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
n-Butylbenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
N-Propylbenzene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
o-Xylene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
sec-Butylbenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Styrene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Tert-amyl-methyl ether (TAME)	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
tert-Butyl alcohol (TBA)	ND		95	9.5	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
tert-Butylbenzene	ND *		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Tetrachloroethene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Toluene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
trans-1,2-Dichloroethene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
trans-1,3-Dichloropropene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Trichloroethene	ND		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Trichlorofluoromethane	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Vinyl chloride	ND		4.8	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
Xylenes, Total	ND		3.8	1.9	ug/Kg		10/12/17 09:47	10/12/17 15:46	1
p-Isopropyltoluene	ND *		1.9	0.95	ug/Kg		10/12/17 09:47	10/12/17 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		79 - 123	10/12/17 09:47	10/12/17 15:46	1
4-Bromofluorobenzene (Surr)	121	X *	79 - 120	10/12/17 09:47	10/12/17 15:46	1
Dibromofluoromethane (Surr)	125	X	60 - 120	10/12/17 09:47	10/12/17 15:46	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		440	170	ug/Kg		10/11/17 13:01	10/11/17 17:48	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB4-2

Date Collected: 10/05/17 14:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-14

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	48	X	65 - 140	10/11/17 13:01	10/11/17 17:48	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	460		100	52	mg/Kg	-	10/10/17 16:47	10/16/17 12:16	5
C23-C40	1400		100	52	mg/Kg	-	10/10/17 16:47	10/16/17 12:16	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	105		40 - 140	10/10/17 16:47	10/16/17 12:16	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Arsenic	4.9		3.0	1.5	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Barium	120		1.5	0.75	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Beryllium	0.65		0.50	0.25	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Cadmium	0.53		0.50	0.25	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Chromium	19		1.0	0.50	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Cobalt	7.6		1.0	0.50	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Copper	97		2.0	1.1	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Lead	67		2.0	1.0	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Molybdenum	ND		2.0	1.0	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Nickel	19		2.0	1.0	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Selenium	ND		3.0	1.7	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Thallium	ND		10	5.0	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Vanadium	34		1.0	0.50	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Zinc	220		5.0	2.5	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5
Silver	ND		1.5	0.89	mg/Kg	-	10/10/17 08:49	10/10/17 21:07	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.020	0.012	mg/Kg	-	10/13/17 19:46	10/16/17 23:07	1

Client Sample ID: SB2-1

Date Collected: 10/05/17 14:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-15

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.5	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1,1-Trichloroethane	ND		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1,2,2-Tetrachloroethane	ND *		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1,2-Trichloroethane	ND		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1-Dichloroethane	ND		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1-Dichloroethene	ND		3.5	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,1-Dichloropropene	ND		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,2,3-Trichlorobenzene	ND *		3.5	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,2,3-Trichloropropane	ND *		7.1	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,2,4-Trichlorobenzene	ND *		3.5	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,2,4-Trimethylbenzene	ND *		1.4	0.71	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1
1,2-Dibromo-3-Chloropropane	ND *		3.5	1.4	ug/Kg	-	10/11/17 09:48	10/11/17 17:16	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-1

Date Collected: 10/05/17 14:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-15

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,2-Dichlorobenzene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,2-Dichloroethane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,2-Dichloropropane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,3,5-Trimethylbenzene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,3-Dichlorobenzene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,3-Dichloropropane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
1,4-Dichlorobenzene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
2,2-Dichloropropane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
2-Chlorotoluene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
4-Chlorotoluene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Benzene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Bromobenzene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Bromochloromethane	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Bromodichloromethane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Bromoform	ND		3.5	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Bromomethane	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Carbon tetrachloride	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Chlorobenzene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Chloroethane	ND		3.5	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Chloroform	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Chloromethane	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
cis-1,2-Dichloroethene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
cis-1,3-Dichloropropene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Dibromochloromethane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Dibromomethane	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Dichlorodifluoromethane	ND		3.5	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Isopropyl Ether (DIPE)	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Ethanol	ND		210	71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Ethyl-t-butyl ether (ETBE)	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Ethylbenzene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Hexachlorobutadiene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Isopropylbenzene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
m,p-Xylene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Methylene Chloride	ND		14	3.5	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Methyl-t-Butyl Ether (MTBE)	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Naphthalene	ND	*	3.5	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
n-Butylbenzene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
N-Propylbenzene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
o-Xylene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
sec-Butylbenzene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Styrene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Tert-amyl-methyl ether (TAME)	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
tert-Butyl alcohol (TBA)	ND		71	7.1	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
tert-Butylbenzene	ND	*	3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Tetrachloroethene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Toluene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
trans-1,2-Dichloroethene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
trans-1,3-Dichloropropene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-1

Date Collected: 10/05/17 14:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-15

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Trichlorofluoromethane	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Vinyl chloride	ND		3.5	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
Xylenes, Total	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 17:16	1
p-Isopropyltoluene	ND	*	1.4	0.71	ug/Kg		10/11/17 09:48	10/11/17 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		79 - 123	10/11/17 09:48	10/11/17 17:16	1
4-Bromofluorobenzene (Surr)	105	*	79 - 120	10/11/17 09:48	10/11/17 17:16	1
Dibromofluoromethane (Surr)	99		60 - 120	10/11/17 09:48	10/11/17 17:16	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		510	190	ug/Kg		10/12/17 09:12	10/12/17 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		65 - 140	10/12/17 09:12	10/12/17 11:13	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.0	mg/Kg		10/10/17 16:47	10/11/17 20:30	1
C23-C40	9.0	J	10	5.0	mg/Kg		10/10/17 16:47	10/11/17 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	72		40 - 140	10/10/17 16:47	10/11/17 20:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Arsenic	2.8	J	3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Barium	150		1.5	0.74	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Beryllium	0.78		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Chromium	21		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Cobalt	7.8		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Copper	14		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Lead	5.3		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Nickel	14		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Vanadium	34		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Zinc	37		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:09	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 21:09	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:13	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-5

Date Collected: 10/05/17 13:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-16

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1,1-Trichloroethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1,2-Trichloroethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1-Dichloroethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1-Dichloroethene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,1-Dichloropropene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2,3-Trichlorobenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2,3-Trichloropropane	ND		9.4	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2,4-Trichlorobenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2,4-Trimethylbenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2-Dibromo-3-Chloropropane	ND		4.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2-Dibromoethane (EDB)	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2-Dichlorobenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2-Dichloroethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,2-Dichloropropane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,3,5-Trimethylbenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,3-Dichlorobenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,3-Dichloropropane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
1,4-Dichlorobenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
2,2-Dichloropropane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
2-Chlorotoluene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
4-Chlorotoluene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Benzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Bromobenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Bromochloromethane	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Bromodichloromethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Bromoform	ND		4.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Bromomethane	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Carbon tetrachloride	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Chlorobenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Chloroethane	ND		4.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Chloroform	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Chloromethane	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
cis-1,2-Dichloroethene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
cis-1,3-Dichloropropene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Dibromochloromethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Dibromomethane	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Dichlorodifluoromethane	ND		4.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Isopropyl Ether (DIPE)	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Ethanol	ND		280	94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Ethyl-t-butyl ether (ETBE)	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Ethylbenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Hexachlorobutadiene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Isopropylbenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
m,p-Xylene	ND		3.8	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Methylene Chloride	ND		19	4.7	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Methyl-t-Butyl Ether (MTBE)	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Naphthalene	ND		4.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-5

Date Collected: 10/05/17 13:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-16

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
N-Propylbenzene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
o-Xylene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
sec-Butylbenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Styrene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Tert-amyl-methyl ether (TAME)	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
tert-Butyl alcohol (TBA)	ND		94	9.4	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
tert-Butylbenzene	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Tetrachloroethene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Toluene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
trans-1,2-Dichloroethene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
trans-1,3-Dichloropropene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Trichloroethene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Trichlorofluoromethane	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Vinyl chloride	ND		4.7	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
Xylenes, Total	ND		3.8	1.9	ug/Kg		10/11/17 09:48	10/11/17 17:43	1
p-Isopropyltoluene	ND		1.9	0.94	ug/Kg		10/11/17 09:48	10/11/17 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		79 - 123	10/11/17 09:48	10/11/17 17:43	1
4-Bromofluorobenzene (Surr)	100		79 - 120	10/11/17 09:48	10/11/17 17:43	1
Dibromofluoromethane (Surr)	104		60 - 120	10/11/17 09:48	10/11/17 17:43	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	120	ug/Kg		10/11/17 13:01	10/11/17 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		65 - 140	10/11/17 13:01	10/11/17 18:43	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		11	5.4	mg/Kg		10/10/17 16:47	10/12/17 06:43	1
C23-C40	ND		11	5.4	mg/Kg		10/10/17 16:47	10/12/17 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	59		40 - 140	10/10/17 16:47	10/12/17 06:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Arsenic	5.2		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Barium	1300		1.5	0.75	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Beryllium	1.3		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Cadmium	0.26 J		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Chromium	33		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Cobalt	7.3		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Copper	25		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Lead	6.4		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Nickel	28		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:12	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-5

Date Collected: 10/05/17 13:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-16

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Vanadium	45		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Zinc	54		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:12	5
Silver	ND		1.5	0.89	mg/Kg		10/10/17 08:49	10/10/17 21:12	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:36	1

Client Sample ID: SB2-10

Date Collected: 10/05/17 13:56

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-17

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1,1-Trichloroethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1,2,2-Tetrachloroethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1,2-Trichloroethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1-Dichloroethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1-Dichloroethene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,1-Dichloropropene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2,3-Trichlorobenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2,3-Trichloropropane	ND		9.1	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2,4-Trichlorobenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2,4-Trimethylbenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2-Dibromo-3-Chloropropane	ND		4.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2-Dibromoethane (EDB)	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2-Dichlorobenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2-Dichloroethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,2-Dichloropropane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,3,5-Trimethylbenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,3-Dichlorobenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,3-Dichloropropane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
1,4-Dichlorobenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
2,2-Dichloropropane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
2-Chlorotoluene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
4-Chlorotoluene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Benzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Bromobenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Bromochloromethane	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Bromodichloromethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Bromoform	ND		4.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Bromomethane	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Carbon tetrachloride	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Chlorobenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Chloroethane	ND		4.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Chloroform	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Chloromethane	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-10

Date Collected: 10/05/17 13:56

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-17

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
cis-1,3-Dichloropropene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Dibromochloromethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Dibromomethane	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Dichlorodifluoromethane	ND		4.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Isopropyl Ether (DIPE)	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Ethanol	ND		270	91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Ethyl-t-butyl ether (ETBE)	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Ethylbenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Hexachlorobutadiene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Isopropylbenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
m,p-Xylene	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Methylene Chloride	ND		18	4.5	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Methyl-t-Butyl Ether (MTBE)	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Naphthalene	ND		4.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
n-Butylbenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
N-Propylbenzene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
o-Xylene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
sec-Butylbenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Styrene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Tert-amyl-methyl ether (TAME)	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
tert-Butyl alcohol (TBA)	ND		91	9.1	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
tert-Butylbenzene	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Tetrachloroethene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Toluene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
trans-1,2-Dichloroethene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
trans-1,3-Dichloropropene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Trichloroethene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Trichlorofluoromethane	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Vinyl chloride	ND		4.5	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
Xylenes, Total	ND		3.6	1.8	ug/Kg		10/11/17 09:48	10/11/17 22:31	1
p-Isopropyltoluene	ND		1.8	0.91	ug/Kg		10/11/17 09:48	10/11/17 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		79 - 123	10/11/17 09:48	10/11/17 22:31	1
4-Bromofluorobenzene (Surr)	96		79 - 120	10/11/17 09:48	10/11/17 22:31	1
Dibromofluoromethane (Surr)	88		60 - 120	10/11/17 09:48	10/11/17 22:31	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		370	140	ug/Kg		10/11/17 13:01	10/11/17 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		65 - 140	10/11/17 13:01	10/11/17 19:11	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	2.6	J	5.0	2.5	mg/Kg		10/10/17 16:47	10/12/17 08:29	1
C23-C40	ND		5.0	2.5	mg/Kg		10/10/17 16:47	10/12/17 08:29	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-10

Date Collected: 10/05/17 13:56

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-17

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	70		40 - 140	10/10/17 16:47	10/12/17 08:29	1

Client Sample ID: SB1-1

Date Collected: 10/05/17 15:01

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-19

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1,1-Trichloroethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1,2,2-Tetrachloroethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1,2-Trichloroethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1-Dichloroethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1-Dichloroethene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,1-Dichloropropene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2,3-Trichlorobenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2,3-Trichloropropane	ND		23	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2,4-Trichlorobenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2,4-Trimethylbenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2-Dibromo-3-Chloropropane	ND		11	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2-Dibromoethane (EDB)	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2-Dichlorobenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2-Dichloroethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,2-Dichloropropane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,3,5-Trimethylbenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,3-Dichlorobenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,3-Dichloropropane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
1,4-Dichlorobenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
2,2-Dichloropropane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
2-Chlorotoluene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
4-Chlorotoluene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Benzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Bromobenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Bromochloromethane	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Bromodichloromethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Bromoform	ND		11	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Bromomethane	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Carbon tetrachloride	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Chlorobenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Chloroethane	ND		11	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Chloroform	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Chloromethane	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
cis-1,2-Dichloroethene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
cis-1,3-Dichloropropene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Dibromochloromethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Dibromomethane	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Dichlorodifluoromethane	ND		11	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Isopropyl Ether (DIPE)	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Ethanol	ND		680	230	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Ethyl-t-butyl ether (ETBE)	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-1

Date Collected: 10/05/17 15:01

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-19

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Hexachlorobutadiene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Isopropylbenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
m,p-Xylene	ND		9.0	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Methylene Chloride	ND		45	11	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Methyl-t-Butyl Ether (MTBE)	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Naphthalene	ND		11	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
n-Butylbenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
N-Propylbenzene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
o-Xylene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
sec-Butylbenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Styrene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Tert-amyl-methyl ether (TAME)	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
tert-Butyl alcohol (TBA)	ND		230	23	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
tert-Butylbenzene	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Tetrachloroethene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Toluene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
trans-1,2-Dichloroethene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
trans-1,3-Dichloropropene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Trichloroethene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Trichlorofluoromethane	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Vinyl chloride	ND		11	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
Xylenes, Total	ND		9.0	4.5	ug/Kg		10/11/17 09:48	10/11/17 17:14	1
p-Isopropyltoluene	ND		4.5	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		79 - 123	10/11/17 09:48	10/11/17 17:14	1
4-Bromofluorobenzene (Surr)	112		79 - 120	10/11/17 09:48	10/11/17 17:14	1
Dibromofluoromethane (Surr)	110		60 - 120	10/11/17 09:48	10/11/17 17:14	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		440	170	ug/Kg		10/11/17 13:01	10/11/17 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		65 - 140	10/11/17 13:01	10/11/17 19:39	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	16		4.9	2.5	mg/Kg		10/10/17 16:47	10/12/17 08:50	1
C23-C40	66		4.9	2.5	mg/Kg		10/10/17 16:47	10/12/17 08:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	76		40 - 140	10/10/17 16:47	10/12/17 08:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Arsenic	3.2		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Barium	90		1.5	0.75	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Beryllium	0.61		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:14	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-1

Date Collected: 10/05/17 15:01

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-19

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.88		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Chromium	18		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Cobalt	7.8		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Copper	18		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Lead	11		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Nickel	15		2.0	1.0	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Vanadium	33		1.0	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Zinc	250		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:14	5
Silver	ND		1.5	0.89	mg/Kg		10/10/17 08:49	10/10/17 21:14	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.054		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:26	1

Client Sample ID: SB1-5

Date Collected: 10/05/17 15:10

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-20

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1,1-Trichloroethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1,2,2-Tetrachloroethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1,2-Trichloroethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1-Dichloroethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1-Dichloroethene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,1-Dichloropropene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2,3-Trichloropropane	ND		12	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2,4-Trimethylbenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2-Dibromoethane (EDB)	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2-Dichlorobenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2-Dichloroethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,2-Dichloropropane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,3,5-Trimethylbenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,3-Dichlorobenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,3-Dichloropropane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
1,4-Dichlorobenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
2,2-Dichloropropane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
2-Chlorotoluene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
4-Chlorotoluene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Benzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Bromobenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Bromochloromethane	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Bromodichloromethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-5
Date Collected: 10/05/17 15:10
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-20
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.8	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Bromomethane	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Carbon tetrachloride	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Chlorobenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Chloroethane	ND		5.8	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Chloroform	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Chloromethane	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
cis-1,2-Dichloroethene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
cis-1,3-Dichloropropene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Dibromochloromethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Dibromomethane	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Dichlorodifluoromethane	ND		5.8	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Isopropyl Ether (DIPE)	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Ethanol	ND		350	120	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Ethyl-t-butyl ether (ETBE)	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Ethylbenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Hexachlorobutadiene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Isopropylbenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
m,p-Xylene	ND		4.7	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Methylene Chloride	ND		23	5.8	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Methyl-t-Butyl Ether (MTBE)	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Naphthalene	ND		5.8	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
n-Butylbenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
N-Propylbenzene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
o-Xylene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
sec-Butylbenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Styrene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Tert-amyl-methyl ether (TAME)	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
tert-Butyl alcohol (TBA)	ND		120	12	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
tert-Butylbenzene	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Tetrachloroethene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Toluene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
trans-1,2-Dichloroethene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
trans-1,3-Dichloropropene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Trichloroethene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Trichlorofluoromethane	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Vinyl chloride	ND		5.8	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
Xylenes, Total	ND		4.7	2.3	ug/Kg		10/11/17 09:48	10/11/17 17:42	1
p-Isopropyltoluene	ND		2.3	1.2	ug/Kg		10/11/17 09:48	10/11/17 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123	10/11/17 09:48	10/11/17 17:42	1
4-Bromofluorobenzene (Surr)	108		79 - 120	10/11/17 09:48	10/11/17 17:42	1
Dibromofluoromethane (Surr)	112		60 - 120	10/11/17 09:48	10/11/17 17:42	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		310	120	ug/Kg		10/11/17 13:01	10/11/17 20:06	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-5
Date Collected: 10/05/17 15:10
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-20
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		65 - 140	10/11/17 13:01	10/11/17 20:06	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg		10/10/17 16:47	10/11/17 22:26	1
C23-C40	25		10	5.1	mg/Kg		10/10/17 16:47	10/11/17 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	63		40 - 140	10/10/17 16:47	10/11/17 22:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Arsenic	2.7	J	3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Barium	78		1.5	0.74	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Beryllium	0.78		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Chromium	21		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Cobalt	8.6		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Copper	17		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Lead	4.6		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Nickel	17		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Vanadium	37		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Zinc	40		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:16	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 21:16	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:03	1

Client Sample ID: SB1-10
Date Collected: 10/05/17 15:16
Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-21
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1,1-Trichloroethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1,2,2-Tetrachloroethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1,2-Trichloroethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1-Dichloroethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1-Dichloroethene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,1-Dichloropropene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2,3-Trichlorobenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2,3-Trichloropropane	ND		8.9	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2,4-Trichlorobenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2,4-Trimethylbenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2-Dibromo-3-Chloropropane	ND		4.4	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-10

Date Collected: 10/05/17 15:16

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-21

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2-Dichlorobenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2-Dichloroethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,2-Dichloropropane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,3,5-Trimethylbenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,3-Dichlorobenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,3-Dichloropropane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
1,4-Dichlorobenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
2,2-Dichloropropane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
2-Chlorotoluene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
4-Chlorotoluene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Benzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Bromobenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Bromochloromethane	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Bromodichloromethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Bromoform	ND		4.4	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Bromomethane	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Carbon tetrachloride	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Chlorobenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Chloroethane	ND		4.4	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Chloroform	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Chloromethane	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
cis-1,2-Dichloroethene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
cis-1,3-Dichloropropene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Dibromochloromethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Dibromomethane	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Dichlorodifluoromethane	ND		4.4	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Isopropyl Ether (DIPE)	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Ethanol	ND		270	89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Ethyl-t-butyl ether (ETBE)	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Ethylbenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Hexachlorobutadiene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Isopropylbenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
m,p-Xylene	ND		3.5	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Methylene Chloride	ND		18	4.4	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Methyl-t-Butyl Ether (MTBE)	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Naphthalene	ND		4.4	1.8	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
n-Butylbenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
N-Propylbenzene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
o-Xylene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
sec-Butylbenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Styrene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Tert-amyl-methyl ether (TAME)	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
tert-Butyl alcohol (TBA)	ND		89	8.9	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
tert-Butylbenzene	ND		4.4	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Tetrachloroethene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
Toluene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
trans-1,2-Dichloroethene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1
trans-1,3-Dichloropropene	ND		1.8	0.89	ug/Kg		10/11/17 09:48	10/11/17 18:10	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-10

Date Collected: 10/05/17 15:16

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-21

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.8	0.89	ug/Kg	-	10/11/17 09:48	10/11/17 18:10	1
Trichlorofluoromethane	ND		4.4	0.89	ug/Kg	-	10/11/17 09:48	10/11/17 18:10	1
Vinyl chloride	ND		4.4	0.89	ug/Kg	-	10/11/17 09:48	10/11/17 18:10	1
Xylenes, Total	ND		3.5	1.8	ug/Kg	-	10/11/17 09:48	10/11/17 18:10	1
p-Isopropyltoluene	ND		1.8	0.89	ug/Kg	-	10/11/17 09:48	10/11/17 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123				10/11/17 09:48	10/11/17 18:10	1
4-Bromofluorobenzene (Surr)	107		79 - 120				10/11/17 09:48	10/11/17 18:10	1
Dibromofluoromethane (Surr)	113		60 - 120				10/11/17 09:48	10/11/17 18:10	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350	130	ug/Kg	-	10/11/17 13:01	10/11/17 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		65 - 140				10/11/17 13:01	10/11/17 21:43	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg	-	10/10/17 16:47	10/11/17 22:06	1
C23-C40	7.8	J	10	5.1	mg/Kg	-	10/10/17 16:47	10/11/17 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	81		40 - 140				10/10/17 16:47	10/11/17 22:06	1

Client Sample ID: SB7-1

Date Collected: 10/05/17 15:41

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-23

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		8.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1,1-Trichloroethane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1,1,2-Tetrachloroethane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1,2-Trichloroethane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1-Dichloroethane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1-Dichloroethene	ND		8.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,1-Dichloropropene	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2,3-Trichlorobenzene	ND		8.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2,3-Trichloropropane	ND		17	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2,4-Trichlorobenzene	ND		8.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2,4-Trimethylbenzene	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2-Dibromo-3-Chloropropane	ND		8.3	3.3	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2-Dibromoethane (EDB)	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2-Dichlorobenzene	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2-Dichloroethane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,2-Dichloropropane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,3,5-Trimethylbenzene	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,3-Dichlorobenzene	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1
1,3-Dichloropropane	ND		3.3	1.7	ug/Kg	-	10/12/17 21:25	10/12/17 21:57	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-1

Date Collected: 10/05/17 15:41

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-23

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
2,2-Dichloropropane	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
2-Chlorotoluene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
4-Chlorotoluene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Benzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Bromobenzene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Bromochloromethane	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Bromodichloromethane	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Bromoform	ND		8.3	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Bromomethane	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Carbon tetrachloride	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Chlorobenzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Chloroethane	ND		8.3	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Chloroform	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Chloromethane	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
cis-1,2-Dichloroethene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
cis-1,3-Dichloropropene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Dibromochloromethane	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Dibromomethane	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Dichlorodifluoromethane	ND		8.3	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Isopropyl Ether (DIPE)	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Ethanol	ND		500	170	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Ethyl-t-butyl ether (ETBE)	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Ethylbenzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Hexachlorobutadiene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Isopropylbenzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
m,p-Xylene	ND		6.6	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Methylene Chloride	ND		33	8.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Methyl-t-Butyl Ether (MTBE)	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Naphthalene	ND		8.3	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
n-Butylbenzene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
N-Propylbenzene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
o-Xylene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
sec-Butylbenzene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Styrene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Tert-amyl-methyl ether (TAME)	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
tert-Butyl alcohol (TBA)	ND		170	17	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
tert-Butylbenzene	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Tetrachloroethene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Toluene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
trans-1,2-Dichloroethene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
trans-1,3-Dichloropropene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Trichloroethene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Trichlorofluoromethane	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Vinyl chloride	ND		8.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
Xylenes, Total	ND		6.6	3.3	ug/Kg		10/12/17 21:25	10/12/17 21:57	1
p-Isopropyltoluene	ND		3.3	1.7	ug/Kg		10/12/17 21:25	10/12/17 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	120		79 - 123	10/12/17 21:25	10/12/17 21:57	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-1

Date Collected: 10/05/17 15:41

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-23

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		79 - 120	10/12/17 21:25	10/12/17 21:57	1
Dibromofluoromethane (Surr)	93		60 - 120	10/12/17 21:25	10/12/17 21:57	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		420	160	ug/Kg		10/12/17 09:12	10/12/17 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		65 - 140	10/12/17 09:12	10/12/17 11:41	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	45		11	5.3	mg/Kg		10/10/17 16:47	10/11/17 22:46	1
C23-C40	200		11	5.3	mg/Kg		10/10/17 16:47	10/11/17 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	66		40 - 140	10/10/17 16:47	10/11/17 22:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Arsenic	4.5		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Barium	160		1.5	0.74	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Beryllium	0.78		0.49	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Cadmium	0.96		0.49	0.25	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Chromium	21		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Cobalt	7.5		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Copper	35		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Lead	120		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Nickel	23		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Thallium	ND		9.9	4.9	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Vanadium	39		0.99	0.49	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Zinc	350		4.9	2.5	mg/Kg		10/10/17 08:49	10/10/17 21:18	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 21:18	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:52	1

Client Sample ID: SB7-5

Date Collected: 10/05/17 15:48

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-24

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,1,1-Trichloroethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,1,2-Trichloroethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-5

Date Collected: 10/05/17 15:48

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-24

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,1-Dichloroethene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,1-Dichloropropene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2,3-Trichlorobenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2,3-Trichloropropane	ND		7.2	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2,4-Trichlorobenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2,4-Trimethylbenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2-Dibromo-3-Chloropropane	ND		3.6	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2-Dibromoethane (EDB)	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2-Dichlorobenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2-Dichloroethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,2-Dichloropropane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,3,5-Trimethylbenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,3-Dichlorobenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,3-Dichloropropane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
1,4-Dichlorobenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
2,2-Dichloropropane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
2-Chlorotoluene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
4-Chlorotoluene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Benzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Bromobenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Bromochloromethane	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Bromodichloromethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Bromoform	ND		3.6	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Bromomethane	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Carbon tetrachloride	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Chlorobenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Chloroethane	ND		3.6	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Chloroform	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Chloromethane	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
cis-1,2-Dichloroethene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
cis-1,3-Dichloropropene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Dibromochloromethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Dibromomethane	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Dichlorodifluoromethane	ND		3.6	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Isopropyl Ether (DIPE)	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Ethanol	ND		210	72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Ethyl-t-butyl ether (ETBE)	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Ethylbenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Hexachlorobutadiene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Isopropylbenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
m,p-Xylene	ND		2.9	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Methylene Chloride	ND		14	3.6	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Methyl-t-Butyl Ether (MTBE)	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Naphthalene	ND		3.6	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
n-Butylbenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
N-Propylbenzene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
o-Xylene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
sec-Butylbenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-5

Date Collected: 10/05/17 15:48

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-24

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Tert-amyl-methyl ether (TAME)	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
tert-Butyl alcohol (TBA)	ND		72	7.2	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
tert-Butylbenzene	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Tetrachloroethene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Toluene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
trans-1,2-Dichloroethene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
trans-1,3-Dichloropropene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Trichloroethene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Trichlorofluoromethane	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Vinyl chloride	ND		3.6	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
Xylenes, Total	ND		2.9	1.4	ug/Kg		10/12/17 21:25	10/12/17 22:25	1
p-Isopropyltoluene	ND		1.4	0.72	ug/Kg		10/12/17 21:25	10/12/17 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		79 - 123	10/12/17 21:25	10/12/17 22:25	1
4-Bromofluorobenzene (Surr)	104		79 - 120	10/12/17 21:25	10/12/17 22:25	1
Dibromofluoromethane (Surr)	93		60 - 120	10/12/17 21:25	10/12/17 22:25	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		300	110	ug/Kg		10/11/17 13:01	10/11/17 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	52	X	65 - 140	10/11/17 13:01	10/11/17 22:38	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	100		25	13	mg/Kg		10/10/17 16:47	10/12/17 10:12	1
C23-C40	320		25	13	mg/Kg		10/10/17 16:47	10/12/17 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	79		40 - 140	10/10/17 16:47	10/12/17 10:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	10	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Arsenic	3.5		3.0	1.5	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Barium	120	F1 F2	1.5	0.75	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Beryllium	0.75		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Chromium	22		1.0	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Cobalt	18		1.0	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Copper	13		2.0	1.1	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Lead	4.5		2.0	1.0	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Molybdenum	ND		2.0	1.0	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Nickel	18		2.0	1.0	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Thallium	ND		10	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Vanadium	34		1.0	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:28	5
Zinc	39		5.0	2.5	mg/Kg		10/10/17 11:01	10/10/17 21:28	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-5

Date Collected: 10/05/17 15:48

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-24

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5	0.89	mg/Kg		10/10/17 11:01	10/10/17 21:28	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:42	1

Client Sample ID: SB7-10

Date Collected: 10/05/17 15:53

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-25

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1,1-Trichloroethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1,2-Trichloroethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1-Dichloroethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1-Dichloroethene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,1-Dichloropropene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2,3-Trichlorobenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2,3-Trichloropropane	ND		8.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2,4-Trichlorobenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2,4-Trimethylbenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2-Dibromo-3-Chloropropane	ND		4.3	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2-Dibromoethane (EDB)	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2-Dichlorobenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2-Dichloroethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,2-Dichloropropane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,3,5-Trimethylbenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,3-Dichlorobenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,3-Dichloropropane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
1,4-Dichlorobenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
2,2-Dichloropropane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
2-Chlorotoluene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
4-Chlorotoluene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Benzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Bromobenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Bromochloromethane	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Bromodichloromethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Bromoform	ND		4.3	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Bromomethane	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Carbon tetrachloride	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Chlorobenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Chloroethane	ND		4.3	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Chloroform	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Chloromethane	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
cis-1,2-Dichloroethene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
cis-1,3-Dichloropropene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Dibromochloromethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Dibromomethane	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-10

Date Collected: 10/05/17 15:53

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-25

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.3	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Isopropyl Ether (DIPE)	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Ethanol	ND		260	87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Ethyl-t-butyl ether (ETBE)	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Ethylbenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Hexachlorobutadiene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Isopropylbenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
m,p-Xylene	ND		3.5	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Methylene Chloride	ND		17	4.3	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Methyl-t-Butyl Ether (MTBE)	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Naphthalene	ND		4.3	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
n-Butylbenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
N-Propylbenzene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
o-Xylene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
sec-Butylbenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Styrene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Tert-amyl-methyl ether (TAME)	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
tert-Butyl alcohol (TBA)	ND		87	8.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
tert-Butylbenzene	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Tetrachloroethene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Toluene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
trans-1,2-Dichloroethene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
trans-1,3-Dichloropropene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Trichloroethene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Trichlorofluoromethane	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Vinyl chloride	ND		4.3	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
Xylenes, Total	ND		3.5	1.7	ug/Kg		10/11/17 09:48	10/12/17 18:19	1
p-Isopropyltoluene	ND		1.7	0.87	ug/Kg		10/11/17 09:48	10/12/17 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123	10/11/17 09:48	10/12/17 18:19	1
4-Bromofluorobenzene (Surr)	108		79 - 120	10/11/17 09:48	10/12/17 18:19	1
Dibromofluoromethane (Surr)	126	X	60 - 120	10/11/17 09:48	10/12/17 18:19	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		710	270	ug/Kg		10/11/17 19:04	10/11/17 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		65 - 140	10/11/17 19:04	10/11/17 20:21	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg		10/10/17 16:47	10/12/17 07:03	1
C23-C40	ND		10	5.1	mg/Kg		10/10/17 16:47	10/12/17 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	97		40 - 140	10/10/17 16:47	10/12/17 07:03	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-1

Date Collected: 10/05/17 16:28

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-27

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1,1-Trichloroethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1,2-Trichloroethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1-Dichloroethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1-Dichloroethene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,1-Dichloropropene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2,3-Trichlorobenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2,3-Trichloropropane	ND		9.3	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2,4-Trichlorobenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2,4-Trimethylbenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2-Dibromo-3-Chloropropane	ND		4.6	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2-Dibromoethane (EDB)	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2-Dichlorobenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2-Dichloroethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,2-Dichloropropane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,3,5-Trimethylbenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,3-Dichlorobenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,3-Dichloropropane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
1,4-Dichlorobenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
2,2-Dichloropropane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
2-Chlorotoluene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
4-Chlorotoluene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Benzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Bromobenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Bromochloromethane	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Bromodichloromethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Bromoform	ND		4.6	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Bromomethane	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Carbon tetrachloride	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Chlorobenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Chloroethane	ND		4.6	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Chloroform	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Chloromethane	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
cis-1,2-Dichloroethene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
cis-1,3-Dichloropropene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Dibromochloromethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Dibromomethane	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Dichlorodifluoromethane	ND		4.6	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Isopropyl Ether (DIPE)	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Ethanol	ND		280	93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Ethyl-t-butyl ether (ETBE)	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Ethylbenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Hexachlorobutadiene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Isopropylbenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
m,p-Xylene	ND		3.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Methylene Chloride	ND		19	4.6	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Methyl-t-Butyl Ether (MTBE)	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Naphthalene	ND		4.6	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-1

Date Collected: 10/05/17 16:28

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-27

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
N-Propylbenzene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
o-Xylene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
sec-Butylbenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Styrene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Tert-amyl-methyl ether (TAME)	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
tert-Butyl alcohol (TBA)	ND		93	9.3	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
tert-Butylbenzene	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Tetrachloroethene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Toluene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
trans-1,2-Dichloroethene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
trans-1,3-Dichloropropene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Trichloroethene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Trichlorofluoromethane	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Vinyl chloride	ND		4.6	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
Xylenes, Total	ND		3.7	1.9	ug/Kg		10/11/17 09:48	10/11/17 10:39	1
p-Isopropyltoluene	ND		1.9	0.93	ug/Kg		10/11/17 09:48	10/11/17 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		79 - 123	10/11/17 09:48	10/11/17 10:39	1
4-Bromofluorobenzene (Surr)	103		79 - 120	10/11/17 09:48	10/11/17 10:39	1
Dibromofluoromethane (Surr)	105		60 - 120	10/11/17 09:48	10/11/17 10:39	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350	130	ug/Kg		10/11/17 19:04	10/11/17 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		65 - 140	10/11/17 19:04	10/11/17 20:49	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.2	mg/Kg		10/10/17 16:47	10/12/17 09:50	1
C23-C40	6.2	J	10	5.2	mg/Kg		10/10/17 16:47	10/12/17 09:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	88		40 - 140	10/10/17 16:47	10/12/17 09:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Arsenic	2.7	J	3.0	1.5	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Barium	87		1.5	0.74	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Beryllium	0.48	J	0.49	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Cadmium	ND		0.49	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Chromium	15		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Cobalt	7.2		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Copper	12		2.0	1.1	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Lead	4.6		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Nickel	10		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:39	5

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-1

Date Collected: 10/05/17 16:28

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-27

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Thallium	ND		9.9	4.9	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Vanadium	27		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Zinc	36		4.9	2.5	mg/Kg		10/10/17 11:01	10/10/17 21:39	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 11:01	10/10/17 21:39	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:49	1

Client Sample ID: SB8-5

Date Collected: 10/05/17 16:32

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-28

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1,1-Trichloroethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1,2,2-Tetrachloroethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1,2-Trichloroethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1-Dichloroethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1-Dichloroethene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,1-Dichloropropene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2,3-Trichlorobenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2,3-Trichloropropane	ND		14	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2,4-Trichlorobenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2,4-Trimethylbenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2-Dibromo-3-Chloropropane	ND		6.8	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2-Dibromoethane (EDB)	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2-Dichlorobenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2-Dichloroethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,2-Dichloropropane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,3,5-Trimethylbenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,3-Dichlorobenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,3-Dichloropropane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
1,4-Dichlorobenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
2,2-Dichloropropane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
2-Chlorotoluene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
4-Chlorotoluene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Benzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Bromobenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Bromochloromethane	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Bromodichloromethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Bromoform	ND		6.8	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Bromomethane	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Carbon tetrachloride	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Chlorobenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Chloroethane	ND		6.8	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Chloroform	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Chloromethane	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-5

Date Collected: 10/05/17 16:32

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-28

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
cis-1,3-Dichloropropene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Dibromochloromethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Dibromomethane	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Dichlorodifluoromethane	ND		6.8	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Isopropyl Ether (DIPE)	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Ethanol	ND		410	140	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Ethyl-t-butyl ether (ETBE)	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Ethylbenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Hexachlorobutadiene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Isopropylbenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
m,p-Xylene	ND		5.4	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Methylene Chloride	ND		27	6.8	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Methyl-t-Butyl Ether (MTBE)	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Naphthalene	ND		6.8	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
n-Butylbenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
N-Propylbenzene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
o-Xylene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
sec-Butylbenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Styrene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Tert-amyl-methyl ether (TAME)	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
tert-Butyl alcohol (TBA)	ND		140	14	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
tert-Butylbenzene	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Tetrachloroethene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Toluene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
trans-1,2-Dichloroethene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
trans-1,3-Dichloropropene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Trichloroethene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Trichlorofluoromethane	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Vinyl chloride	ND		6.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
Xylenes, Total	ND		5.4	2.7	ug/Kg		10/11/17 09:48	10/11/17 11:06	1
p-Isopropyltoluene	ND		2.7	1.4	ug/Kg		10/11/17 09:48	10/11/17 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123	10/11/17 09:48	10/11/17 11:06	1
4-Bromofluorobenzene (Surr)	100		79 - 120	10/11/17 09:48	10/11/17 11:06	1
Dibromofluoromethane (Surr)	104		60 - 120	10/11/17 09:48	10/11/17 11:06	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		710	270	ug/Kg		10/11/17 19:04	10/11/17 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		65 - 140	10/11/17 19:04	10/11/17 21:17	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		10	5.1	mg/Kg		10/10/17 16:47	10/12/17 07:46	1
C23-C40	ND		10	5.1	mg/Kg		10/10/17 16:47	10/12/17 07:46	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-5

Date Collected: 10/05/17 16:32

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-28

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	66		40 - 140	10/10/17 16:47	10/12/17 07:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Arsenic	2.5	J	3.0	1.5	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Barium	70		1.5	0.74	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Beryllium	0.70		0.49	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Cadmium	ND		0.49	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Chromium	25		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Cobalt	6.7		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Copper	12		2.0	1.1	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Lead	5.4		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Nickel	15		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Thallium	ND		9.9	4.9	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Vanadium	35		0.99	0.49	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Zinc	44		4.9	2.5	mg/Kg		10/10/17 11:01	10/10/17 21:41	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 11:01	10/10/17 21:41	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:45	1

Client Sample ID: SB8-10

Date Collected: 10/05/17 16:35

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-29

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1,1-Trichloroethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1,2-Trichloroethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1-Dichloroethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1-Dichloroethene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,1-Dichloropropene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2,3-Trichlorobenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2,3-Trichloropropane	ND		9.7	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2,4-Trichlorobenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2,4-Trimethylbenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2-Dibromo-3-Chloropropane	ND		4.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2-Dibromoethane (EDB)	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2-Dichlorobenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2-Dichloroethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,2-Dichloropropane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,3,5-Trimethylbenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,3-Dichlorobenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,3-Dichloropropane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
1,4-Dichlorobenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-10

Date Collected: 10/05/17 16:35

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-29

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
2-Chlorotoluene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
4-Chlorotoluene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Benzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Bromobenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Bromochloromethane	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Bromodichloromethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Bromoform	ND		4.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Bromomethane	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Carbon tetrachloride	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Chlorobenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Chloroethane	ND		4.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Chloroform	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Chloromethane	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
cis-1,2-Dichloroethene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
cis-1,3-Dichloropropene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Dibromochloromethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Dibromomethane	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Dichlorodifluoromethane	ND		4.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Isopropyl Ether (DIPE)	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Ethanol	ND		290	97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Ethyl-t-butyl ether (ETBE)	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Ethylbenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Hexachlorobutadiene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Isopropylbenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
m,p-Xylene	ND		3.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Methylene Chloride	ND		19	4.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Methyl-t-Butyl Ether (MTBE)	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Naphthalene	ND		4.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
n-Butylbenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
N-Propylbenzene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
o-Xylene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
sec-Butylbenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Styrene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Tert-amyl-methyl ether (TAME)	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
tert-Butyl alcohol (TBA)	ND		97	9.7	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
tert-Butylbenzene	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Tetrachloroethene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Toluene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
trans-1,2-Dichloroethene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
trans-1,3-Dichloropropene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Trichloroethene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Trichlorofluoromethane	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Vinyl chloride	ND		4.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
Xylenes, Total	ND		3.9	1.9	ug/Kg		10/11/17 09:48	10/11/17 15:04	1
p-Isopropyltoluene	ND		1.9	0.97	ug/Kg		10/11/17 09:48	10/11/17 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		79 - 123	10/11/17 09:48	10/11/17 15:04	1
4-Bromofluorobenzene (Surr)	101		79 - 120	10/11/17 09:48	10/11/17 15:04	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-10

Date Collected: 10/05/17 16:35

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-29

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		60 - 120	10/11/17 09:48	10/11/17 15:04	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		380	140	ug/Kg		10/11/17 19:04	10/11/17 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		65 - 140	10/11/17 19:04	10/11/17 21:45	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		11	5.3	mg/Kg		10/10/17 16:47	10/12/17 07:25	1
C23-C40	ND		11	5.3	mg/Kg		10/10/17 16:47	10/12/17 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	98		40 - 140	10/10/17 16:47	10/12/17 07:25	1

Client Sample ID: SB5-1

Date Collected: 10/05/17 17:08

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-31

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1-Dichloroethene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2,3-Trichlorobenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
2-Chlorotoluene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
4-Chlorotoluene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Benzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Bromobenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Bromochloromethane	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-1

Date Collected: 10/05/17 17:08

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-31

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Bromomethane	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Carbon tetrachloride	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Chlorobenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Chloroethane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Chloroform	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Chloromethane	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Dibromochloromethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Dibromomethane	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Isopropyl Ether (DIPE)	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Ethanol	ND		300	99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Ethylbenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Hexachlorobutadiene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
m,p-Xylene	ND		4.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Methylene Chloride	ND		20	5.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Naphthalene	ND		5.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
o-Xylene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
sec-Butylbenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Styrene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Tert-amyl-methyl ether (TAME)	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
tert-Butyl alcohol (TBA)	ND		99	9.9	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
tert-Butylbenzene	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Toluene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Trichloroethene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Trichlorofluoromethane	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Vinyl chloride	ND		5.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
Xylenes, Total	ND		4.0	2.0	ug/Kg		10/11/17 09:48	10/11/17 15:31	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg		10/11/17 09:48	10/11/17 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		79 - 123	10/11/17 09:48	10/11/17 15:31	1
4-Bromofluorobenzene (Surr)	109		79 - 120	10/11/17 09:48	10/11/17 15:31	1
Dibromofluoromethane (Surr)	109		60 - 120	10/11/17 09:48	10/11/17 15:31	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg		10/12/17 09:12	10/12/17 12:37	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-1

Date Collected: 10/05/17 17:08

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-31

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69		65 - 140	10/12/17 09:12	10/12/17 12:37	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	72		9.9	5.0	mg/Kg		10/10/17 16:47	10/14/17 00:18	1
C23-C40	260		9.9	5.0	mg/Kg		10/10/17 16:47	10/14/17 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	58		40 - 140	10/10/17 16:47	10/14/17 00:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Arsenic	5.2		3.0	1.5	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Barium	160		1.5	0.74	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Beryllium	0.68		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Cadmium	1.2		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Chromium	26		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Cobalt	8.3		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Copper	75		2.0	1.1	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Lead	190		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Nickel	23		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Vanadium	40		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Zinc	440		5.0	2.5	mg/Kg		10/10/17 11:01	10/10/17 21:43	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 11:01	10/10/17 21:43	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 23:29	1

Client Sample ID: SB6-1

Date Collected: 10/05/17 17:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-32

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1,1-Trichloroethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1,2,2-Tetrachloroethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1,2-Trichloroethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1-Dichloroethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1-Dichloroethene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,1-Dichloropropene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2,3-Trichlorobenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2,3-Trichloropropane	ND		14	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2,4-Trichlorobenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2,4-Trimethylbenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2-Dibromo-3-Chloropropane	ND		7.0	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-1

Date Collected: 10/05/17 17:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-32

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2-Dichlorobenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2-Dichloroethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,2-Dichloropropane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,3,5-Trimethylbenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,3-Dichlorobenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,3-Dichloropropane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
1,4-Dichlorobenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
2,2-Dichloropropane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
2-Chlorotoluene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
4-Chlorotoluene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Benzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Bromobenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Bromochloromethane	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Bromodichloromethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Bromoform	ND		7.0	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Bromomethane	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Carbon tetrachloride	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Chlorobenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Chloroethane	ND		7.0	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Chloroform	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Chloromethane	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
cis-1,2-Dichloroethene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
cis-1,3-Dichloropropene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Dibromochloromethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Dibromomethane	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Dichlorodifluoromethane	ND		7.0	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Isopropyl Ether (DIPE)	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Ethanol	ND		420	140	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Ethyl-t-butyl ether (ETBE)	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Ethylbenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Hexachlorobutadiene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Isopropylbenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
m,p-Xylene	ND		5.6	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Methylene Chloride	ND		28	7.0	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Methyl-t-Butyl Ether (MTBE)	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Naphthalene	ND		7.0	2.8	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
n-Butylbenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
N-Propylbenzene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
o-Xylene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
sec-Butylbenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Styrene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Tert-amyl-methyl ether (TAME)	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
tert-Butyl alcohol (TBA)	ND		140	14	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
tert-Butylbenzene	ND		7.0	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Tetrachloroethene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
Toluene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
trans-1,2-Dichloroethene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1
trans-1,3-Dichloropropene	ND		2.8	1.4	ug/Kg		10/11/17 09:48	10/11/17 15:57	1

TestAmerica Irvine

Client Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB6-1

Date Collected: 10/05/17 17:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-32

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		2.8	1.4	ug/Kg	-	10/11/17 09:48	10/11/17 15:57	1
Trichlorofluoromethane	ND		7.0	1.4	ug/Kg	-	10/11/17 09:48	10/11/17 15:57	1
Vinyl chloride	ND		7.0	1.4	ug/Kg	-	10/11/17 09:48	10/11/17 15:57	1
Xylenes, Total	ND		5.6	2.8	ug/Kg	-	10/11/17 09:48	10/11/17 15:57	1
p-Isopropyltoluene	ND		2.8	1.4	ug/Kg	-	10/11/17 09:48	10/11/17 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		79 - 123	10/11/17 09:48	10/11/17 15:57	1
4-Bromofluorobenzene (Surr)	119		79 - 120	10/11/17 09:48	10/11/17 15:57	1
Dibromofluoromethane (Surr)	107		60 - 120	10/11/17 09:48	10/11/17 15:57	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		440	170	ug/Kg	-	10/12/17 09:12	10/12/17 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		65 - 140	10/12/17 09:12	10/12/17 13:04	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	610		100	52	mg/Kg	-	10/10/17 16:47	10/16/17 10:45	5
C23-C40	3000		100	52	mg/Kg	-	10/10/17 16:47	10/16/17 10:45	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	138		40 - 140	10/10/17 16:47	10/16/17 10:45	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	4.9	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Arsenic	4.0		3.0	1.5	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Barium	690		1.5	0.74	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Beryllium	0.50		0.49	0.25	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Cadmium	0.53		0.49	0.25	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Chromium	23		0.99	0.49	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Cobalt	4.9		0.99	0.49	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Copper	33		2.0	1.1	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Lead	110		2.0	0.99	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Molybdenum	130		2.0	0.99	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Nickel	32		2.0	0.99	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Selenium	ND		3.0	1.7	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Thallium	ND		9.9	4.9	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Vanadium	30		0.99	0.49	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Zinc	250		4.9	2.5	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5
Silver	ND		1.5	0.88	mg/Kg	-	10/10/17 11:01	10/10/17 21:49	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.020	0.012	mg/Kg	-	10/13/17 19:46	10/16/17 23:39	1

TestAmerica Irvine

Method Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-5

Date Collected: 10/05/17 10:27

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.71 g	10 mL	434691	10/12/17 09:47	MF	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434635	10/12/17 14:23	AYL	TAL IRV
Total/NA	Prep	5035			7.29 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434394	10/11/17 15:24	IM	TAL IRV
Total/NA	Prep	3546			7.18 g	1 mL	434217	10/10/17 16:42	VA	TAL IRV
Total/NA	Analysis	8015B		1			434433	10/11/17 22:06	LMB	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 20:52	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:32	DB	TAL IRV

Client Sample ID: SB5-10

Date Collected: 10/05/17 10:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.01 g	10 mL	435887	10/18/17 10:56	AYL	TAL IRV
Total/NA	Analysis	8015B		1	5.06 g	10 mL	435357	10/16/17 20:03	IM	TAL IRV
Total/NA	Prep	3546			15.15 g	1 mL	434217	10/10/17 16:42	VA	TAL IRV
Total/NA	Analysis	8015B		1			434433	10/11/17 22:26	LMB	TAL IRV

Client Sample ID: SB6-5

Date Collected: 10/05/17 11:05

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.4 g	10 mL	434691	10/12/17 09:47	MF	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434635	10/12/17 15:18	AYL	TAL IRV
Total/NA	Prep	5035			6.3 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434394	10/11/17 16:20	IM	TAL IRV
Total/NA	Prep	3546			7.31 g	1 mL	434217	10/10/17 16:42	VA	TAL IRV
Total/NA	Analysis	8015B		1			434430	10/11/17 18:09	D1D	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 20:54	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 22:54	DB	TAL IRV

Client Sample ID: SB6-10

Date Collected: 10/05/17 11:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 g	10 mL	434964	10/13/17 12:03	BC	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	5.01 g	10 mL	435357	10/16/17 20:32	IM	TAL IRV
Total/NA	Prep	3546			7.31 g	1 mL	434217	10/10/17 16:42	VA	TAL IRV
Total/NA	Analysis	8015B		1			434433	10/11/17 22:46	LMB	TAL IRV

Client Sample ID: SB4-5

Date Collected: 10/05/17 12:49

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.55 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 15:23	AYL	TAL IRV
Total/NA	Prep	5035			5.46 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434394	10/11/17 16:47	IM	TAL IRV
Total/NA	Prep	3546			7.27 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 05:19	LMB	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 20:56	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:16	DB	TAL IRV

Client Sample ID: SB4-10

Date Collected: 10/05/17 12:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.83 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 15:51	AYL	TAL IRV
Total/NA	Prep	5035			4.71 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 15:56	IM	TAL IRV
Total/NA	Prep	3546			7.14 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 06:21	LMB	TAL IRV

Client Sample ID: SB3-5

Date Collected: 10/05/17 13:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.8 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 16:19	AYL	TAL IRV
Total/NA	Prep	5035			5.51 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 16:24	IM	TAL IRV
Total/NA	Prep	3546			7.20 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			435365	10/16/17 10:32	IVA	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 20:58	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:55	DB	TAL IRV

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Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB3-10

Date Collected: 10/05/17 13:17

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 16:46	AYL	TAL IRV
Total/NA	Prep	5035			4.7 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 16:52	IM	TAL IRV
Total/NA	Prep	3546			7.02 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 09:29	LMB	TAL IRV

Client Sample ID: SB3-2

Date Collected: 10/05/17 13:10

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.8 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 16:24	HR	TAL IRV
Total/NA	Prep	5035			4.85 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 17:20	IM	TAL IRV
Total/NA	Prep	3546			7.25 g	2 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434976	10/13/17 23:36	LMB	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:01	EN	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:10	DB	TAL IRV

Client Sample ID: SB4-2

Date Collected: 10/05/17 14:30

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.25 g	10 mL	434691	10/12/17 09:47	MF	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434635	10/12/17 15:46	AYL	TAL IRV
Total/NA	Prep	5035			4.54 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 17:48	IM	TAL IRV
Total/NA	Prep	3546			7.27 g	2 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		5			435367	10/16/17 12:16	IVA	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:07	EN	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:07	DB	TAL IRV

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Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB2-1

Date Collected: 10/05/17 14:12

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.09 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 17:16	HR	TAL IRV
Total/NA	Prep	5035			3.94 g	10 mL	434685	10/12/17 09:12	TCN	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434667	10/12/17 11:13	EI	TAL IRV
Total/NA	Prep	3546			7.49 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434430	10/11/17 20:30	D1D	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:09	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:13	DB	TAL IRV

Client Sample ID: SB2-5

Date Collected: 10/05/17 13:52

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 17:43	HR	TAL IRV
Total/NA	Prep	5035			6.32 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 18:43	IM	TAL IRV
Total/NA	Prep	3546			6.99 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 06:43	LMB	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:12	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:36	DB	TAL IRV

Client Sample ID: SB2-10

Date Collected: 10/05/17 13:56

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434559	10/11/17 22:31	JB	TAL IRV
Total/NA	Prep	5035			5.47 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 19:11	IM	TAL IRV
Total/NA	Prep	3546			15.10 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 08:29	LMB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB1-1

Date Collected: 10/05/17 15:01

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.22 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 17:14	AYL	TAL IRV
Total/NA	Prep	5035			4.53 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 19:39	IM	TAL IRV
Total/NA	Prep	3546			15.23 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 08:50	LMB	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:14	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:26	DB	TAL IRV

Client Sample ID: SB1-5

Date Collected: 10/05/17 15:10

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.29 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 17:42	AYL	TAL IRV
Total/NA	Prep	5035			6.52 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 20:06	IM	TAL IRV
Total/NA	Prep	3546			7.35 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434430	10/11/17 22:26	D1D	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:16	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:03	DB	TAL IRV

Client Sample ID: SB1-10

Date Collected: 10/05/17 15:16

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.64 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434330	10/11/17 18:10	AYL	TAL IRV
Total/NA	Prep	5035			5.78 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 21:43	IM	TAL IRV
Total/NA	Prep	3546			7.34 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434430	10/11/17 22:06	D1D	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB7-1

Date Collected: 10/05/17 15:41

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.01 g	10 mL	434900	10/12/17 21:25	WC	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434789	10/12/17 21:57	RM	TAL IRV
Total/NA	Prep	5035			4.75 g	10 mL	434685	10/12/17 09:12	TCN	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434667	10/12/17 11:41	EI	TAL IRV
Total/NA	Prep	3546			7.02 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434430	10/11/17 22:46	D1D	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	434076	10/10/17 08:49	DT	TAL IRV
Total/NA	Analysis	6010B		5			434287	10/10/17 21:18	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:52	DB	TAL IRV

Client Sample ID: SB7-5

Date Collected: 10/05/17 15:48

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.99 g	10 mL	434900	10/12/17 21:25	WC	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434789	10/12/17 22:25	RM	TAL IRV
Total/NA	Prep	5035			6.59 g	10 mL	434457	10/11/17 13:01	IM	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434474	10/11/17 22:38	IM	TAL IRV
Total/NA	Prep	3546			3.00 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 10:12	LMB	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	434120	10/10/17 11:01	DT	TAL IRV
Total/NA	Analysis	6010B		5			434339	10/10/17 21:28	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:42	DB	TAL IRV

Client Sample ID: SB7-10

Date Collected: 10/05/17 15:53

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.77 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434635	10/12/17 18:19	AYL	TAL IRV
Total/NA	Prep	5035			5.6 g	10 mL	434573	10/11/17 19:04	EI	TAL IRV
Total/NA	Analysis	8015B		1	5 g	10 mL	434562	10/11/17 20:21	IM	TAL IRV
Total/NA	Prep	3546			7.37 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 07:03	LMB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB8-1

Date Collected: 10/05/17 16:28

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.38 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 10:39	HR	TAL IRV
Total/NA	Prep	5035			5.66 g	10 mL	434573	10/11/17 19:04	EI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434562	10/11/17 20:49	IM	TAL IRV
Total/NA	Prep	3546			7.17 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 09:50	LMB	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	434120	10/10/17 11:01	DT	TAL IRV
Total/NA	Analysis	6010B		5			434339	10/10/17 21:39	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:49	DB	TAL IRV

Client Sample ID: SB8-5

Date Collected: 10/05/17 16:32

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.67 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 11:06	HR	TAL IRV
Total/NA	Prep	5035			2.8 g	10 mL	434573	10/11/17 19:04	EI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434562	10/11/17 21:17	IM	TAL IRV
Total/NA	Prep	3546			7.35 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 07:46	LMB	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	434120	10/10/17 11:01	DT	TAL IRV
Total/NA	Analysis	6010B		5			434339	10/10/17 21:41	EN	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:45	DB	TAL IRV

Client Sample ID: SB8-10

Date Collected: 10/05/17 16:35

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.15 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 15:04	HR	TAL IRV
Total/NA	Prep	5035			5.22 g	10 mL	434573	10/11/17 19:04	EI	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434562	10/11/17 21:45	IM	TAL IRV
Total/NA	Prep	3546			7.04 g	1 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434390	10/12/17 07:25	LMB	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Client Sample ID: SB5-1

Date Collected: 10/05/17 17:08

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 15:31	HR	TAL IRV
Total/NA	Prep	5035			4.94 g	10 mL	434685	10/12/17 09:12	TCN	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434667	10/12/17 12:37	EI	TAL IRV
Total/NA	Prep	3546			15.10 g	2 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		1			434976	10/14/17 00:18	LMB	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	434120	10/10/17 11:01	DT	TAL IRV
Total/NA	Analysis	6010B		5			434339	10/10/17 21:43	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:29	DB	TAL IRV

Client Sample ID: SB6-1

Date Collected: 10/05/17 17:13

Date Received: 10/06/17 18:35

Lab Sample ID: 440-193786-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.57 g	10 mL	434393	10/11/17 09:48	HR	TAL IRV
Total/NA	Analysis	8260B		1	10 mL	10 mL	434324	10/11/17 15:57	HR	TAL IRV
Total/NA	Prep	5035			4.51 g	10 mL	434685	10/12/17 09:12	TCN	TAL IRV
Total/NA	Analysis	8015B		1	10 mL	10 mL	434667	10/12/17 13:04	EI	TAL IRV
Total/NA	Prep	3546			7.21 g	2 mL	434219	10/10/17 16:47	VA	TAL IRV
Total/NA	Analysis	8015B		5			435367	10/16/17 10:45	IVA	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	434120	10/10/17 11:01	DT	TAL IRV
Total/NA	Analysis	6010B		5			434339	10/10/17 21:49	EN	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	435144	10/13/17 19:46	DB	TAL IRV
Total/NA	Analysis	7471A		1			435568	10/16/17 23:39	DB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-434324/4
Matrix: Solid
Analysis Batch: 434324

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/11/17 08:17	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/11/17 08:17	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Benzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Bromoform	ND		5.0	2.0	ug/Kg			10/11/17 08:17	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/11/17 08:17	1
Chloroform	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/11/17 08:17	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Ethanol	ND		300	100	ug/Kg			10/11/17 08:17	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/11/17 08:17	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/11/17 08:17	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434324/4

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	2.0	ug/Kg			10/11/17 08:17	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Styrene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/11/17 08:17	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Toluene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/11/17 08:17	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/11/17 08:17	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/11/17 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		79 - 123		10/11/17 08:17	1
4-Bromofluorobenzene (Surr)	101		79 - 120		10/11/17 08:17	1
Dibromofluoromethane (Surr)	104		60 - 120		10/11/17 08:17	1

Lab Sample ID: LCS 440-434324/5

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	55.9		ug/Kg		112	70 - 130
1,1,1-Trichloroethane	50.0	56.7		ug/Kg		113	65 - 135
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	55 - 140
1,1,2-Trichloroethane	50.0	55.7		ug/Kg		111	65 - 135
1,1-Dichloroethane	50.0	57.1		ug/Kg		114	70 - 130
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	70 - 125
1,1-Dichloropropene	50.0	57.3		ug/Kg		115	70 - 130
1,2,3-Trichlorobenzene	50.0	55.0		ug/Kg		110	60 - 130
1,2,3-Trichloropropane	50.0	54.4		ug/Kg		109	60 - 135
1,2,4-Trichlorobenzene	50.0	54.2		ug/Kg		108	70 - 135
1,2,4-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/Kg		107	50 - 135
1,2-Dibromoethane (EDB)	50.0	55.3		ug/Kg		111	70 - 130
1,2-Dichlorobenzene	50.0	53.1		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	59.0		ug/Kg		118	60 - 140
1,2-Dichloropropane	50.0	56.5		ug/Kg		113	70 - 130
1,3,5-Trimethylbenzene	50.0	53.2		ug/Kg		106	70 - 125
1,3-Dichlorobenzene	50.0	52.7		ug/Kg		105	75 - 125
1,3-Dichloropropane	50.0	52.9		ug/Kg		106	70 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434324/5

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	54.0		ug/Kg		108	75 - 120
2,2-Dichloropropane	50.0	58.3		ug/Kg		117	60 - 145
2-Chlorotoluene	50.0	51.8		ug/Kg		104	70 - 125
4-Chlorotoluene	50.0	52.3		ug/Kg		105	75 - 125
Benzene	50.0	54.2		ug/Kg		108	65 - 120
Bromobenzene	50.0	52.6		ug/Kg		105	75 - 120
Bromochloromethane	50.0	55.4		ug/Kg		111	70 - 135
Bromodichloromethane	50.0	57.4		ug/Kg		115	70 - 135
Bromoform	50.0	54.2		ug/Kg		108	55 - 135
Bromomethane	50.0	50.1		ug/Kg		100	60 - 145
Carbon tetrachloride	50.0	58.4		ug/Kg		117	65 - 140
Chlorobenzene	50.0	51.3		ug/Kg		103	75 - 120
Chloroethane	50.0	52.5		ug/Kg		105	60 - 140
Chloroform	50.0	56.6		ug/Kg		113	70 - 130
Chloromethane	50.0	49.9		ug/Kg		100	45 - 145
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	70 - 125
cis-1,3-Dichloropropene	50.0	53.8		ug/Kg		108	75 - 125
Dibromochloromethane	50.0	54.9		ug/Kg		110	65 - 140
Dibromomethane	50.0	55.6		ug/Kg		111	70 - 130
Dichlorodifluoromethane	50.0	49.5		ug/Kg		99	35 - 160
Isopropyl Ether (DIPE)	50.0	62.5		ug/Kg		125	60 - 140
Ethanol	2000	2310		ug/Kg		115	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	57.0		ug/Kg		114	60 - 140
Ethylbenzene	50.0	53.5		ug/Kg		107	70 - 125
Hexachlorobutadiene	50.0	53.9		ug/Kg		108	60 - 135
Isopropylbenzene	50.0	54.1		ug/Kg		108	75 - 130
m,p-Xylene	50.0	54.3		ug/Kg		109	70 - 125
Methylene Chloride	50.0	51.9		ug/Kg		104	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	56.5		ug/Kg		113	60 - 140
Naphthalene	50.0	55.7		ug/Kg		111	55 - 135
n-Butylbenzene	50.0	52.2		ug/Kg		104	70 - 130
N-Propylbenzene	50.0	52.4		ug/Kg		105	70 - 130
o-Xylene	50.0	52.6		ug/Kg		105	70 - 125
sec-Butylbenzene	50.0	52.8		ug/Kg		106	70 - 125
Styrene	50.0	51.8		ug/Kg		104	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	55.0		ug/Kg		110	60 - 145
tert-Butyl alcohol (TBA)	500	567		ug/Kg		113	70 - 135
tert-Butylbenzene	50.0	53.3		ug/Kg		107	70 - 125
Tetrachloroethene	50.0	54.8		ug/Kg		110	70 - 125
Toluene	50.0	53.2		ug/Kg		106	70 - 125
trans-1,2-Dichloroethene	50.0	53.2		ug/Kg		106	70 - 125
trans-1,3-Dichloropropene	50.0	53.5		ug/Kg		107	70 - 135
Trichloroethene	50.0	55.5		ug/Kg		111	70 - 125
Trichlorofluoromethane	50.0	55.7		ug/Kg		111	60 - 145
Vinyl chloride	50.0	46.7		ug/Kg		93	55 - 135
p-Isopropyltoluene	50.0	52.1		ug/Kg		104	75 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434324/5

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		79 - 123
4-Bromofluorobenzene (Surr)	96		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120

Lab Sample ID: LCSD 440-434324/7

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	55.4		ug/Kg		111	70 - 130	1	20
1,1,1-Trichloroethane	50.0	55.8		ug/Kg		112	65 - 135	2	20
1,1,2,2-Tetrachloroethane	50.0	52.4		ug/Kg		105	55 - 140	2	30
1,1,2-Trichloroethane	50.0	56.1		ug/Kg		112	65 - 135	1	20
1,1-Dichloroethane	50.0	56.1		ug/Kg		112	70 - 130	2	20
1,1-Dichloroethene	50.0	51.2		ug/Kg		102	70 - 125	2	20
1,1-Dichloropropene	50.0	55.2		ug/Kg		110	70 - 130	4	20
1,2,3-Trichlorobenzene	50.0	55.3		ug/Kg		111	60 - 130	1	20
1,2,3-Trichloropropane	50.0	54.3		ug/Kg		109	60 - 135	0	25
1,2,4-Trichlorobenzene	50.0	53.5		ug/Kg		107	70 - 135	1	20
1,2,4-Trimethylbenzene	50.0	52.6		ug/Kg		105	70 - 125	0	20
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/Kg		102	50 - 135	5	30
1,2-Dibromoethane (EDB)	50.0	54.6		ug/Kg		109	70 - 130	1	20
1,2-Dichlorobenzene	50.0	53.6		ug/Kg		107	75 - 120	1	20
1,2-Dichloroethane	50.0	57.6		ug/Kg		115	60 - 140	2	20
1,2-Dichloropropane	50.0	55.3		ug/Kg		111	70 - 130	2	20
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 125	1	20
1,3-Dichlorobenzene	50.0	51.4		ug/Kg		103	75 - 125	3	20
1,3-Dichloropropane	50.0	52.6		ug/Kg		105	70 - 125	1	20
1,4-Dichlorobenzene	50.0	53.1		ug/Kg		106	75 - 120	2	20
2,2-Dichloropropane	50.0	55.9		ug/Kg		112	60 - 145	4	20
2-Chlorotoluene	50.0	50.8		ug/Kg		102	70 - 125	2	20
4-Chlorotoluene	50.0	52.3		ug/Kg		105	75 - 125	0	20
Benzene	50.0	53.5		ug/Kg		107	65 - 120	1	20
Bromobenzene	50.0	52.2		ug/Kg		104	75 - 120	1	20
Bromochloromethane	50.0	55.1		ug/Kg		110	70 - 135	1	20
Bromodichloromethane	50.0	56.4		ug/Kg		113	70 - 135	2	20
Bromoform	50.0	53.7		ug/Kg		107	55 - 135	1	25
Bromomethane	50.0	49.6		ug/Kg		99	60 - 145	1	20
Carbon tetrachloride	50.0	57.0		ug/Kg		114	65 - 140	3	20
Chlorobenzene	50.0	51.2		ug/Kg		102	75 - 120	0	20
Chloroethane	50.0	51.3		ug/Kg		103	60 - 140	2	25
Chloroform	50.0	54.8		ug/Kg		110	70 - 130	3	20
Chloromethane	50.0	48.7		ug/Kg		97	45 - 145	2	25
cis-1,2-Dichloroethene	50.0	51.9		ug/Kg		104	70 - 125	0	20
cis-1,3-Dichloropropene	50.0	53.0		ug/Kg		106	75 - 125	1	20
Dibromochloromethane	50.0	55.0		ug/Kg		110	65 - 140	0	20
Dibromomethane	50.0	54.5		ug/Kg		109	70 - 130	2	20
Dichlorodifluoromethane	50.0	49.0		ug/Kg		98	35 - 160	1	30

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-434324/7

Matrix: Solid

Analysis Batch: 434324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	50.0	61.3		ug/Kg		123	60 - 140	2	20
Ethanol	2000	2300		ug/Kg		115	35 - 160	0	30
Ethyl-t-butyl ether (ETBE)	50.0	56.2		ug/Kg		112	60 - 140	1	20
Ethylbenzene	50.0	52.4		ug/Kg		105	70 - 125	2	20
Hexachlorobutadiene	50.0	51.9		ug/Kg		104	60 - 135	4	20
Isopropylbenzene	50.0	54.0		ug/Kg		108	75 - 130	0	20
m,p-Xylene	50.0	54.0		ug/Kg		108	70 - 125	1	20
Methylene Chloride	50.0	51.3		ug/Kg		103	55 - 135	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	55.5		ug/Kg		111	60 - 140	2	25
Naphthalene	50.0	54.4		ug/Kg		109	55 - 135	2	25
n-Butylbenzene	50.0	51.4		ug/Kg		103	70 - 130	2	20
N-Propylbenzene	50.0	52.0		ug/Kg		104	70 - 130	1	20
o-Xylene	50.0	52.2		ug/Kg		104	70 - 125	1	20
sec-Butylbenzene	50.0	51.7		ug/Kg		103	70 - 125	2	20
Styrene	50.0	52.3		ug/Kg		105	75 - 130	1	20
Tert-amyl-methyl ether (TAME)	50.0	53.3		ug/Kg		107	60 - 145	3	20
tert-Butyl alcohol (TBA)	500	572		ug/Kg		114	70 - 135	1	20
tert-Butylbenzene	50.0	52.5		ug/Kg		105	70 - 125	2	20
Tetrachloroethene	50.0	54.6		ug/Kg		109	70 - 125	0	20
Toluene	50.0	53.7		ug/Kg		107	70 - 125	1	20
trans-1,2-Dichloroethene	50.0	52.0		ug/Kg		104	70 - 125	2	20
trans-1,3-Dichloropropene	50.0	53.1		ug/Kg		106	70 - 135	1	20
Trichloroethene	50.0	54.5		ug/Kg		109	70 - 125	2	20
Trichlorofluoromethane	50.0	53.5		ug/Kg		107	60 - 145	4	25
Vinyl chloride	50.0	47.1		ug/Kg		94	55 - 135	1	25
p-Isopropyltoluene	50.0	50.9		ug/Kg		102	75 - 125	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		79 - 123
4-Bromofluorobenzene (Surr)	96		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120

Lab Sample ID: MB 440-434330/6

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/11/17 09:22	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434330/6

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/11/17 09:22	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Benzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Bromoform	ND		5.0	2.0	ug/Kg			10/11/17 09:22	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/11/17 09:22	1
Chloroform	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/11/17 09:22	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Ethanol	ND		300	100	ug/Kg			10/11/17 09:22	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/11/17 09:22	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/11/17 09:22	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/11/17 09:22	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Styrene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/11/17 09:22	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Toluene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434330/6

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/11/17 09:22	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/11/17 09:22	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/11/17 09:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		79 - 123		10/11/17 09:22	1
4-Bromofluorobenzene (Surr)	107		79 - 120		10/11/17 09:22	1
Dibromofluoromethane (Surr)	110		60 - 120		10/11/17 09:22	1

Lab Sample ID: LCS 440-434330/8

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.7		ug/Kg		115	70 - 130
1,1,1-Trichloroethane	50.0	53.5		ug/Kg		107	65 - 135
1,1,2,2-Tetrachloroethane	50.0	57.1		ug/Kg		114	55 - 140
1,1,2-Trichloroethane	50.0	60.2		ug/Kg		120	65 - 135
1,1-Dichloroethane	50.0	54.1		ug/Kg		108	70 - 130
1,1-Dichloroethene	50.0	49.2		ug/Kg		98	70 - 125
1,1-Dichloropropene	50.0	56.0		ug/Kg		112	70 - 130
1,2,3-Trichlorobenzene	50.0	57.5		ug/Kg		115	60 - 130
1,2,3-Trichloropropane	50.0	54.9		ug/Kg		110	60 - 135
1,2,4-Trichlorobenzene	50.0	55.7		ug/Kg		111	70 - 135
1,2,4-Trimethylbenzene	50.0	54.0		ug/Kg		108	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	44.8		ug/Kg		90	50 - 135
1,2-Dibromoethane (EDB)	50.0	55.1		ug/Kg		110	70 - 130
1,2-Dichlorobenzene	50.0	52.1		ug/Kg		104	75 - 120
1,2-Dichloroethane	50.0	57.2		ug/Kg		114	60 - 140
1,2-Dichloropropane	50.0	56.2		ug/Kg		112	70 - 130
1,3,5-Trimethylbenzene	50.0	53.9		ug/Kg		108	70 - 125
1,3-Dichlorobenzene	50.0	52.7		ug/Kg		105	75 - 125
1,3-Dichloropropane	50.0	58.3		ug/Kg		117	70 - 125
1,4-Dichlorobenzene	50.0	51.5		ug/Kg		103	75 - 120
2,2-Dichloropropane	50.0	65.6		ug/Kg		131	60 - 145
2-Chlorotoluene	50.0	57.3		ug/Kg		115	70 - 125
4-Chlorotoluene	50.0	58.2		ug/Kg		116	75 - 125
Benzene	50.0	54.4		ug/Kg		109	65 - 120
Bromobenzene	50.0	56.2		ug/Kg		112	75 - 120
Bromochloromethane	50.0	56.6		ug/Kg		113	70 - 135
Bromodichloromethane	50.0	58.4		ug/Kg		117	70 - 135
Bromoform	50.0	52.4		ug/Kg		105	55 - 135
Bromomethane	50.0	54.4		ug/Kg		109	60 - 145
Carbon tetrachloride	50.0	55.1		ug/Kg		110	65 - 140

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434330/8

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	52.8		ug/Kg		106	75 - 120
Chloroethane	50.0	56.8		ug/Kg		114	60 - 140
Chloroform	50.0	54.2		ug/Kg		108	70 - 130
Chloromethane	50.0	53.7		ug/Kg		107	45 - 145
cis-1,2-Dichloroethene	50.0	55.2		ug/Kg		110	70 - 125
cis-1,3-Dichloropropene	50.0	57.4		ug/Kg		115	75 - 125
Dibromochloromethane	50.0	58.3		ug/Kg		117	65 - 140
Dibromomethane	50.0	55.9		ug/Kg		112	70 - 130
Dichlorodifluoromethane	50.0	52.3		ug/Kg		105	35 - 160
Isopropyl Ether (DIPE)	50.0	58.7		ug/Kg		117	60 - 140
Ethanol	2000	2430		ug/Kg		121	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	55.1		ug/Kg		110	60 - 140
Ethylbenzene	50.0	57.9		ug/Kg		116	70 - 125
Hexachlorobutadiene	50.0	49.2		ug/Kg		98	60 - 135
Isopropylbenzene	50.0	58.0		ug/Kg		116	75 - 130
m,p-Xylene	50.0	59.2		ug/Kg		118	70 - 125
Methylene Chloride	50.0	48.1		ug/Kg		96	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	51.7		ug/Kg		103	60 - 140
Naphthalene	50.0	50.5		ug/Kg		101	55 - 135
n-Butylbenzene	50.0	53.8		ug/Kg		108	70 - 130
N-Propylbenzene	50.0	54.1		ug/Kg		108	70 - 130
o-Xylene	50.0	59.4		ug/Kg		119	70 - 125
sec-Butylbenzene	50.0	51.5		ug/Kg		103	70 - 125
Styrene	50.0	55.4		ug/Kg		111	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	49.0		ug/Kg		98	60 - 145
tert-Butyl alcohol (TBA)	500	531		ug/Kg		106	70 - 135
tert-Butylbenzene	50.0	52.9		ug/Kg		106	70 - 125
Tetrachloroethene	50.0	54.4		ug/Kg		109	70 - 125
Toluene	50.0	59.7		ug/Kg		119	70 - 125
trans-1,2-Dichloroethene	50.0	54.1		ug/Kg		108	70 - 125
trans-1,3-Dichloropropene	50.0	57.9		ug/Kg		116	70 - 135
Trichloroethene	50.0	52.9		ug/Kg		106	70 - 125
Trichlorofluoromethane	50.0	51.4		ug/Kg		103	60 - 145
Vinyl chloride	50.0	54.8		ug/Kg		110	55 - 135
p-Isopropyltoluene	50.0	54.1		ug/Kg		108	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		79 - 123
4-Bromofluorobenzene (Surr)	106		79 - 120
Dibromofluoromethane (Surr)	103		60 - 120

Lab Sample ID: 720-82412-D-6 MS

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		50.0	62.7		ug/Kg		125	65 - 145
1,1,1-Trichloroethane	ND		50.0	56.2		ug/Kg		112	65 - 145

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-82412-D-6 MS

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	ND		50.0	73.1		ug/Kg		146	40 - 160
1,1,2-Trichloroethane	ND		50.0	66.6		ug/Kg		133	65 - 140
1,1-Dichloroethane	ND		50.0	56.9		ug/Kg		114	65 - 135
1,1-Dichloroethene	ND		50.0	55.2		ug/Kg		110	65 - 135
1,1-Dichloropropene	ND		50.0	57.9		ug/Kg		116	65 - 135
1,2,3-Trichlorobenzene	ND		50.0	56.5		ug/Kg		113	45 - 145
1,2,3-Trichloropropane	ND		50.0	71.0		ug/Kg		142	50 - 150
1,2,4-Trichlorobenzene	ND		50.0	53.0		ug/Kg		106	50 - 140
1,2,4-Trimethylbenzene	ND		50.0	57.6		ug/Kg		115	65 - 140
1,2-Dibromo-3-Chloropropane	ND		50.0	60.0		ug/Kg		120	40 - 150
1,2-Dibromoethane (EDB)	ND		50.0	65.0		ug/Kg		130	65 - 140
1,2-Dichlorobenzene	ND		50.0	57.1		ug/Kg		114	70 - 130
1,2-Dichloroethane	ND		50.0	64.9		ug/Kg		130	60 - 150
1,2-Dichloropropane	ND		50.0	59.1		ug/Kg		118	65 - 130
1,3,5-Trimethylbenzene	ND		50.0	57.9		ug/Kg		116	65 - 135
1,3-Dichlorobenzene	ND		50.0	55.8		ug/Kg		112	70 - 130
1,3-Dichloropropane	ND		50.0	66.4		ug/Kg		133	65 - 140
1,4-Dichlorobenzene	ND		50.0	54.6		ug/Kg		109	70 - 130
2,2-Dichloropropane	ND		50.0	68.7		ug/Kg		137	65 - 150
2-Chlorotoluene	ND		50.0	61.8		ug/Kg		124	60 - 135
4-Chlorotoluene	ND		50.0	62.7		ug/Kg		125	65 - 135
Benzene	ND		50.0	56.5		ug/Kg		113	65 - 130
Bromobenzene	ND		50.0	62.7		ug/Kg		125	65 - 140
Bromochloromethane	ND		50.0	64.9		ug/Kg		130	65 - 145
Bromodichloromethane	ND		50.0	63.1		ug/Kg		126	65 - 145
Bromoform	ND		50.0	62.0		ug/Kg		124	50 - 145
Bromomethane	ND		50.0	57.8		ug/Kg		116	60 - 155
Carbon tetrachloride	ND		50.0	58.7		ug/Kg		117	60 - 145
Chlorobenzene	ND		50.0	55.0		ug/Kg		110	70 - 130
Chloroethane	ND		50.0	59.2		ug/Kg		118	60 - 150
Chloroform	ND		50.0	58.4		ug/Kg		117	65 - 135
Chloromethane	ND		50.0	56.5		ug/Kg		113	40 - 145
cis-1,2-Dichloroethene	ND		50.0	58.4		ug/Kg		117	65 - 135
cis-1,3-Dichloropropene	ND		50.0	63.6		ug/Kg		127	70 - 135
Dibromochloromethane	ND		50.0	66.3		ug/Kg		133	60 - 145
Dibromomethane	ND		50.0	63.7		ug/Kg		127	65 - 140
Dichlorodifluoromethane	ND		50.0	56.8		ug/Kg		114	30 - 160
Isopropyl Ether (DIPE)	ND		50.0	62.5		ug/Kg		125	60 - 150
Ethanol	ND		2000	2310		ug/Kg		116	30 - 165
Ethyl-t-butyl ether (ETBE)	ND		50.0	60.5		ug/Kg		121	60 - 145
Ethylbenzene	ND		50.0	59.6		ug/Kg		119	70 - 135
Hexachlorobutadiene	ND		50.0	41.7		ug/Kg		83	50 - 145
Isopropylbenzene	ND		50.0	58.4		ug/Kg		117	70 - 145
m,p-Xylene	ND		50.0	59.5		ug/Kg		119	70 - 130
Methylene Chloride	ND		50.0	56.6		ug/Kg		113	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		50.0	59.1		ug/Kg		118	55 - 155
Naphthalene	ND		50.0	57.5		ug/Kg		115	40 - 150
n-Butylbenzene	ND		50.0	54.0		ug/Kg		108	55 - 145

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-82412-D-6 MS

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	ND		50.0	57.5		ug/Kg		115	65 - 140
o-Xylene	ND		50.0	60.7		ug/Kg		121	65 - 130
sec-Butylbenzene	ND		50.0	52.9		ug/Kg		106	60 - 135
Styrene	ND		50.0	56.4		ug/Kg		113	70 - 140
Tert-amyl-methyl ether (TAME)	ND		50.0	55.3		ug/Kg		111	60 - 150
tert-Butyl alcohol (TBA)	ND		500	583		ug/Kg		117	65 - 145
tert-Butylbenzene	ND		50.0	57.1		ug/Kg		114	60 - 140
Tetrachloroethene	ND		50.0	55.8		ug/Kg		112	65 - 135
Toluene	ND		50.0	63.2		ug/Kg		126	70 - 130
trans-1,2-Dichloroethene	ND		50.0	54.8		ug/Kg		110	70 - 135
trans-1,3-Dichloropropene	ND		50.0	63.6		ug/Kg		127	60 - 145
Trichloroethene	ND		50.0	54.7		ug/Kg		109	65 - 140
Trichlorofluoromethane	ND		50.0	56.9		ug/Kg		114	55 - 155
Vinyl chloride	ND		50.0	57.7		ug/Kg		115	55 - 140
p-Isopropyltoluene	ND		50.0	57.7		ug/Kg		115	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	110		79 - 123
4-Bromofluorobenzene (Surr)	114		79 - 120
Dibromofluoromethane (Surr)	108		60 - 120

Lab Sample ID: 720-82412-D-6 MSD

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	60.0		ug/Kg		120	65 - 145	4	20
1,1,1-Trichloroethane	ND		50.0	52.7		ug/Kg		105	65 - 145	6	20
1,1,2,2-Tetrachloroethane	ND		50.0	66.4		ug/Kg		133	40 - 160	10	30
1,1,2-Trichloroethane	ND		50.0	65.0		ug/Kg		130	65 - 140	2	30
1,1-Dichloroethane	ND		50.0	55.0		ug/Kg		110	65 - 135	3	25
1,1-Dichloroethene	ND		50.0	48.8		ug/Kg		98	65 - 135	12	25
1,1-Dichloropropene	ND		50.0	53.3		ug/Kg		107	65 - 135	8	20
1,2,3-Trichlorobenzene	ND		50.0	48.7		ug/Kg		97	45 - 145	15	30
1,2,3-Trichloropropane	ND		50.0	63.1		ug/Kg		126	50 - 150	12	30
1,2,4-Trichlorobenzene	ND		50.0	45.7		ug/Kg		91	50 - 140	15	30
1,2,4-Trimethylbenzene	ND		50.0	52.3		ug/Kg		105	65 - 140	10	25
1,2-Dibromo-3-Chloropropane	ND		50.0	52.2		ug/Kg		104	40 - 150	14	30
1,2-Dibromoethane (EDB)	ND		50.0	60.0		ug/Kg		120	65 - 140	8	25
1,2-Dichlorobenzene	ND		50.0	49.8		ug/Kg		100	70 - 130	14	25
1,2-Dichloroethane	ND		50.0	58.2		ug/Kg		116	60 - 150	11	25
1,2-Dichloropropane	ND		50.0	55.9		ug/Kg		112	65 - 130	6	20
1,3,5-Trimethylbenzene	ND		50.0	53.0		ug/Kg		106	65 - 135	9	25
1,3-Dichlorobenzene	ND		50.0	50.0		ug/Kg		100	70 - 130	11	25
1,3-Dichloropropane	ND		50.0	62.1		ug/Kg		124	65 - 140	7	25
1,4-Dichlorobenzene	ND		50.0	48.6		ug/Kg		97	70 - 130	12	25
2,2-Dichloropropane	ND		50.0	64.2		ug/Kg		128	65 - 150	7	25
2-Chlorotoluene	ND		50.0	55.7		ug/Kg		111	60 - 135	10	25

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QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-82412-D-6 MSD

Matrix: Solid

Analysis Batch: 434330

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene	ND		50.0	56.4		ug/Kg		113	65 - 135	11	25
Benzene	ND		50.0	53.1		ug/Kg		106	65 - 130	6	20
Bromobenzene	ND		50.0	57.8		ug/Kg		116	65 - 140	8	25
Bromochloromethane	ND		50.0	58.3		ug/Kg		117	65 - 145	11	25
Bromodichloromethane	ND		50.0	58.1		ug/Kg		116	65 - 145	8	20
Bromoform	ND		50.0	55.4		ug/Kg		111	50 - 145	11	30
Bromomethane	ND		50.0	57.1		ug/Kg		114	60 - 155	1	25
Carbon tetrachloride	ND		50.0	53.1		ug/Kg		106	60 - 145	10	25
Chlorobenzene	ND		50.0	51.1		ug/Kg		102	70 - 130	7	25
Chloroethane	ND		50.0	56.5		ug/Kg		113	60 - 150	5	25
Chloroform	ND		50.0	54.0		ug/Kg		108	65 - 135	8	20
Chloromethane	ND		50.0	58.8		ug/Kg		118	40 - 145	4	25
cis-1,2-Dichloroethene	ND		50.0	55.3		ug/Kg		111	65 - 135	6	25
cis-1,3-Dichloropropene	ND		50.0	60.8		ug/Kg		122	70 - 135	4	25
Dibromochloromethane	ND		50.0	60.7		ug/Kg		121	60 - 145	9	25
Dibromomethane	ND		50.0	57.7		ug/Kg		115	65 - 140	10	25
Dichlorodifluoromethane	ND		50.0	53.7		ug/Kg		107	30 - 160	6	35
Isopropyl Ether (DIPE)	ND		50.0	60.1		ug/Kg		120	60 - 150	4	25
Ethanol	ND		2000	2210		ug/Kg		111	30 - 165	4	40
Ethyl-t-butyl ether (ETBE)	ND		50.0	57.5		ug/Kg		115	60 - 145	5	30
Ethylbenzene	ND		50.0	54.7		ug/Kg		109	70 - 135	9	25
Hexachlorobutadiene	ND		50.0	35.3		ug/Kg		71	50 - 145	17	35
Isopropylbenzene	ND		50.0	52.2		ug/Kg		104	70 - 145	11	25
m,p-Xylene	ND		50.0	54.6		ug/Kg		109	70 - 130	9	25
Methylene Chloride	ND		50.0	52.2		ug/Kg		104	55 - 145	8	25
Methyl-t-Butyl Ether (MTBE)	ND		50.0	56.0		ug/Kg		112	55 - 155	5	35
Naphthalene	ND		50.0	49.5		ug/Kg		99	40 - 150	15	40
n-Butylbenzene	ND		50.0	46.5		ug/Kg		93	55 - 145	15	30
N-Propylbenzene	ND		50.0	52.8		ug/Kg		106	65 - 140	9	25
o-Xylene	ND		50.0	55.7		ug/Kg		111	65 - 130	9	25
sec-Butylbenzene	ND		50.0	48.4		ug/Kg		97	60 - 135	9	25
Styrene	ND		50.0	51.4		ug/Kg		103	70 - 140	9	25
Tert-amyl-methyl ether (TAME)	ND		50.0	51.7		ug/Kg		103	60 - 150	7	25
tert-Butyl alcohol (TBA)	ND		500	548		ug/Kg		110	65 - 145	6	30
tert-Butylbenzene	ND		50.0	52.2		ug/Kg		104	60 - 140	9	25
Tetrachloroethene	ND		50.0	51.5		ug/Kg		103	65 - 135	8	25
Toluene	ND		50.0	59.1		ug/Kg		118	70 - 130	7	20
trans-1,2-Dichloroethene	ND		50.0	52.6		ug/Kg		105	70 - 135	4	25
trans-1,3-Dichloropropene	ND		50.0	61.2		ug/Kg		122	60 - 145	4	25
Trichloroethene	ND		50.0	50.8		ug/Kg		102	65 - 140	8	25
Trichlorofluoromethane	ND		50.0	52.5		ug/Kg		105	55 - 155	8	25
Vinyl chloride	ND		50.0	58.8		ug/Kg		118	55 - 140	2	30
p-Isopropyltoluene	ND		50.0	51.2		ug/Kg		102	60 - 140	12	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	112		79 - 123
4-Bromofluorobenzene (Surr)	115		79 - 120
Dibromofluoromethane (Surr)	105		60 - 120

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Lab Sample ID: MB 440-434559/3
Matrix: Solid
Analysis Batch: 434559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/11/17 19:13	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/11/17 19:13	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Benzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Bromoform	ND		5.0	2.0	ug/Kg			10/11/17 19:13	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/11/17 19:13	1
Chloroform	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/11/17 19:13	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Ethanol	ND		300	100	ug/Kg			10/11/17 19:13	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/11/17 19:13	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/11/17 19:13	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/11/17 19:13	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434559/3

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Styrene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/11/17 19:13	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Toluene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/11/17 19:13	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/11/17 19:13	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/11/17 19:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		79 - 123		10/11/17 19:13	1
4-Bromofluorobenzene (Surr)	91		79 - 120		10/11/17 19:13	1
Dibromofluoromethane (Surr)	83		60 - 120		10/11/17 19:13	1

Lab Sample ID: LCS 440-434559/4

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/Kg		102	70 - 130
1,1,1-Trichloroethane	50.0	41.5		ug/Kg		83	65 - 135
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	55 - 140
1,1,2-Trichloroethane	50.0	48.7		ug/Kg		97	65 - 135
1,1-Dichloroethane	50.0	48.3		ug/Kg		97	70 - 130
1,1-Dichloroethene	50.0	48.1		ug/Kg		96	70 - 125
1,1-Dichloropropene	50.0	48.4		ug/Kg		97	70 - 130
1,2,3-Trichlorobenzene	50.0	55.9		ug/Kg		112	60 - 130
1,2,3-Trichloropropane	50.0	51.1		ug/Kg		102	60 - 135
1,2,4-Trichlorobenzene	50.0	54.8		ug/Kg		110	70 - 135
1,2,4-Trimethylbenzene	50.0	58.6		ug/Kg		117	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/Kg		100	50 - 135
1,2-Dibromoethane (EDB)	50.0	50.3		ug/Kg		101	70 - 130
1,2-Dichlorobenzene	50.0	52.8		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	44.2		ug/Kg		88	60 - 140
1,2-Dichloropropane	50.0	51.0		ug/Kg		102	70 - 130
1,3,5-Trimethylbenzene	50.0	58.4		ug/Kg		117	70 - 125
1,3-Dichlorobenzene	50.0	51.4		ug/Kg		103	75 - 125
1,3-Dichloropropane	50.0	48.3		ug/Kg		97	70 - 125
1,4-Dichlorobenzene	50.0	50.2		ug/Kg		100	75 - 120
2,2-Dichloropropane	50.0	42.3		ug/Kg		85	60 - 145

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434559/4

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	50.0	53.9		ug/Kg		108	70 - 125
4-Chlorotoluene	50.0	53.8		ug/Kg		108	75 - 125
Benzene	50.0	50.4		ug/Kg		101	65 - 120
Bromobenzene	50.0	54.3		ug/Kg		109	75 - 120
Bromochloromethane	50.0	54.2		ug/Kg		108	70 - 135
Bromodichloromethane	50.0	48.6		ug/Kg		97	70 - 135
Bromoform	50.0	50.0		ug/Kg		100	55 - 135
Bromomethane	50.0	48.2		ug/Kg		96	60 - 145
Carbon tetrachloride	50.0	38.9		ug/Kg		78	65 - 140
Chlorobenzene	50.0	49.5		ug/Kg		99	75 - 120
Chloroethane	50.0	45.0		ug/Kg		90	60 - 140
Chloroform	50.0	44.6		ug/Kg		89	70 - 130
Chloromethane	50.0	60.2		ug/Kg		120	45 - 145
cis-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	70 - 125
cis-1,3-Dichloropropene	50.0	53.4		ug/Kg		107	75 - 125
Dibromochloromethane	50.0	47.1		ug/Kg		94	65 - 140
Dibromomethane	50.0	41.2		ug/Kg		82	70 - 130
Dichlorodifluoromethane	50.0	38.6		ug/Kg		77	35 - 160
Isopropyl Ether (DIPE)	50.0	63.3		ug/Kg		127	60 - 140
Ethanol	2000	2710		ug/Kg		135	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	46.8		ug/Kg		94	60 - 140
Ethylbenzene	50.0	50.3		ug/Kg		101	70 - 125
Hexachlorobutadiene	50.0	50.8		ug/Kg		102	60 - 135
Isopropylbenzene	50.0	51.1		ug/Kg		102	75 - 130
m,p-Xylene	50.0	52.9		ug/Kg		106	70 - 125
Methylene Chloride	50.0	47.6		ug/Kg		95	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	46.5		ug/Kg		93	60 - 140
Naphthalene	50.0	52.9		ug/Kg		106	55 - 135
n-Butylbenzene	50.0	53.6		ug/Kg		107	70 - 130
N-Propylbenzene	50.0	55.6		ug/Kg		111	70 - 130
o-Xylene	50.0	53.4		ug/Kg		107	70 - 125
sec-Butylbenzene	50.0	55.4		ug/Kg		111	70 - 125
Styrene	50.0	49.4		ug/Kg		99	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	44.9		ug/Kg		90	60 - 145
tert-Butyl alcohol (TBA)	500	529		ug/Kg		106	70 - 135
tert-Butylbenzene	50.0	54.5		ug/Kg		109	70 - 125
Tetrachloroethene	50.0	45.6		ug/Kg		91	70 - 125
Toluene	50.0	53.8		ug/Kg		108	70 - 125
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/Kg		104	70 - 135
Trichloroethene	50.0	52.7		ug/Kg		105	70 - 125
Trichlorofluoromethane	50.0	37.9		ug/Kg		76	60 - 145
Vinyl chloride	50.0	53.2		ug/Kg		106	55 - 135
p-Isopropyltoluene	50.0	55.6		ug/Kg		111	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		79 - 123
4-Bromofluorobenzene (Surr)	96		79 - 120

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434559/4

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	82		60 - 120

Lab Sample ID: 440-193733-A-41 MS

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.4	59.8		ug/Kg		121	65 - 145
1,1,1-Trichloroethane	ND		49.4	51.7		ug/Kg		105	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.4	77.8		ug/Kg		157	40 - 160
1,1,2-Trichloroethane	ND		49.4	63.6		ug/Kg		129	65 - 140
1,1-Dichloroethane	ND		49.4	57.7		ug/Kg		117	65 - 135
1,1-Dichloroethene	ND		49.4	62.1		ug/Kg		126	65 - 135
1,1-Dichloropropene	ND		49.4	59.1		ug/Kg		120	65 - 135
1,2,3-Trichlorobenzene	ND		49.4	60.3		ug/Kg		122	45 - 145
1,2,3-Trichloropropane	ND	F1	49.4	80.3	F1	ug/Kg		162	50 - 150
1,2,4-Trichlorobenzene	ND		49.4	55.1		ug/Kg		111	50 - 140
1,2,4-Trimethylbenzene	ND		49.4	61.6		ug/Kg		125	65 - 140
1,2-Dibromo-3-Chloropropane	ND	F1	49.4	83.7	F1	ug/Kg		169	40 - 150
1,2-Dibromoethane (EDB)	ND	F1	49.4	72.7	F1	ug/Kg		147	65 - 140
1,2-Dichlorobenzene	ND		49.4	59.3		ug/Kg		120	70 - 130
1,2-Dichloroethane	ND		49.4	54.9		ug/Kg		111	60 - 150
1,2-Dichloropropane	ND		49.4	60.2		ug/Kg		122	65 - 130
1,3,5-Trimethylbenzene	ND	F1	49.4	62.2		ug/Kg		126	65 - 135
1,3-Dichlorobenzene	ND		49.4	56.1		ug/Kg		114	70 - 130
1,3-Dichloropropane	ND		49.4	61.4		ug/Kg		124	65 - 140
1,4-Dichlorobenzene	ND		49.4	57.6		ug/Kg		116	70 - 130
2,2-Dichloropropane	ND		49.4	50.9		ug/Kg		103	65 - 150
2-Chlorotoluene	ND		49.4	59.8		ug/Kg		121	60 - 135
4-Chlorotoluene	ND	F1	49.4	61.1		ug/Kg		124	65 - 135
Benzene	ND		49.4	58.1		ug/Kg		118	65 - 130
Bromobenzene	ND		49.4	63.3		ug/Kg		128	65 - 140
Bromochloromethane	ND		49.4	60.9		ug/Kg		123	65 - 145
Bromodichloromethane	ND		49.4	57.6		ug/Kg		117	65 - 145
Bromoform	ND		49.4	69.7		ug/Kg		141	50 - 145
Bromomethane	ND		49.4	56.3		ug/Kg		114	60 - 155
Carbon tetrachloride	ND		49.4	47.2		ug/Kg		96	60 - 145
Chlorobenzene	ND		49.4	57.6		ug/Kg		117	70 - 130
Chloroethane	ND		49.4	54.7		ug/Kg		111	60 - 150
Chloroform	ND		49.4	51.6		ug/Kg		105	65 - 135
Chloromethane	ND	F1	49.4	70.2		ug/Kg		142	40 - 145
cis-1,2-Dichloroethene	ND		49.4	57.0		ug/Kg		115	65 - 135
cis-1,3-Dichloropropene	ND		49.4	62.5		ug/Kg		126	70 - 135
Dibromochloromethane	ND		49.4	62.9		ug/Kg		127	60 - 145
Dibromomethane	ND		49.4	57.1		ug/Kg		115	65 - 140
Dichlorodifluoromethane	ND		49.4	47.2		ug/Kg		96	30 - 160
Isopropyl Ether (DIPE)	ND	F1	49.4	73.5		ug/Kg		149	60 - 150
Ethanol	ND		1980	2840		ug/Kg		144	30 - 165

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193733-A-41 MS

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethyl-t-butyl ether (ETBE)	ND		49.4	58.0		ug/Kg		117	60 - 145
Ethylbenzene	ND		49.4	57.8		ug/Kg		117	70 - 135
Hexachlorobutadiene	ND		49.4	37.1		ug/Kg		75	50 - 145
Isopropylbenzene	ND		49.4	56.8		ug/Kg		115	70 - 145
m,p-Xylene	ND	F1	49.4	62.2		ug/Kg		126	70 - 130
Methylene Chloride	ND		49.4	58.7		ug/Kg		119	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.4	61.3		ug/Kg		124	55 - 155
Naphthalene	ND	F1	49.4	73.8		ug/Kg		149	40 - 150
n-Butylbenzene	ND		49.4	50.8		ug/Kg		103	55 - 145
N-Propylbenzene	ND		49.4	59.8		ug/Kg		121	65 - 140
o-Xylene	ND		49.4	60.0		ug/Kg		121	65 - 130
sec-Butylbenzene	ND		49.4	54.7		ug/Kg		111	60 - 135
Styrene	ND		49.4	58.3		ug/Kg		118	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.4	55.7		ug/Kg		113	60 - 150
tert-Butyl alcohol (TBA)	ND		49.4	54.6		ug/Kg		111	65 - 145
tert-Butylbenzene	ND		49.4	55.6		ug/Kg		112	60 - 140
Tetrachloroethene	ND		49.4	53.4		ug/Kg		108	65 - 135
Toluene	ND	F1	49.4	60.7		ug/Kg		123	70 - 130
trans-1,2-Dichloroethene	ND		49.4	59.0		ug/Kg		119	70 - 135
trans-1,3-Dichloropropene	ND		49.4	59.4		ug/Kg		120	60 - 145
Trichloroethene	ND		49.4	58.2		ug/Kg		118	65 - 140
Trichlorofluoromethane	ND		49.4	44.4		ug/Kg		90	55 - 155
Vinyl chloride	ND		49.4	66.8		ug/Kg		135	55 - 140
p-Isopropyltoluene	ND		49.4	53.3		ug/Kg		108	60 - 140

Surrogate	%Recovery	MS Qualifier	MS Limits
Toluene-d8 (Surr)	103		79 - 123
4-Bromofluorobenzene (Surr)	93		79 - 120
Dibromofluoromethane (Surr)	88		60 - 120

Lab Sample ID: 440-193733-A-41 MSD

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.3	60.3		ug/Kg		122	65 - 145	1	20
1,1,1-Trichloroethane	ND		49.3	52.3		ug/Kg		106	65 - 145	1	20
1,1,2,2-Tetrachloroethane	ND		49.3	78.4		ug/Kg		159	40 - 160	1	30
1,1,2-Trichloroethane	ND		49.3	64.6		ug/Kg		131	65 - 140	1	30
1,1-Dichloroethane	ND		49.3	59.6		ug/Kg		121	65 - 135	3	25
1,1-Dichloroethene	ND		49.3	63.3		ug/Kg		128	65 - 135	2	25
1,1-Dichloropropene	ND		49.3	62.1		ug/Kg		126	65 - 135	5	20
1,2,3-Trichlorobenzene	ND		49.3	60.8		ug/Kg		123	45 - 145	1	30
1,2,3-Trichloropropane	ND	F1	49.3	76.3	F1	ug/Kg		155	50 - 150	5	30
1,2,4-Trichlorobenzene	ND		49.3	59.2		ug/Kg		120	50 - 140	7	30
1,2,4-Trimethylbenzene	ND		49.3	68.2		ug/Kg		138	65 - 140	10	25
1,2-Dibromo-3-Chloropropane	ND	F1	49.3	82.7	F1	ug/Kg		168	40 - 150	1	30
1,2-Dibromoethane (EDB)	ND	F1	49.3	69.0		ug/Kg		140	65 - 140	5	25

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193733-A-41 MSD

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	ND		49.3	62.3		ug/Kg		126	70 - 130	5	25
1,2-Dichloroethane	ND		49.3	56.8		ug/Kg		115	60 - 150	3	25
1,2-Dichloropropane	ND		49.3	61.4		ug/Kg		125	65 - 130	2	20
1,3,5-Trimethylbenzene	ND	F1	49.3	68.6	F1	ug/Kg		139	65 - 135	10	25
1,3-Dichlorobenzene	ND		49.3	61.1		ug/Kg		124	70 - 130	8	25
1,3-Dichloropropane	ND		49.3	60.8		ug/Kg		123	65 - 140	1	25
1,4-Dichlorobenzene	ND		49.3	60.1		ug/Kg		122	70 - 130	4	25
2,2-Dichloropropane	ND		49.3	51.5		ug/Kg		104	65 - 150	1	25
2-Chlorotoluene	ND		49.3	64.5		ug/Kg		131	60 - 135	8	25
4-Chlorotoluene	ND	F1	49.3	67.4	F1	ug/Kg		137	65 - 135	10	25
Benzene	ND		49.3	63.5		ug/Kg		129	65 - 130	9	20
Bromobenzene	ND		49.3	65.5		ug/Kg		133	65 - 140	3	25
Bromochloromethane	ND		49.3	63.5		ug/Kg		129	65 - 145	4	25
Bromodichloromethane	ND		49.3	59.2		ug/Kg		120	65 - 145	3	20
Bromoform	ND		49.3	69.3		ug/Kg		140	50 - 145	1	30
Bromomethane	ND		49.3	60.0		ug/Kg		122	60 - 155	6	25
Carbon tetrachloride	ND		49.3	49.8		ug/Kg		101	60 - 145	5	25
Chlorobenzene	ND		49.3	59.6		ug/Kg		121	70 - 130	3	25
Chloroethane	ND		49.3	56.4		ug/Kg		114	60 - 150	3	25
Chloroform	ND		49.3	52.2		ug/Kg		106	65 - 135	1	20
Chloromethane	ND	F1	49.3	72.8	F1	ug/Kg		148	40 - 145	4	25
cis-1,2-Dichloroethene	ND		49.3	65.1		ug/Kg		132	65 - 135	13	25
cis-1,3-Dichloropropene	ND		49.3	64.7		ug/Kg		131	70 - 135	4	25
Dibromochloromethane	ND		49.3	61.0		ug/Kg		124	60 - 145	3	25
Dibromomethane	ND		49.3	56.3		ug/Kg		114	65 - 140	1	25
Dichlorodifluoromethane	ND		49.3	50.0		ug/Kg		101	30 - 160	6	35
Isopropyl Ether (DIPE)	ND	F1	49.3	75.9	F1	ug/Kg		154	60 - 150	3	25
Ethanol	ND		1970	2770		ug/Kg		141	30 - 165	2	40
Ethyl-t-butyl ether (ETBE)	ND		49.3	57.6		ug/Kg		117	60 - 145	1	30
Ethylbenzene	ND		49.3	59.1		ug/Kg		120	70 - 135	2	25
Hexachlorobutadiene	ND		49.3	41.6		ug/Kg		84	50 - 145	11	35
Isopropylbenzene	ND		49.3	61.6		ug/Kg		125	70 - 145	8	25
m,p-Xylene	ND	F1	49.3	65.5	F1	ug/Kg		133	70 - 130	5	25
Methylene Chloride	ND		49.3	61.2		ug/Kg		124	55 - 145	4	25
Methyl-t-Butyl Ether (MTBE)	ND		49.3	60.7		ug/Kg		123	55 - 155	1	35
Naphthalene	ND	F1	49.3	74.5	F1	ug/Kg		151	40 - 150	1	40
n-Butylbenzene	ND		49.3	57.8		ug/Kg		117	55 - 145	13	30
N-Propylbenzene	ND		49.3	66.8		ug/Kg		135	65 - 140	11	25
o-Xylene	ND		49.3	63.6		ug/Kg		129	65 - 130	6	25
sec-Butylbenzene	ND		49.3	64.0		ug/Kg		130	60 - 135	16	25
Styrene	ND		49.3	59.5		ug/Kg		121	70 - 140	2	25
Tert-amyl-methyl ether (TAME)	ND		49.3	57.6		ug/Kg		117	60 - 150	3	25
tert-Butyl alcohol (TBA)	ND		493	560		ug/Kg		114	65 - 145	3	30
tert-Butylbenzene	ND		49.3	64.1		ug/Kg		130	60 - 140	14	25
Tetrachloroethene	ND		49.3	58.3		ug/Kg		118	65 - 135	9	25
Toluene	ND	F1	49.3	64.4	F1	ug/Kg		131	70 - 130	6	20
trans-1,2-Dichloroethene	ND		49.3	64.4		ug/Kg		131	70 - 135	9	25
trans-1,3-Dichloropropene	ND		49.3	63.2		ug/Kg		128	60 - 145	6	25

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193733-A-41 MSD

Matrix: Solid

Analysis Batch: 434559

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		49.3	64.9		ug/Kg		132	65 - 140	11	25
Trichlorofluoromethane	ND		49.3	48.7		ug/Kg		99	55 - 155	9	25
Vinyl chloride	ND		49.3	69.1		ug/Kg		140	55 - 140	3	30
p-Isopropyltoluene	ND		49.3	61.4		ug/Kg		125	60 - 140	14	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	100		79 - 123
4-Bromofluorobenzene (Surr)	96		79 - 120
Dibromofluoromethane (Surr)	86		60 - 120

Lab Sample ID: MB 440-434635/4

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/12/17 08:45	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/12/17 08:45	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Benzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Bromoform	ND		5.0	2.0	ug/Kg			10/12/17 08:45	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/12/17 08:45	1
Chloroform	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434635/4

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/12/17 08:45	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Ethanol	ND		300	100	ug/Kg			10/12/17 08:45	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/12/17 08:45	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/12/17 08:45	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/12/17 08:45	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Styrene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/12/17 08:45	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Toluene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/12/17 08:45	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/12/17 08:45	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/12/17 08:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		79 - 123		10/12/17 08:45	1
4-Bromofluorobenzene (Surr)	104		79 - 120		10/12/17 08:45	1
Dibromofluoromethane (Surr)	111		60 - 120		10/12/17 08:45	1

Lab Sample ID: LCS 440-434635/5

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	59.7		ug/Kg		119	70 - 130
1,1,1-Trichloroethane	50.0	52.5		ug/Kg		105	65 - 135
1,1,2,2-Tetrachloroethane	50.0	60.4		ug/Kg		121	55 - 140
1,1,2-Trichloroethane	50.0	61.9		ug/Kg		124	65 - 135

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434635/5

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	53.1		ug/Kg		106	70 - 130
1,1-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 125
1,1-Dichloropropene	50.0	54.3		ug/Kg		109	70 - 130
1,2,3-Trichlorobenzene	50.0	58.2		ug/Kg		116	60 - 130
1,2,3-Trichloropropane	50.0	59.7		ug/Kg		119	60 - 135
1,2,4-Trichlorobenzene	50.0	55.1		ug/Kg		110	70 - 135
1,2,4-Trimethylbenzene	50.0	52.1		ug/Kg		104	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.5		ug/Kg		95	50 - 135
1,2-Dibromoethane (EDB)	50.0	57.5		ug/Kg		115	70 - 130
1,2-Dichlorobenzene	50.0	52.8		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	60.0		ug/Kg		120	60 - 140
1,2-Dichloropropane	50.0	57.5		ug/Kg		115	70 - 130
1,3,5-Trimethylbenzene	50.0	52.4		ug/Kg		105	70 - 125
1,3-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 125
1,3-Dichloropropane	50.0	60.0		ug/Kg		120	70 - 125
1,4-Dichlorobenzene	50.0	49.2		ug/Kg		98	75 - 120
2,2-Dichloropropane	50.0	64.2		ug/Kg		128	60 - 145
2-Chlorotoluene	50.0	56.8		ug/Kg		114	70 - 125
4-Chlorotoluene	50.0	57.3		ug/Kg		115	75 - 125
Benzene	50.0	53.8		ug/Kg		108	65 - 120
Bromobenzene	50.0	58.0		ug/Kg		116	75 - 120
Bromochloromethane	50.0	57.6		ug/Kg		115	70 - 135
Bromodichloromethane	50.0	60.0		ug/Kg		120	70 - 135
Bromoform	50.0	55.6		ug/Kg		111	55 - 135
Bromomethane	50.0	54.8		ug/Kg		110	60 - 145
Carbon tetrachloride	50.0	54.8		ug/Kg		110	65 - 140
Chlorobenzene	50.0	51.9		ug/Kg		104	75 - 120
Chloroethane	50.0	55.6		ug/Kg		111	60 - 140
Chloroform	50.0	54.3		ug/Kg		109	70 - 130
Chloromethane	50.0	53.6		ug/Kg		107	45 - 145
cis-1,2-Dichloroethene	50.0	54.9		ug/Kg		110	70 - 125
cis-1,3-Dichloropropene	50.0	60.4		ug/Kg		121	75 - 125
Dibromochloromethane	50.0	61.5		ug/Kg		123	65 - 140
Dibromomethane	50.0	58.9		ug/Kg		118	70 - 130
Dichlorodifluoromethane	50.0	52.3		ug/Kg		105	35 - 160
Isopropyl Ether (DIPE)	50.0	58.3		ug/Kg		117	60 - 140
Ethanol	2000	2400		ug/Kg		120	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	55.6		ug/Kg		111	60 - 140
Ethylbenzene	50.0	55.6		ug/Kg		111	70 - 125
Hexachlorobutadiene	50.0	46.7		ug/Kg		93	60 - 135
Isopropylbenzene	50.0	55.0		ug/Kg		110	75 - 130
m,p-Xylene	50.0	56.0		ug/Kg		112	70 - 125
Methylene Chloride	50.0	48.6		ug/Kg		97	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	53.3		ug/Kg		107	60 - 140
Naphthalene	50.0	54.0		ug/Kg		108	55 - 135
n-Butylbenzene	50.0	50.6		ug/Kg		101	70 - 130
N-Propylbenzene	50.0	52.5		ug/Kg		105	70 - 130
o-Xylene	50.0	58.1		ug/Kg		116	70 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434635/5

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	50.0	49.6		ug/Kg		99	70 - 125
Styrene	50.0	53.1		ug/Kg		106	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	50.7		ug/Kg		101	60 - 145
tert-Butyl alcohol (TBA)	500	576		ug/Kg		115	70 - 135
tert-Butylbenzene	50.0	52.4		ug/Kg		105	70 - 125
Tetrachloroethene	50.0	52.5		ug/Kg		105	70 - 125
Toluene	50.0	58.8		ug/Kg		118	70 - 125
trans-1,2-Dichloroethene	50.0	51.1		ug/Kg		102	70 - 125
trans-1,3-Dichloropropene	50.0	59.9		ug/Kg		120	70 - 135
Trichloroethene	50.0	52.9		ug/Kg		106	70 - 125
Trichlorofluoromethane	50.0	51.8		ug/Kg		104	60 - 145
Vinyl chloride	50.0	55.3		ug/Kg		111	55 - 135
p-Isopropyltoluene	50.0	52.8		ug/Kg		106	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		79 - 123
4-Bromofluorobenzene (Surr)	109		79 - 120
Dibromofluoromethane (Surr)	102		60 - 120

Lab Sample ID: LCSD 440-434635/6

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	59.0		ug/Kg		118	70 - 130	1	20
1,1,1-Trichloroethane	50.0	51.6		ug/Kg		103	65 - 135	2	20
1,1,2,2-Tetrachloroethane	50.0	59.9		ug/Kg		120	55 - 140	1	30
1,1,2-Trichloroethane	50.0	61.0		ug/Kg		122	65 - 135	1	20
1,1-Dichloroethane	50.0	53.6		ug/Kg		107	70 - 130	1	20
1,1-Dichloroethene	50.0	47.2		ug/Kg		94	70 - 125	4	20
1,1-Dichloropropene	50.0	55.5		ug/Kg		111	70 - 130	2	20
1,2,3-Trichlorobenzene	50.0	56.5		ug/Kg		113	60 - 130	3	20
1,2,3-Trichloropropane	50.0	57.1		ug/Kg		114	60 - 135	4	25
1,2,4-Trichlorobenzene	50.0	54.6		ug/Kg		109	70 - 135	1	20
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 125	1	20
1,2-Dibromo-3-Chloropropane	50.0	48.6		ug/Kg		97	50 - 135	2	30
1,2-Dibromoethane (EDB)	50.0	57.5		ug/Kg		115	70 - 130	0	20
1,2-Dichlorobenzene	50.0	52.8		ug/Kg		106	75 - 120	0	20
1,2-Dichloroethane	50.0	60.4		ug/Kg		121	60 - 140	1	20
1,2-Dichloropropane	50.0	57.4		ug/Kg		115	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	51.2		ug/Kg		102	70 - 125	2	20
1,3-Dichlorobenzene	50.0	51.4		ug/Kg		103	75 - 125	0	20
1,3-Dichloropropane	50.0	59.3		ug/Kg		119	70 - 125	1	20
1,4-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120	1	20
2,2-Dichloropropane	50.0	63.7		ug/Kg		127	60 - 145	1	20
2-Chlorotoluene	50.0	55.9		ug/Kg		112	70 - 125	2	20
4-Chlorotoluene	50.0	57.3		ug/Kg		115	75 - 125	0	20
Benzene	50.0	53.6		ug/Kg		107	65 - 120	0	20

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-434635/6

Matrix: Solid

Analysis Batch: 434635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	50.0	56.4		ug/Kg		113	75 - 120	3	20
Bromochloromethane	50.0	58.2		ug/Kg		116	70 - 135	1	20
Bromodichloromethane	50.0	58.7		ug/Kg		117	70 - 135	2	20
Bromoform	50.0	55.9		ug/Kg		112	55 - 135	0	25
Bromomethane	50.0	52.1		ug/Kg		104	60 - 145	5	20
Carbon tetrachloride	50.0	53.3		ug/Kg		107	65 - 140	3	20
Chlorobenzene	50.0	51.4		ug/Kg		103	75 - 120	1	20
Chloroethane	50.0	52.8		ug/Kg		106	60 - 140	5	25
Chloroform	50.0	54.1		ug/Kg		108	70 - 130	0	20
Chloromethane	50.0	51.9		ug/Kg		104	45 - 145	3	25
cis-1,2-Dichloroethene	50.0	54.9		ug/Kg		110	70 - 125	0	20
cis-1,3-Dichloropropene	50.0	59.2		ug/Kg		118	75 - 125	2	20
Dibromochloromethane	50.0	59.0		ug/Kg		118	65 - 140	4	20
Dibromomethane	50.0	58.8		ug/Kg		118	70 - 130	0	20
Dichlorodifluoromethane	50.0	46.3		ug/Kg		93	35 - 160	12	30
Isopropyl Ether (DIPE)	50.0	59.2		ug/Kg		118	60 - 140	2	20
Ethanol	2000	2250		ug/Kg		113	35 - 160	7	30
Ethyl-t-butyl ether (ETBE)	50.0	57.0		ug/Kg		114	60 - 140	3	20
Ethylbenzene	50.0	55.5		ug/Kg		111	70 - 125	0	20
Hexachlorobutadiene	50.0	41.0		ug/Kg		82	60 - 135	13	20
Isopropylbenzene	50.0	54.6		ug/Kg		109	75 - 130	1	20
m,p-Xylene	50.0	56.7		ug/Kg		113	70 - 125	1	20
Methylene Chloride	50.0	46.8		ug/Kg		94	55 - 135	4	20
Methyl-t-Butyl Ether (MTBE)	50.0	54.6		ug/Kg		109	60 - 140	2	25
Naphthalene	50.0	54.0		ug/Kg		108	55 - 135	0	25
n-Butylbenzene	50.0	47.9		ug/Kg		96	70 - 130	6	20
N-Propylbenzene	50.0	51.6		ug/Kg		103	70 - 130	2	20
o-Xylene	50.0	57.8		ug/Kg		116	70 - 125	0	20
sec-Butylbenzene	50.0	47.6		ug/Kg		95	70 - 125	4	20
Styrene	50.0	54.5		ug/Kg		109	75 - 130	3	20
Tert-amyl-methyl ether (TAME)	50.0	52.1		ug/Kg		104	60 - 145	3	20
tert-Butyl alcohol (TBA)	500	548		ug/Kg		110	70 - 135	5	20
tert-Butylbenzene	50.0	50.3		ug/Kg		101	70 - 125	4	20
Tetrachloroethene	50.0	50.9		ug/Kg		102	70 - 125	3	20
Toluene	50.0	57.8		ug/Kg		116	70 - 125	2	20
trans-1,2-Dichloroethene	50.0	53.3		ug/Kg		107	70 - 125	4	20
trans-1,3-Dichloropropene	50.0	60.4		ug/Kg		121	70 - 135	1	20
Trichloroethene	50.0	52.5		ug/Kg		105	70 - 125	1	20
Trichlorofluoromethane	50.0	47.9		ug/Kg		96	60 - 145	8	25
Vinyl chloride	50.0	52.0		ug/Kg		104	55 - 135	6	25
p-Isopropyltoluene	50.0	49.9		ug/Kg		100	75 - 125	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	105		79 - 123
4-Bromofluorobenzene (Surr)	109		79 - 120
Dibromofluoromethane (Surr)	103		60 - 120

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434789/3

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,1,2-Trichloroethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,1-Dichloroethene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
1,1-Dichloropropene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,2,3-Trichlorobenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
1,2,3-Trichloropropane	ND		5.0	0.50	ug/Kg			10/12/17 20:20	1
1,2,4-Trichlorobenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,2-Dibromo-3-Chloropropane	ND		2.5	1.0	ug/Kg			10/12/17 20:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,2-Dichloroethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,3-Dichlorobenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
1,4-Dichlorobenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
2-Chlorotoluene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
4-Chlorotoluene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Benzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Bromobenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Bromochloromethane	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Bromodichloromethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Bromoform	ND		2.5	1.0	ug/Kg			10/12/17 20:20	1
Bromomethane	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Carbon tetrachloride	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Chlorobenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Chloroethane	ND		2.5	1.0	ug/Kg			10/12/17 20:20	1
Chloroform	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Chloromethane	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Dibromochloromethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Dibromomethane	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Dichlorodifluoromethane	ND		2.5	1.0	ug/Kg			10/12/17 20:20	1
Isopropyl Ether (DIPE)	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Ethanol	ND		150	50	ug/Kg			10/12/17 20:20	1
Ethyl-t-butyl ether (ETBE)	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Ethylbenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Hexachlorobutadiene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Isopropylbenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
m,p-Xylene	ND		2.0	1.0	ug/Kg			10/12/17 20:20	1
Methylene Chloride	ND		10	2.5	ug/Kg			10/12/17 20:20	1
Methyl-t-Butyl Ether (MTBE)	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434789/3

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.5	1.0	ug/Kg			10/12/17 20:20	1
n-Butylbenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
N-Propylbenzene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
o-Xylene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
sec-Butylbenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Styrene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Tert-amyl-methyl ether (TAME)	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
tert-Butyl alcohol (TBA)	ND		50	5.0	ug/Kg			10/12/17 20:20	1
tert-Butylbenzene	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Tetrachloroethene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Toluene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
trans-1,3-Dichloropropene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Trichloroethene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1
Trichlorofluoromethane	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Vinyl chloride	ND		2.5	0.50	ug/Kg			10/12/17 20:20	1
Xylenes, Total	ND		2.0	1.0	ug/Kg			10/12/17 20:20	1
p-Isopropyltoluene	ND		1.0	0.50	ug/Kg			10/12/17 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		79 - 123		10/12/17 20:20	1
4-Bromofluorobenzene (Surr)	93		79 - 120		10/12/17 20:20	1
Dibromofluoromethane (Surr)	86		60 - 120		10/12/17 20:20	1

Lab Sample ID: LCS 440-434789/4

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	70 - 130
1,1,1-Trichloroethane	50.0	45.2		ug/Kg		90	65 - 135
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/Kg		101	55 - 140
1,1,2-Trichloroethane	50.0	48.5		ug/Kg		97	65 - 135
1,1-Dichloroethane	50.0	50.3		ug/Kg		101	70 - 130
1,1-Dichloroethene	50.0	51.6		ug/Kg		103	70 - 125
1,1-Dichloropropene	50.0	47.3		ug/Kg		95	70 - 130
1,2,3-Trichlorobenzene	50.0	54.3		ug/Kg		109	60 - 130
1,2,3-Trichloropropane	50.0	52.6		ug/Kg		105	60 - 135
1,2,4-Trichlorobenzene	50.0	54.8		ug/Kg		110	70 - 135
1,2,4-Trimethylbenzene	50.0	55.4		ug/Kg		111	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.1		ug/Kg		98	50 - 135
1,2-Dibromoethane (EDB)	50.0	49.4		ug/Kg		99	70 - 130
1,2-Dichlorobenzene	50.0	50.7		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.0	47.1		ug/Kg		94	60 - 140
1,2-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 130
1,3,5-Trimethylbenzene	50.0	55.4		ug/Kg		111	70 - 125
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	75 - 125
1,3-Dichloropropane	50.0	47.8		ug/Kg		96	70 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434789/4

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 120
2,2-Dichloropropane	50.0	43.0		ug/Kg		86	60 - 145
2-Chlorotoluene	50.0	51.4		ug/Kg		103	70 - 125
4-Chlorotoluene	50.0	53.3		ug/Kg		107	75 - 125
Benzene	50.0	49.5		ug/Kg		99	65 - 120
Bromobenzene	50.0	51.7		ug/Kg		103	75 - 120
Bromochloromethane	50.0	54.4		ug/Kg		109	70 - 135
Bromodichloromethane	50.0	48.4		ug/Kg		97	70 - 135
Bromoform	50.0	49.6		ug/Kg		99	55 - 135
Bromomethane	50.0	47.4		ug/Kg		95	60 - 145
Carbon tetrachloride	50.0	43.1		ug/Kg		86	65 - 140
Chlorobenzene	50.0	48.8		ug/Kg		98	75 - 120
Chloroethane	50.0	43.6		ug/Kg		87	60 - 140
Chloroform	50.0	45.6		ug/Kg		91	70 - 130
Chloromethane	50.0	58.8		ug/Kg		118	45 - 145
cis-1,2-Dichloroethene	50.0	50.6		ug/Kg		101	70 - 125
cis-1,3-Dichloropropene	50.0	50.5		ug/Kg		101	75 - 125
Dibromochloromethane	50.0	47.2		ug/Kg		94	65 - 140
Dibromomethane	50.0	42.2		ug/Kg		84	70 - 130
Dichlorodifluoromethane	50.0	40.7		ug/Kg		81	35 - 160
Isopropyl Ether (DIPE)	50.0	65.2		ug/Kg		130	60 - 140
Ethanol	2000	2650		ug/Kg		133	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	47.6		ug/Kg		95	60 - 140
Ethylbenzene	50.0	48.3		ug/Kg		97	70 - 125
Hexachlorobutadiene	50.0	50.5		ug/Kg		101	60 - 135
Isopropylbenzene	50.0	51.1		ug/Kg		102	75 - 130
m,p-Xylene	50.0	52.1		ug/Kg		104	70 - 125
Methylene Chloride	50.0	48.5		ug/Kg		97	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	47.3		ug/Kg		95	60 - 140
Naphthalene	50.0	53.6		ug/Kg		107	55 - 135
n-Butylbenzene	50.0	51.2		ug/Kg		102	70 - 130
N-Propylbenzene	50.0	52.3		ug/Kg		105	70 - 130
o-Xylene	50.0	52.5		ug/Kg		105	70 - 125
sec-Butylbenzene	50.0	53.8		ug/Kg		108	70 - 125
Styrene	50.0	49.0		ug/Kg		98	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	45.1		ug/Kg		90	60 - 145
tert-Butyl alcohol (TBA)	500	543		ug/Kg		109	70 - 135
tert-Butylbenzene	50.0	52.4		ug/Kg		105	70 - 125
Tetrachloroethene	50.0	46.3		ug/Kg		93	70 - 125
Toluene	50.0	50.3		ug/Kg		101	70 - 125
trans-1,2-Dichloroethene	50.0	49.6		ug/Kg		99	70 - 125
trans-1,3-Dichloropropene	50.0	50.1		ug/Kg		100	70 - 135
Trichloroethene	50.0	52.2		ug/Kg		104	70 - 125
Trichlorofluoromethane	50.0	42.1		ug/Kg		84	60 - 145
Vinyl chloride	50.0	51.5		ug/Kg		103	55 - 135
p-Isopropyltoluene	50.0	51.7		ug/Kg		103	75 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434789/4

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		79 - 123
4-Bromofluorobenzene (Surr)	92		79 - 120
Dibromofluoromethane (Surr)	87		60 - 120

Lab Sample ID: LCSD 440-434789/5

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	53.8		ug/Kg		108	70 - 130	5	20
1,1,1-Trichloroethane	50.0	44.3		ug/Kg		89	65 - 135	2	20
1,1,2,2-Tetrachloroethane	50.0	49.2		ug/Kg		98	55 - 140	2	30
1,1,2-Trichloroethane	50.0	49.8		ug/Kg		100	65 - 135	3	20
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130	2	20
1,1-Dichloroethene	50.0	49.1		ug/Kg		98	70 - 125	5	20
1,1-Dichloropropene	50.0	48.1		ug/Kg		96	70 - 130	2	20
1,2,3-Trichlorobenzene	50.0	58.2		ug/Kg		116	60 - 130	7	20
1,2,3-Trichloropropane	50.0	49.0		ug/Kg		98	60 - 135	7	25
1,2,4-Trichlorobenzene	50.0	55.3		ug/Kg		111	70 - 135	1	20
1,2,4-Trimethylbenzene	50.0	59.2		ug/Kg		118	70 - 125	7	20
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/Kg		85	50 - 135	14	30
1,2-Dibromoethane (EDB)	50.0	52.1		ug/Kg		104	70 - 130	5	20
1,2-Dichlorobenzene	50.0	53.5		ug/Kg		107	75 - 120	5	20
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	60 - 140	2	20
1,2-Dichloropropane	50.0	50.5		ug/Kg		101	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	59.4		ug/Kg		119	70 - 125	7	20
1,3-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 125	4	20
1,3-Dichloropropane	50.0	48.5		ug/Kg		97	70 - 125	1	20
1,4-Dichlorobenzene	50.0	51.4		ug/Kg		103	75 - 120	5	20
2,2-Dichloropropane	50.0	45.7		ug/Kg		91	60 - 145	6	20
2-Chlorotoluene	50.0	54.5		ug/Kg		109	70 - 125	6	20
4-Chlorotoluene	50.0	54.7		ug/Kg		109	75 - 125	3	20
Benzene	50.0	50.3		ug/Kg		101	65 - 120	2	20
Bromobenzene	50.0	53.8		ug/Kg		108	75 - 120	4	20
Bromochloromethane	50.0	52.7		ug/Kg		105	70 - 135	3	20
Bromodichloromethane	50.0	46.8		ug/Kg		94	70 - 135	3	20
Bromoform	50.0	49.3		ug/Kg		99	55 - 135	0	25
Bromomethane	50.0	48.5		ug/Kg		97	60 - 145	2	20
Carbon tetrachloride	50.0	43.5		ug/Kg		87	65 - 140	1	20
Chlorobenzene	50.0	49.3		ug/Kg		99	75 - 120	1	20
Chloroethane	50.0	43.8		ug/Kg		88	60 - 140	0	25
Chloroform	50.0	45.4		ug/Kg		91	70 - 130	1	20
Chloromethane	50.0	58.7		ug/Kg		117	45 - 145	0	25
cis-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	70 - 125	3	20
cis-1,3-Dichloropropene	50.0	52.0		ug/Kg		104	75 - 125	3	20
Dibromochloromethane	50.0	49.7		ug/Kg		99	65 - 140	5	20
Dibromomethane	50.0	42.6		ug/Kg		85	70 - 130	1	20
Dichlorodifluoromethane	50.0	41.9		ug/Kg		84	35 - 160	3	30

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-434789/5

Matrix: Solid

Analysis Batch: 434789

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropyl Ether (DIPE)	50.0	65.7		ug/Kg		131	60 - 140	1	20
Ethanol	2000	2810		ug/Kg		141	35 - 160	6	30
Ethyl-t-butyl ether (ETBE)	50.0	48.6		ug/Kg		97	60 - 140	2	20
Ethylbenzene	50.0	50.0		ug/Kg		100	70 - 125	3	20
Hexachlorobutadiene	50.0	54.2		ug/Kg		108	60 - 135	7	20
Isopropylbenzene	50.0	53.6		ug/Kg		107	75 - 130	5	20
m,p-Xylene	50.0	52.0		ug/Kg		104	70 - 125	0	20
Methylene Chloride	50.0	48.8		ug/Kg		98	55 - 135	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	45.3		ug/Kg		91	60 - 140	4	25
Naphthalene	50.0	53.6		ug/Kg		107	55 - 135	0	25
n-Butylbenzene	50.0	53.8		ug/Kg		108	70 - 130	5	20
N-Propylbenzene	50.0	55.9		ug/Kg		112	70 - 130	7	20
o-Xylene	50.0	53.0		ug/Kg		106	70 - 125	1	20
sec-Butylbenzene	50.0	57.9		ug/Kg		116	70 - 125	7	20
Styrene	50.0	50.9		ug/Kg		102	75 - 130	4	20
Tert-amyl-methyl ether (TAME)	50.0	45.0		ug/Kg		90	60 - 145	0	20
tert-Butyl alcohol (TBA)	500	555		ug/Kg		111	70 - 135	2	20
tert-Butylbenzene	50.0	55.5		ug/Kg		111	70 - 125	6	20
Tetrachloroethene	50.0	52.4		ug/Kg		105	70 - 125	12	20
Toluene	50.0	52.6		ug/Kg		105	70 - 125	4	20
trans-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	70 - 125	2	20
trans-1,3-Dichloropropene	50.0	50.4		ug/Kg		101	70 - 135	1	20
Trichloroethene	50.0	53.9		ug/Kg		108	70 - 125	3	20
Trichlorofluoromethane	50.0	41.5		ug/Kg		83	60 - 145	1	25
Vinyl chloride	50.0	54.3		ug/Kg		109	55 - 135	5	25
p-Isopropyltoluene	50.0	55.8		ug/Kg		112	75 - 125	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		79 - 123
4-Bromofluorobenzene (Surr)	94		79 - 120
Dibromofluoromethane (Surr)	92		60 - 120

Lab Sample ID: MB 440-434964/4

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/13/17 09:17	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434964/4

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/13/17 09:17	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Benzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Bromoform	ND		5.0	2.0	ug/Kg			10/13/17 09:17	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/13/17 09:17	1
Chloroform	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/13/17 09:17	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Ethanol	ND		300	100	ug/Kg			10/13/17 09:17	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/13/17 09:17	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/13/17 09:17	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/13/17 09:17	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Styrene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/13/17 09:17	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Toluene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-434964/4

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/13/17 09:17	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/13/17 09:17	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/13/17 09:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		79 - 123		10/13/17 09:17	1
4-Bromofluorobenzene (Surr)	107		79 - 120		10/13/17 09:17	1
Dibromofluoromethane (Surr)	108		60 - 120		10/13/17 09:17	1

Lab Sample ID: LCS 440-434964/5

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	60.7		ug/Kg		121	70 - 130
1,1,1-Trichloroethane	50.0	55.8		ug/Kg		112	65 - 135
1,1,2,2-Tetrachloroethane	50.0	63.7		ug/Kg		127	55 - 140
1,1,2-Trichloroethane	50.0	63.3		ug/Kg		127	65 - 135
1,1-Dichloroethane	50.0	55.1		ug/Kg		110	70 - 130
1,1-Dichloroethene	50.0	52.7		ug/Kg		105	70 - 125
1,1-Dichloropropene	50.0	57.0		ug/Kg		114	70 - 130
1,2,3-Trichlorobenzene	50.0	62.0		ug/Kg		124	60 - 130
1,2,3-Trichloropropane	50.0	61.5		ug/Kg		123	60 - 135
1,2,4-Trichlorobenzene	50.0	61.7		ug/Kg		123	70 - 135
1,2,4-Trimethylbenzene	50.0	55.8		ug/Kg		112	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	52.3		ug/Kg		105	50 - 135
1,2-Dibromoethane (EDB)	50.0	61.6		ug/Kg		123	70 - 130
1,2-Dichlorobenzene	50.0	55.0		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	58.9		ug/Kg		118	60 - 140
1,2-Dichloropropane	50.0	59.6		ug/Kg		119	70 - 130
1,3,5-Trimethylbenzene	50.0	56.0		ug/Kg		112	70 - 125
1,3-Dichlorobenzene	50.0	54.9		ug/Kg		110	75 - 125
1,3-Dichloropropane	50.0	62.1		ug/Kg		124	70 - 125
1,4-Dichlorobenzene	50.0	54.5		ug/Kg		109	75 - 120
2,2-Dichloropropane	50.0	67.0		ug/Kg		134	60 - 145
2-Chlorotoluene	50.0	59.5		ug/Kg		119	70 - 125
4-Chlorotoluene	50.0	62.4		ug/Kg		125	75 - 125
Benzene	50.0	56.3		ug/Kg		113	65 - 120
Bromobenzene	50.0	59.7		ug/Kg		119	75 - 120
Bromochloromethane	50.0	59.3		ug/Kg		119	70 - 135
Bromodichloromethane	50.0	60.4		ug/Kg		121	70 - 135
Bromoform	50.0	59.8		ug/Kg		120	55 - 135
Bromomethane	50.0	55.3		ug/Kg		111	60 - 145
Carbon tetrachloride	50.0	57.6		ug/Kg		115	65 - 140

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-434964/5

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	54.2		ug/Kg		108	75 - 120
Chloroethane	50.0	56.2		ug/Kg		112	60 - 140
Chloroform	50.0	55.6		ug/Kg		111	70 - 130
Chloromethane	50.0	54.9		ug/Kg		110	45 - 145
cis-1,2-Dichloroethene	50.0	56.5		ug/Kg		113	70 - 125
cis-1,3-Dichloropropene	50.0	60.9		ug/Kg		122	75 - 125
Dibromochloromethane	50.0	62.5		ug/Kg		125	65 - 140
Dibromomethane	50.0	60.5		ug/Kg		121	70 - 130
Dichlorodifluoromethane	50.0	54.1		ug/Kg		108	35 - 160
Isopropyl Ether (DIPE)	50.0	60.6		ug/Kg		121	60 - 140
Ethanol	2000	2410		ug/Kg		121	35 - 160
Ethyl-t-butyl ether (ETBE)	50.0	57.7		ug/Kg		115	60 - 140
Ethylbenzene	50.0	60.1		ug/Kg		120	70 - 125
Hexachlorobutadiene	50.0	52.8		ug/Kg		106	60 - 135
Isopropylbenzene	50.0	59.2		ug/Kg		118	75 - 130
m,p-Xylene	50.0	60.3		ug/Kg		121	70 - 125
Methylene Chloride	50.0	50.7		ug/Kg		101	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	55.3		ug/Kg		111	60 - 140
Naphthalene	50.0	58.1		ug/Kg		116	55 - 135
n-Butylbenzene	50.0	57.2		ug/Kg		114	70 - 130
N-Propylbenzene	50.0	56.6		ug/Kg		113	70 - 130
o-Xylene	50.0	60.7		ug/Kg		121	70 - 125
sec-Butylbenzene	50.0	53.8		ug/Kg		108	70 - 125
Styrene	50.0	57.5		ug/Kg		115	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	52.1		ug/Kg		104	60 - 145
tert-Butyl alcohol (TBA)	500	590		ug/Kg		118	70 - 135
tert-Butylbenzene	50.0	55.8		ug/Kg		112	70 - 125
Tetrachloroethene	50.0	55.5		ug/Kg		111	70 - 125
Toluene	50.0	61.2		ug/Kg		122	70 - 125
trans-1,2-Dichloroethene	50.0	54.0		ug/Kg		108	70 - 125
trans-1,3-Dichloropropene	50.0	60.3		ug/Kg		121	70 - 135
Trichloroethene	50.0	54.1		ug/Kg		108	70 - 125
Trichlorofluoromethane	50.0	54.8		ug/Kg		110	60 - 145
Vinyl chloride	50.0	56.8		ug/Kg		114	55 - 135
p-Isopropyltoluene	50.0	57.2		ug/Kg		114	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		79 - 123
4-Bromofluorobenzene (Surr)	109		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120

Lab Sample ID: LCSD 440-434964/6

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/Kg		106	70 - 130	14	20
1,1,1-Trichloroethane	50.0	44.4	*	ug/Kg		89	65 - 135	23	20

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-434964/6

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/Kg		110	55 - 140	15	30
1,1,2-Trichloroethane	50.0	55.1		ug/Kg		110	65 - 135	14	20
1,1-Dichloroethane	50.0	48.0		ug/Kg		96	70 - 130	14	20
1,1-Dichloroethene	50.0	41.1	*	ug/Kg		82	70 - 125	25	20
1,1-Dichloropropene	50.0	48.3		ug/Kg		97	70 - 130	17	20
1,2,3-Trichlorobenzene	50.0	53.3		ug/Kg		107	60 - 130	15	20
1,2,3-Trichloropropane	50.0	53.3		ug/Kg		107	60 - 135	14	25
1,2,4-Trichlorobenzene	50.0	51.1		ug/Kg		102	70 - 135	19	20
1,2,4-Trimethylbenzene	50.0	46.8		ug/Kg		94	70 - 125	17	20
1,2-Dibromo-3-Chloropropane	50.0	41.3		ug/Kg		83	50 - 135	23	30
1,2-Dibromoethane (EDB)	50.0	52.6		ug/Kg		105	70 - 130	16	20
1,2-Dichlorobenzene	50.0	47.9		ug/Kg		96	75 - 120	14	20
1,2-Dichloroethane	50.0	53.1		ug/Kg		106	60 - 140	10	20
1,2-Dichloropropane	50.0	51.7		ug/Kg		103	70 - 130	14	20
1,3,5-Trimethylbenzene	50.0	47.2		ug/Kg		94	70 - 125	17	20
1,3-Dichlorobenzene	50.0	47.6		ug/Kg		95	75 - 125	14	20
1,3-Dichloropropane	50.0	54.1		ug/Kg		108	70 - 125	14	20
1,4-Dichlorobenzene	50.0	47.0		ug/Kg		94	75 - 120	15	20
2,2-Dichloropropane	50.0	54.0	*	ug/Kg		108	60 - 145	21	20
2-Chlorotoluene	50.0	51.4		ug/Kg		103	70 - 125	15	20
4-Chlorotoluene	50.0	52.9		ug/Kg		106	75 - 125	17	20
Benzene	50.0	48.7		ug/Kg		97	65 - 120	15	20
Bromobenzene	50.0	52.7		ug/Kg		105	75 - 120	12	20
Bromochloromethane	50.0	53.1		ug/Kg		106	70 - 135	11	20
Bromodichloromethane	50.0	53.6		ug/Kg		107	70 - 135	12	20
Bromoform	50.0	49.7		ug/Kg		99	55 - 135	18	25
Bromomethane	50.0	45.9		ug/Kg		92	60 - 145	18	20
Carbon tetrachloride	50.0	45.7	*	ug/Kg		91	65 - 140	23	20
Chlorobenzene	50.0	47.3		ug/Kg		95	75 - 120	14	20
Chloroethane	50.0	46.9		ug/Kg		94	60 - 140	18	25
Chloroform	50.0	49.0		ug/Kg		98	70 - 130	13	20
Chloromethane	50.0	46.1		ug/Kg		92	45 - 145	18	25
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	70 - 125	12	20
cis-1,3-Dichloropropene	50.0	54.3		ug/Kg		109	75 - 125	11	20
Dibromochloromethane	50.0	53.9		ug/Kg		108	65 - 140	15	20
Dibromomethane	50.0	52.7		ug/Kg		105	70 - 130	14	20
Dichlorodifluoromethane	50.0	38.1	*	ug/Kg		76	35 - 160	35	30
Isopropyl Ether (DIPE)	50.0	53.2		ug/Kg		106	60 - 140	13	20
Ethanol	2000	2060		ug/Kg		103	35 - 160	16	30
Ethyl-t-butyl ether (ETBE)	50.0	50.0		ug/Kg		100	60 - 140	14	20
Ethylbenzene	50.0	49.5		ug/Kg		99	70 - 125	19	20
Hexachlorobutadiene	50.0	43.3		ug/Kg		87	60 - 135	20	20
Isopropylbenzene	50.0	48.5		ug/Kg		97	75 - 130	20	20
m,p-Xylene	50.0	51.1		ug/Kg		102	70 - 125	16	20
Methylene Chloride	50.0	43.3		ug/Kg		87	55 - 135	16	20
Methyl-t-Butyl Ether (MTBE)	50.0	46.8		ug/Kg		94	60 - 140	17	25
Naphthalene	50.0	48.5		ug/Kg		97	55 - 135	18	25
n-Butylbenzene	50.0	46.5	*	ug/Kg		93	70 - 130	21	20

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-434964/6

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	50.0	46.9		ug/Kg		94	70 - 130	19	20
o-Xylene	50.0	51.5		ug/Kg		103	70 - 125	16	20
sec-Butylbenzene	50.0	44.1		ug/Kg		88	70 - 125	20	20
Styrene	50.0	48.9		ug/Kg		98	75 - 130	16	20
Tert-amyl-methyl ether (TAME)	50.0	46.8		ug/Kg		94	60 - 145	11	20
tert-Butyl alcohol (TBA)	500	488		ug/Kg		98	70 - 135	19	20
tert-Butylbenzene	50.0	46.7		ug/Kg		93	70 - 125	18	20
Tetrachloroethene	50.0	46.4		ug/Kg		93	70 - 125	18	20
Toluene	50.0	52.1		ug/Kg		104	70 - 125	16	20
trans-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	70 - 125	15	20
trans-1,3-Dichloropropene	50.0	55.0		ug/Kg		110	70 - 135	9	20
Trichloroethene	50.0	46.7		ug/Kg		93	70 - 125	15	20
Trichlorofluoromethane	50.0	41.6	*	ug/Kg		83	60 - 145	27	25
Vinyl chloride	50.0	45.0		ug/Kg		90	55 - 135	23	25
p-Isopropyltoluene	50.0	47.2		ug/Kg		94	75 - 125	19	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		79 - 123
4-Bromofluorobenzene (Surr)	110		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120

Lab Sample ID: 440-193786-5 MS

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: SB6-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.9	51.1		ug/Kg		102	65 - 145
1,1,1-Trichloroethane	ND	*	49.9	45.9		ug/Kg		92	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.9	51.5		ug/Kg		103	40 - 160
1,1,2-Trichloroethane	ND		49.9	52.6		ug/Kg		105	65 - 140
1,1-Dichloroethane	ND		49.9	46.5		ug/Kg		93	65 - 135
1,1-Dichloroethene	ND	*	49.9	46.6		ug/Kg		93	65 - 135
1,1-Dichloropropene	ND	F2	49.9	48.6		ug/Kg		97	65 - 135
1,2,3-Trichlorobenzene	ND		49.9	49.9		ug/Kg		100	45 - 145
1,2,3-Trichloropropane	ND		49.9	51.0		ug/Kg		102	50 - 150
1,2,4-Trichlorobenzene	ND		49.9	48.1		ug/Kg		96	50 - 140
1,2,4-Trimethylbenzene	ND		49.9	46.3		ug/Kg		93	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.9	41.3		ug/Kg		83	40 - 150
1,2-Dibromoethane (EDB)	ND		49.9	51.5		ug/Kg		103	65 - 140
1,2-Dichlorobenzene	ND		49.9	45.0		ug/Kg		90	70 - 130
1,2-Dichloroethane	ND		49.9	50.5		ug/Kg		101	60 - 150
1,2-Dichloropropane	ND		49.9	48.3		ug/Kg		97	65 - 130
1,3,5-Trimethylbenzene	ND		49.9	46.0		ug/Kg		92	65 - 135
1,3-Dichlorobenzene	ND		49.9	45.2		ug/Kg		90	70 - 130
1,3-Dichloropropane	ND		49.9	51.3		ug/Kg		103	65 - 140
1,4-Dichlorobenzene	ND		49.9	43.3		ug/Kg		87	70 - 130
2,2-Dichloropropane	ND	*	49.9	57.9		ug/Kg		116	65 - 150
2-Chlorotoluene	ND		49.9	48.5		ug/Kg		97	60 - 135

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193786-5 MS

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: SB6-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	ND		49.9	50.6		ug/Kg		101	65 - 135
Benzene	ND		49.9	46.5		ug/Kg		93	65 - 130
Bromobenzene	ND		49.9	48.4		ug/Kg		97	65 - 140
Bromochloromethane	ND		49.9	49.8		ug/Kg		100	65 - 145
Bromodichloromethane	ND		49.9	50.9		ug/Kg		102	65 - 145
Bromoform	ND		49.9	48.2		ug/Kg		97	50 - 145
Bromomethane	ND		49.9	48.0		ug/Kg		96	60 - 155
Carbon tetrachloride	ND *		49.9	48.0		ug/Kg		96	60 - 145
Chlorobenzene	ND		49.9	45.9		ug/Kg		92	70 - 130
Chloroethane	ND		49.9	49.0		ug/Kg		98	60 - 150
Chloroform	ND		49.9	46.4		ug/Kg		93	65 - 135
Chloromethane	ND		49.9	47.2		ug/Kg		95	40 - 145
cis-1,2-Dichloroethene	ND		49.9	47.3		ug/Kg		95	65 - 135
cis-1,3-Dichloropropene	ND		49.9	51.4		ug/Kg		103	70 - 135
Dibromochloromethane	ND		49.9	51.9		ug/Kg		104	60 - 145
Dibromomethane	ND		49.9	50.5		ug/Kg		101	65 - 140
Dichlorodifluoromethane	ND *		49.9	45.3		ug/Kg		91	30 - 160
Isopropyl Ether (DIPE)	ND		49.9	49.5		ug/Kg		99	60 - 150
Ethanol	ND		2000	2050		ug/Kg		103	30 - 165
Ethyl-t-butyl ether (ETBE)	ND		49.9	47.5		ug/Kg		95	60 - 145
Ethylbenzene	ND		49.9	49.8		ug/Kg		100	70 - 135
Hexachlorobutadiene	ND		49.9	42.2		ug/Kg		85	50 - 145
Isopropylbenzene	ND		49.9	49.2		ug/Kg		99	70 - 145
m,p-Xylene	ND		49.9	50.8		ug/Kg		102	70 - 130
Methylene Chloride	ND		49.9	44.9		ug/Kg		90	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.9	45.3		ug/Kg		91	55 - 155
Naphthalene	ND		49.9	46.0		ug/Kg		92	40 - 150
n-Butylbenzene	ND *		49.9	46.7		ug/Kg		94	55 - 145
N-Propylbenzene	ND		49.9	46.7		ug/Kg		94	65 - 140
o-Xylene	ND		49.9	51.6		ug/Kg		103	65 - 130
sec-Butylbenzene	ND		49.9	44.5		ug/Kg		89	60 - 135
Styrene	ND		49.9	47.5		ug/Kg		95	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.9	43.7		ug/Kg		87	60 - 150
tert-Butyl alcohol (TBA)	ND		499	482		ug/Kg		97	65 - 145
tert-Butylbenzene	ND		49.9	45.2		ug/Kg		91	60 - 140
Tetrachloroethene	ND		49.9	46.2		ug/Kg		93	65 - 135
Toluene	ND		49.9	52.3		ug/Kg		105	70 - 130
trans-1,2-Dichloroethene	ND		49.9	46.6		ug/Kg		93	70 - 135
trans-1,3-Dichloropropene	ND		49.9	50.4		ug/Kg		101	60 - 145
Trichloroethene	ND		49.9	46.6		ug/Kg		93	65 - 140
Trichlorofluoromethane	ND *		49.9	47.1		ug/Kg		94	55 - 155
Vinyl chloride	ND		49.9	48.7		ug/Kg		98	55 - 140
p-Isopropyltoluene	ND		49.9	47.2		ug/Kg		95	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	107		79 - 123
4-Bromofluorobenzene (Surr)	107		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Lab Sample ID: 440-193786-5 MSD

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: SB6-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.8	60.3		ug/Kg		121	65 - 145	17	20
1,1,1-Trichloroethane	ND	*	49.8	55.9		ug/Kg		112	65 - 145	20	20
1,1,2,2-Tetrachloroethane	ND		49.8	57.5		ug/Kg		115	40 - 160	11	30
1,1,2-Trichloroethane	ND		49.8	61.2		ug/Kg		123	65 - 140	15	30
1,1-Dichloroethane	ND		49.8	54.6		ug/Kg		110	65 - 135	16	25
1,1-Dichloroethene	ND	*	49.8	52.0		ug/Kg		104	65 - 135	11	25
1,1-Dichloropropene	ND	F2	49.8	60.3	F2	ug/Kg		121	65 - 135	22	20
1,2,3-Trichlorobenzene	ND		49.8	59.1		ug/Kg		119	45 - 145	17	30
1,2,3-Trichloropropane	ND		49.8	59.8		ug/Kg		120	50 - 150	16	30
1,2,4-Trichlorobenzene	ND		49.8	58.7		ug/Kg		118	50 - 140	20	30
1,2,4-Trimethylbenzene	ND		49.8	56.5		ug/Kg		113	65 - 140	20	25
1,2-Dibromo-3-Chloropropane	ND		49.8	48.1		ug/Kg		97	40 - 150	15	30
1,2-Dibromoethane (EDB)	ND		49.8	58.2		ug/Kg		117	65 - 140	12	25
1,2-Dichlorobenzene	ND		49.8	55.5		ug/Kg		112	70 - 130	21	25
1,2-Dichloroethane	ND		49.8	57.8		ug/Kg		116	60 - 150	13	25
1,2-Dichloropropane	ND		49.8	58.4		ug/Kg		117	65 - 130	19	20
1,3,5-Trimethylbenzene	ND		49.8	56.9		ug/Kg		114	65 - 135	21	25
1,3-Dichlorobenzene	ND		49.8	54.4		ug/Kg		109	70 - 130	19	25
1,3-Dichloropropane	ND		49.8	59.6		ug/Kg		120	65 - 140	15	25
1,4-Dichlorobenzene	ND		49.8	52.7		ug/Kg		106	70 - 130	20	25
2,2-Dichloropropane	ND	*	49.8	70.1		ug/Kg		141	65 - 150	19	25
2-Chlorotoluene	ND		49.8	60.2		ug/Kg		121	60 - 135	22	25
4-Chlorotoluene	ND		49.8	61.8		ug/Kg		124	65 - 135	20	25
Benzene	ND		49.8	56.0		ug/Kg		112	65 - 130	19	20
Bromobenzene	ND		49.8	59.3		ug/Kg		119	65 - 140	20	25
Bromochloromethane	ND		49.8	58.7		ug/Kg		118	65 - 145	16	25
Bromodichloromethane	ND		49.8	59.1		ug/Kg		119	65 - 145	15	20
Bromoform	ND		49.8	55.6		ug/Kg		112	50 - 145	14	30
Bromomethane	ND		49.8	55.7		ug/Kg		112	60 - 155	15	25
Carbon tetrachloride	ND	*	49.8	58.9		ug/Kg		118	60 - 145	20	25
Chlorobenzene	ND		49.8	54.2		ug/Kg		109	70 - 130	17	25
Chloroethane	ND		49.8	57.6		ug/Kg		116	60 - 150	16	25
Chloroform	ND		49.8	56.1		ug/Kg		113	65 - 135	19	20
Chloromethane	ND		49.8	54.0		ug/Kg		108	40 - 145	13	25
cis-1,2-Dichloroethene	ND		49.8	57.2		ug/Kg		115	65 - 135	19	25
cis-1,3-Dichloropropene	ND		49.8	61.1		ug/Kg		123	70 - 135	17	25
Dibromochloromethane	ND		49.8	60.0		ug/Kg		120	60 - 145	14	25
Dibromomethane	ND		49.8	56.9		ug/Kg		114	65 - 140	12	25
Dichlorodifluoromethane	ND	*	49.8	50.8		ug/Kg		102	30 - 160	11	35
Isopropyl Ether (DIPE)	ND		49.8	60.1		ug/Kg		121	60 - 150	19	25
Ethanol	ND		1990	2430		ug/Kg		122	30 - 165	17	40
Ethyl-t-butyl ether (ETBE)	ND		49.8	56.5		ug/Kg		113	60 - 145	17	30
Ethylbenzene	ND		49.8	60.7		ug/Kg		122	70 - 135	20	25
Hexachlorobutadiene	ND		49.8	48.8		ug/Kg		98	50 - 145	14	35
Isopropylbenzene	ND		49.8	59.6		ug/Kg		120	70 - 145	19	25
m,p-Xylene	ND		49.8	61.3		ug/Kg		123	70 - 130	19	25
Methylene Chloride	ND		49.8	49.9		ug/Kg		100	55 - 145	11	25
Methyl-t-Butyl Ether (MTBE)	ND		49.8	54.7		ug/Kg		110	55 - 155	19	35
Naphthalene	ND		49.8	54.7		ug/Kg		110	40 - 150	17	40
n-Butylbenzene	ND	*	49.8	56.6		ug/Kg		114	55 - 145	19	30

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193786-5 MSD

Matrix: Solid

Analysis Batch: 434964

Client Sample ID: SB6-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene	ND		49.8	57.8		ug/Kg		116	65 - 140	21	25
o-Xylene	ND		49.8	61.0		ug/Kg		122	65 - 130	17	25
sec-Butylbenzene	ND		49.8	53.6		ug/Kg		108	60 - 135	18	25
Styrene	ND		49.8	58.0		ug/Kg		116	70 - 140	20	25
Tert-amyl-methyl ether (TAME)	ND		49.8	51.6		ug/Kg		104	60 - 150	17	25
tert-Butyl alcohol (TBA)	ND		49.8	58.4		ug/Kg		117	65 - 145	19	30
tert-Butylbenzene	ND		49.8	56.0		ug/Kg		112	60 - 140	21	25
Tetrachloroethene	ND		49.8	57.1		ug/Kg		115	65 - 135	21	25
Toluene	ND		49.8	61.5		ug/Kg		123	70 - 130	16	20
trans-1,2-Dichloroethene	ND		49.8	56.1		ug/Kg		113	70 - 135	19	25
trans-1,3-Dichloropropene	ND		49.8	60.7		ug/Kg		122	60 - 145	19	25
Trichloroethene	ND		49.8	57.6		ug/Kg		116	65 - 140	21	25
Trichlorofluoromethane	ND	*	49.8	53.8		ug/Kg		108	55 - 155	13	25
Vinyl chloride	ND		49.8	56.8		ug/Kg		114	55 - 140	15	30
p-Isopropyltoluene	ND		49.8	57.1		ug/Kg		115	60 - 140	19	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	107		79 - 123
4-Bromofluorobenzene (Surr)	110		79 - 120
Dibromofluoromethane (Surr)	101		60 - 120

Lab Sample ID: MB 440-435887/4

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			10/18/17 08:58	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			10/18/17 08:58	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-435887/4

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Benzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Bromobenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Bromoform	ND		5.0	2.0	ug/Kg			10/18/17 08:58	1
Bromomethane	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Chloroethane	ND		5.0	2.0	ug/Kg			10/18/17 08:58	1
Chloroform	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Chloromethane	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Dibromomethane	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			10/18/17 08:58	1
Isopropyl Ether (DIPE)	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Ethanol	ND		300	100	ug/Kg			10/18/17 08:58	1
Ethyl-t-butyl ether (ETBE)	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			10/18/17 08:58	1
Methylene Chloride	ND		20	5.0	ug/Kg			10/18/17 08:58	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Naphthalene	ND		5.0	2.0	ug/Kg			10/18/17 08:58	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
o-Xylene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Styrene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Tert-amyl-methyl ether (TAME)	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
tert-Butyl alcohol (TBA)	ND		100	10	ug/Kg			10/18/17 08:58	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Toluene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Trichloroethene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			10/18/17 08:58	1
Xylenes, Total	ND		4.0	2.0	ug/Kg			10/18/17 08:58	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			10/18/17 08:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		79 - 123		10/18/17 08:58	1
4-Bromofluorobenzene (Surr)	103		79 - 120		10/18/17 08:58	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-435887/4

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		60 - 120		10/18/17 08:58	1

Lab Sample ID: LCS 440-435887/5

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/Kg		103	70 - 130
1,1,1-Trichloroethane	50.0	50.7		ug/Kg		101	65 - 135
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/Kg		95	55 - 140
1,1,2-Trichloroethane	50.0	52.1		ug/Kg		104	65 - 135
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	70 - 130
1,1-Dichloroethene	50.0	50.5		ug/Kg		101	70 - 125
1,1-Dichloropropene	50.0	51.7		ug/Kg		103	70 - 130
1,2,3-Trichlorobenzene	50.0	51.8		ug/Kg		104	60 - 130
1,2,3-Trichloropropane	50.0	55.5		ug/Kg		111	60 - 135
1,2,4-Trichlorobenzene	50.0	48.5		ug/Kg		97	70 - 135
1,2,4-Trimethylbenzene	50.0	50.8		ug/Kg		102	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	50.9		ug/Kg		102	50 - 135
1,2-Dibromoethane (EDB)	50.0	52.3		ug/Kg		105	70 - 130
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	50.1		ug/Kg		100	60 - 140
1,2-Dichloropropane	50.0	49.5		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/Kg		103	70 - 125
1,3-Dichlorobenzene	50.0	49.7		ug/Kg		99	75 - 125
1,3-Dichloropropane	50.0	50.9		ug/Kg		102	70 - 125
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	75 - 120
2,2-Dichloropropane	50.0	54.3		ug/Kg		109	60 - 145
2-Chlorotoluene	50.0	50.1		ug/Kg		100	70 - 125
4-Chlorotoluene	50.0	50.8		ug/Kg		102	75 - 125
Benzene	50.0	51.5		ug/Kg		103	65 - 120
Bromobenzene	50.0	50.8		ug/Kg		102	75 - 120
Bromochloromethane	50.0	52.8		ug/Kg		106	70 - 135
Bromodichloromethane	50.0	50.9		ug/Kg		102	70 - 135
Bromoform	50.0	55.1		ug/Kg		110	55 - 135
Bromomethane	50.0	44.7		ug/Kg		89	60 - 145
Carbon tetrachloride	50.0	50.7		ug/Kg		101	65 - 140
Chlorobenzene	50.0	50.1		ug/Kg		100	75 - 120
Chloroethane	50.0	45.3		ug/Kg		91	60 - 140
Chloroform	50.0	49.2		ug/Kg		98	70 - 130
Chloromethane	50.0	38.7		ug/Kg		77	45 - 145
cis-1,2-Dichloroethene	50.0	51.6		ug/Kg		103	70 - 125
cis-1,3-Dichloropropene	50.0	49.9		ug/Kg		100	75 - 125
Dibromochloromethane	50.0	52.1		ug/Kg		104	65 - 140
Dibromomethane	50.0	51.9		ug/Kg		104	70 - 130
Dichlorodifluoromethane	50.0	40.3		ug/Kg		81	35 - 160
Isopropyl Ether (DIPE)	50.0	52.3		ug/Kg		105	60 - 140
Ethanol	2000	1770		ug/Kg		89	35 - 160

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-435887/5

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethyl-t-butyl ether (ETBE)	50.0	44.4		ug/Kg		89	60 - 140
Ethylbenzene	50.0	49.4		ug/Kg		99	70 - 125
Hexachlorobutadiene	50.0	47.6		ug/Kg		95	60 - 135
Isopropylbenzene	50.0	51.9		ug/Kg		104	75 - 130
m,p-Xylene	50.0	50.6		ug/Kg		101	70 - 125
Methylene Chloride	50.0	51.6		ug/Kg		103	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	53.2		ug/Kg		106	60 - 140
Naphthalene	50.0	46.7		ug/Kg		93	55 - 135
n-Butylbenzene	50.0	39.7		ug/Kg		79	70 - 130
N-Propylbenzene	50.0	49.0		ug/Kg		98	70 - 130
o-Xylene	50.0	52.5		ug/Kg		105	70 - 125
sec-Butylbenzene	50.0	48.6		ug/Kg		97	70 - 125
Styrene	50.0	46.8		ug/Kg		94	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	44.6		ug/Kg		89	60 - 145
tert-Butyl alcohol (TBA)	500	533		ug/Kg		107	70 - 135
tert-Butylbenzene	50.0	49.6		ug/Kg		99	70 - 125
Tetrachloroethene	50.0	50.5		ug/Kg		101	70 - 125
Toluene	50.0	51.8		ug/Kg		104	70 - 125
trans-1,2-Dichloroethene	50.0	51.6		ug/Kg		103	70 - 125
trans-1,3-Dichloropropene	50.0	50.9		ug/Kg		102	70 - 135
Trichloroethene	50.0	52.0		ug/Kg		104	70 - 125
Trichlorofluoromethane	50.0	47.1		ug/Kg		94	60 - 145
Vinyl chloride	50.0	42.6		ug/Kg		85	55 - 135
p-Isopropyltoluene	50.0	47.1		ug/Kg		94	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		79 - 123
4-Bromofluorobenzene (Surr)	99		79 - 120
Dibromofluoromethane (Surr)	105		60 - 120

Lab Sample ID: 440-193786-2 MS

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: SB5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.4	53.2		ug/Kg		108	65 - 145
1,1,1-Trichloroethane	ND		49.4	52.8		ug/Kg		107	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.4	45.0		ug/Kg		91	40 - 160
1,1,2-Trichloroethane	ND		49.4	53.1		ug/Kg		107	65 - 140
1,1-Dichloroethane	ND		49.4	50.4		ug/Kg		102	65 - 135
1,1-Dichloroethene	ND		49.4	51.0		ug/Kg		103	65 - 135
1,1-Dichloropropene	ND		49.4	53.9		ug/Kg		109	65 - 135
1,2,3-Trichlorobenzene	ND		49.4	53.1		ug/Kg		108	45 - 145
1,2,3-Trichloropropane	ND		49.4	53.6		ug/Kg		109	50 - 150
1,2,4-Trichlorobenzene	ND		49.4	50.7		ug/Kg		103	50 - 140
1,2,4-Trimethylbenzene	ND		49.4	53.0		ug/Kg		107	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.4	50.3		ug/Kg		102	40 - 150
1,2-Dibromoethane (EDB)	ND		49.4	53.3		ug/Kg		108	65 - 140

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193786-2 MS

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: SB5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	ND		49.4	52.8		ug/Kg		107	70 - 130
1,2-Dichloroethane	ND		49.4	51.9		ug/Kg		105	60 - 150
1,2-Dichloropropane	ND		49.4	51.6		ug/Kg		104	65 - 130
1,3,5-Trimethylbenzene	ND		49.4	53.7		ug/Kg		109	65 - 135
1,3-Dichlorobenzene	ND		49.4	51.9		ug/Kg		105	70 - 130
1,3-Dichloropropane	ND		49.4	52.3		ug/Kg		106	65 - 140
1,4-Dichlorobenzene	ND		49.4	51.9		ug/Kg		105	70 - 130
2,2-Dichloropropane	ND		49.4	57.7		ug/Kg		117	65 - 150
2-Chlorotoluene	ND		49.4	52.1		ug/Kg		105	60 - 135
4-Chlorotoluene	ND		49.4	53.8		ug/Kg		109	65 - 135
Benzene	ND		49.4	53.4		ug/Kg		108	65 - 130
Bromobenzene	ND		49.4	52.1		ug/Kg		106	65 - 140
Bromochloromethane	ND		49.4	55.4		ug/Kg		112	65 - 145
Bromodichloromethane	ND		49.4	53.8		ug/Kg		109	65 - 145
Bromoform	ND		49.4	55.1		ug/Kg		112	50 - 145
Bromomethane	ND		49.4	43.9		ug/Kg		89	60 - 155
Carbon tetrachloride	ND		49.4	53.0		ug/Kg		107	60 - 145
Chlorobenzene	ND		49.4	51.3		ug/Kg		104	70 - 130
Chloroethane	ND		49.4	43.5		ug/Kg		88	60 - 150
Chloroform	ND		49.4	51.3		ug/Kg		104	65 - 135
Chloromethane	ND		49.4	35.3		ug/Kg		71	40 - 145
cis-1,2-Dichloroethene	ND		49.4	53.6		ug/Kg		108	65 - 135
cis-1,3-Dichloropropene	ND		49.4	52.2		ug/Kg		106	70 - 135
Dibromochloromethane	ND		49.4	53.3		ug/Kg		108	60 - 145
Dibromomethane	ND		49.4	52.8		ug/Kg		107	65 - 140
Dichlorodifluoromethane	ND		49.4	28.9		ug/Kg		59	30 - 160
Isopropyl Ether (DIPE)	ND		49.4	53.3		ug/Kg		108	60 - 150
Ethanol	ND		1980	1840		ug/Kg		93	30 - 165
Ethyl-t-butyl ether (ETBE)	ND		49.4	49.0		ug/Kg		99	60 - 145
Ethylbenzene	ND		49.4	51.2		ug/Kg		104	70 - 135
Hexachlorobutadiene	ND		49.4	48.2		ug/Kg		98	50 - 145
Isopropylbenzene	ND		49.4	53.8		ug/Kg		109	70 - 145
m,p-Xylene	ND		49.4	52.2		ug/Kg		106	70 - 130
Methylene Chloride	ND		49.4	61.3		ug/Kg		124	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.4	57.8		ug/Kg		117	55 - 155
Naphthalene	ND		49.4	47.5		ug/Kg		96	40 - 150
n-Butylbenzene	ND		49.4	42.1		ug/Kg		85	55 - 145
N-Propylbenzene	ND		49.4	51.6		ug/Kg		104	65 - 140
o-Xylene	ND		49.4	53.6		ug/Kg		108	65 - 130
sec-Butylbenzene	ND		49.4	50.9		ug/Kg		103	60 - 135
Styrene	ND		49.4	48.8		ug/Kg		99	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.4	50.4		ug/Kg		102	60 - 150
tert-Butyl alcohol (TBA)	ND		494	555		ug/Kg		112	65 - 145
tert-Butylbenzene	ND		49.4	51.6		ug/Kg		104	60 - 140
Tetrachloroethene	ND		49.4	51.6		ug/Kg		104	65 - 135
Toluene	ND		49.4	52.7		ug/Kg		107	70 - 130
trans-1,2-Dichloroethene	ND		49.4	53.5		ug/Kg		108	70 - 135
trans-1,3-Dichloropropene	ND		49.4	52.5		ug/Kg		106	60 - 145

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193786-2 MS

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: SB5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		49.4	56.5		ug/Kg		114	65 - 140
Trichlorofluoromethane	ND		49.4	46.8		ug/Kg		95	55 - 155
Vinyl chloride	ND		49.4	40.3		ug/Kg		82	55 - 140
p-Isopropyltoluene	ND		49.4	49.8		ug/Kg		101	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	96		79 - 123
4-Bromofluorobenzene (Surr)	98		79 - 120
Dibromofluoromethane (Surr)	102		60 - 120

Lab Sample ID: 440-193786-2 MSD

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: SB5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.4	50.4		ug/Kg		102	65 - 145	5	20
1,1,1-Trichloroethane	ND		49.4	52.3		ug/Kg		106	65 - 145	1	20
1,1,2,2-Tetrachloroethane	ND		49.4	41.4		ug/Kg		84	40 - 160	8	30
1,1,2-Trichloroethane	ND		49.4	49.0		ug/Kg		99	65 - 140	8	30
1,1-Dichloroethane	ND		49.4	49.4		ug/Kg		100	65 - 135	2	25
1,1-Dichloroethene	ND		49.4	51.2		ug/Kg		104	65 - 135	0	25
1,1-Dichloropropene	ND		49.4	53.8		ug/Kg		109	65 - 135	0	20
1,2,3-Trichlorobenzene	ND		49.4	51.2		ug/Kg		104	45 - 145	4	30
1,2,3-Trichloropropane	ND		49.4	49.7		ug/Kg		101	50 - 150	8	30
1,2,4-Trichlorobenzene	ND		49.4	49.3		ug/Kg		100	50 - 140	3	30
1,2,4-Trimethylbenzene	ND		49.4	52.6		ug/Kg		106	65 - 140	1	25
1,2-Dibromo-3-Chloropropane	ND		49.4	45.9		ug/Kg		93	40 - 150	9	30
1,2-Dibromoethane (EDB)	ND		49.4	49.8		ug/Kg		101	65 - 140	7	25
1,2-Dichlorobenzene	ND		49.4	50.7		ug/Kg		103	70 - 130	4	25
1,2-Dichloroethane	ND		49.4	48.2		ug/Kg		97	60 - 150	7	25
1,2-Dichloropropane	ND		49.4	48.9		ug/Kg		99	65 - 130	5	20
1,3,5-Trimethylbenzene	ND		49.4	53.0		ug/Kg		107	65 - 135	1	25
1,3-Dichlorobenzene	ND		49.4	50.1		ug/Kg		101	70 - 130	4	25
1,3-Dichloropropane	ND		49.4	48.3		ug/Kg		98	65 - 140	8	25
1,4-Dichlorobenzene	ND		49.4	49.8		ug/Kg		101	70 - 130	4	25
2,2-Dichloropropane	ND		49.4	56.4		ug/Kg		114	65 - 150	2	25
2-Chlorotoluene	ND		49.4	51.3		ug/Kg		104	60 - 135	1	25
4-Chlorotoluene	ND		49.4	52.7		ug/Kg		107	65 - 135	2	25
Benzene	ND		49.4	52.0		ug/Kg		105	65 - 130	3	20
Bromobenzene	ND		49.4	51.1		ug/Kg		103	65 - 140	2	25
Bromochloromethane	ND		49.4	50.8		ug/Kg		103	65 - 145	9	25
Bromodichloromethane	ND		49.4	49.9		ug/Kg		101	65 - 145	8	20
Bromoform	ND		49.4	50.4		ug/Kg		102	50 - 145	9	30
Bromomethane	ND		49.4	43.5		ug/Kg		88	60 - 155	1	25
Carbon tetrachloride	ND		49.4	52.7		ug/Kg		107	60 - 145	1	25
Chlorobenzene	ND		49.4	49.5		ug/Kg		100	70 - 130	4	25
Chloroethane	ND		49.4	43.9		ug/Kg		89	60 - 150	1	25
Chloroform	ND		49.4	48.9		ug/Kg		99	65 - 135	5	20

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-193786-2 MSD

Matrix: Solid

Analysis Batch: 435887

Client Sample ID: SB5-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	ND		49.4	35.2		ug/Kg		71	40 - 145	0	25
cis-1,2-Dichloroethene	ND		49.4	51.9		ug/Kg		105	65 - 135	3	25
cis-1,3-Dichloropropene	ND		49.4	50.2		ug/Kg		102	70 - 135	4	25
Dibromochloromethane	ND		49.4	49.2		ug/Kg		100	60 - 145	8	25
Dibromomethane	ND		49.4	49.4		ug/Kg		100	65 - 140	7	25
Dichlorodifluoromethane	ND		49.4	30.3		ug/Kg		61	30 - 160	5	35
Isopropyl Ether (DIPE)	ND		49.4	49.8		ug/Kg		101	60 - 150	7	25
Ethanol	ND		1980	1710		ug/Kg		86	30 - 165	7	40
Ethyl-t-butyl ether (ETBE)	ND		49.4	47.1		ug/Kg		95	60 - 145	4	30
Ethylbenzene	ND		49.4	50.6		ug/Kg		102	70 - 135	1	25
Hexachlorobutadiene	ND		49.4	42.2		ug/Kg		85	50 - 145	13	35
Isopropylbenzene	ND		49.4	52.4		ug/Kg		106	70 - 145	3	25
m,p-Xylene	ND		49.4	51.1		ug/Kg		103	70 - 130	2	25
Methylene Chloride	ND		49.4	50.5		ug/Kg		102	55 - 145	19	25
Methyl-t-Butyl Ether (MTBE)	ND		49.4	54.2		ug/Kg		110	55 - 155	6	35
Naphthalene	ND		49.4	46.2		ug/Kg		94	40 - 150	3	40
n-Butylbenzene	ND		49.4	42.2		ug/Kg		85	55 - 145	0	30
N-Propylbenzene	ND		49.4	51.9		ug/Kg		105	65 - 140	1	25
o-Xylene	ND		49.4	51.9		ug/Kg		105	65 - 130	3	25
sec-Butylbenzene	ND		49.4	49.7		ug/Kg		101	60 - 135	2	25
Styrene	ND		49.4	46.6		ug/Kg		94	70 - 140	5	25
Tert-amyl-methyl ether (TAME)	ND		49.4	48.1		ug/Kg		97	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		494	528		ug/Kg		107	65 - 145	5	30
tert-Butylbenzene	ND		49.4	51.3		ug/Kg		104	60 - 140	0	25
Tetrachloroethene	ND		49.4	50.9		ug/Kg		103	65 - 135	1	25
Toluene	ND		49.4	52.0		ug/Kg		105	70 - 130	1	20
trans-1,2-Dichloroethene	ND		49.4	52.9		ug/Kg		107	70 - 135	1	25
trans-1,3-Dichloropropene	ND		49.4	49.7		ug/Kg		101	60 - 145	5	25
Trichloroethene	ND		49.4	55.2		ug/Kg		112	65 - 140	2	25
Trichlorofluoromethane	ND		49.4	46.2		ug/Kg		94	55 - 155	1	25
Vinyl chloride	ND		49.4	39.7		ug/Kg		80	55 - 140	2	30
p-Isopropyltoluene	ND		49.4	48.4		ug/Kg		98	60 - 140	3	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		79 - 123
4-Bromofluorobenzene (Surr)	101		79 - 120
Dibromofluoromethane (Surr)	100		60 - 120

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-434394/6

Matrix: Solid

Analysis Batch: 434394

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			10/11/17 11:48	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 440-434394/6

Matrix: Solid

Analysis Batch: 434394

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		65 - 140		10/11/17 11:48	1

Lab Sample ID: LCS 440-434394/4

Matrix: Solid

Analysis Batch: 434394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1660		ug/Kg		104	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		65 - 140

Lab Sample ID: LCSD 440-434394/5

Matrix: Solid

Analysis Batch: 434394

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1600		ug/Kg		100	70 - 135	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		65 - 140

Lab Sample ID: MB 440-434474/5

Matrix: Solid

Analysis Batch: 434474

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			10/11/17 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		65 - 140		10/11/17 15:28	1

Lab Sample ID: LCS 440-434474/3

Matrix: Solid

Analysis Batch: 434474

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1500		ug/Kg		94	70 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		65 - 140

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-434474/4

Matrix: Solid

Analysis Batch: 434474

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1420		ug/Kg		89	70 - 135	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	84		65 - 140						

Lab Sample ID: MB 440-434562/20

Matrix: Solid

Analysis Batch: 434562

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			10/11/17 19:54	1
Surrogate	%Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		65 - 140						

Lab Sample ID: LCS 440-434562/18

Matrix: Solid

Analysis Batch: 434562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
GRO (C4-C12)			1600	1530		ug/Kg	-	96	70 - 135		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		65 - 140								

Lab Sample ID: LCSD 440-434562/19

Matrix: Solid

Analysis Batch: 434562

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1760		ug/Kg		110	70 - 135	14	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	120		65 - 140						

Lab Sample ID: MB 440-434667/5

Matrix: Solid

Analysis Batch: 434667

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		200	75	ug/Kg			10/12/17 09:18	1
Surrogate	%Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		65 - 140						

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QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 440-434667/3

Matrix: Solid

Analysis Batch: 434667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1580		ug/Kg		99	70 - 135		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		65 - 140								

Lab Sample ID: LCSD 440-434667/4

Matrix: Solid

Analysis Batch: 434667

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)			1600	1430		ug/Kg	-	90	70 - 135	10	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		65 - 140								

Lab Sample ID: MB 440-435357/5

Matrix: Solid

Analysis Batch: 435357

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg	-		10/16/17 08:57	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		65 - 140					10/16/17 08:57	1

Lab Sample ID: LCS 440-435357/3

Matrix: Solid

Analysis Batch: 435357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Analyte			1600	1620		ug/Kg	-	101	70 - 135		
GRO (C4-C12)											
Surrogate			LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)			106		65 - 140						

Lab Sample ID: LCSD 440-435357/4

Matrix: Solid

Analysis Batch: 435357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C4-C12)			1600	1590		ug/Kg	-	99	70 - 135	2	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		65 - 140								

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QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-193526-A-1 MS

Matrix: Solid

Analysis Batch: 435357

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1580	1200		ug/Kg		76	60 - 140
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		65 - 140						

Lab Sample ID: 440-193526-A-1 MSD

Matrix: Solid

Analysis Batch: 435357

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1560	1330		ug/Kg		85	60 - 140	10	30
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		65 - 140								

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-434217/1-A

Matrix: Solid

Analysis Batch: 434433

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 434217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		10/10/17 16:42	10/11/17 16:07	1
C23-C40	ND		5.0	2.5	mg/Kg		10/10/17 16:42	10/11/17 16:07	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	80		40 - 140				10/10/17 16:42	10/11/17 16:07	1

Lab Sample ID: LCS 440-434217/2-A

Matrix: Solid

Analysis Batch: 434433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	66.7	55.7		mg/Kg		84	45 - 115
Surrogate	%Recovery	LCS Qualifier	Limits				
n-Octacosane	81		40 - 140				

Lab Sample ID: 320-31773-C-1-C MS

Matrix: Solid

Analysis Batch: 434433

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 434217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	ND		139	116		mg/Kg		84	40 - 120

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QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 320-31773-C-1-C MS

Matrix: Solid

Analysis Batch: 434433

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 434217

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane	75		40 - 140

Lab Sample ID: 320-31773-C-1-D MSD

Matrix: Solid

Analysis Batch: 434433

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 434217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28	ND		138	91.0		mg/Kg		66	40 - 120	24	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
n-Octacosane	58		40 - 140								

Lab Sample ID: MB 440-434219/1-A

Matrix: Solid

Analysis Batch: 434390

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 434219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		10/10/17 16:47	10/12/17 04:37	1
C23-C40	ND		5.0	2.5	mg/Kg		10/10/17 16:47	10/12/17 04:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
n-Octacosane	91		40 - 140	10/10/17 16:47	10/12/17 04:37	1			

Lab Sample ID: LCS 440-434219/2-A

Matrix: Solid

Analysis Batch: 434390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434219

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28			66.7	45.8		mg/Kg	-	69	45 - 115		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
n-Octacosane	73		40 - 140								

Lab Sample ID: 440-193786-7 MS

Matrix: Solid

Analysis Batch: 434390

Client Sample ID: SB4-5

Prep Type: Total/NA

Prep Batch: 434219

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C28	6.8	J B	139	107		mg/Kg	-	72	40 - 120		
Surrogate	MS %Recovery	MS Qualifier	Limits								
n-Octacosane	78		40 - 140								

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-193786-7 MSD

Matrix: Solid

Analysis Batch: 434390

Client Sample ID: SB4-5

Prep Type: Total/NA

Prep Batch: 434219

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C28	6.8	J B	134	107		mg/Kg		75	40 - 120	1	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
n-Octacosane	87		40 - 140								

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-434076/1-A ^5

Matrix: Solid

Analysis Batch: 434287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 434076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Arsenic	ND		3.0	1.5	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Barium	ND		1.5	0.74	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Beryllium	ND		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Chromium	ND		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Cobalt	ND		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Copper	ND		2.0	1.1	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Lead	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Nickel	ND		2.0	0.99	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Vanadium	ND		0.99	0.50	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Zinc	ND		5.0	2.5	mg/Kg		10/10/17 08:49	10/10/17 20:15	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 08:49	10/10/17 20:15	5

Lab Sample ID: LCS 440-434076/2-A ^5

Matrix: Solid

Analysis Batch: 434287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.3	48.7		mg/Kg		99	80 - 120
Arsenic	49.3	50.5		mg/Kg		103	80 - 120
Barium	49.3	49.6		mg/Kg		101	80 - 120
Beryllium	49.3	49.2		mg/Kg		100	80 - 120
Cadmium	49.3	49.6		mg/Kg		101	80 - 120
Chromium	49.3	50.2		mg/Kg		102	80 - 120
Cobalt	49.3	49.8		mg/Kg		101	80 - 120
Copper	49.3	50.5		mg/Kg		103	80 - 120
Lead	49.3	50.3		mg/Kg		102	80 - 120
Molybdenum	49.3	49.8		mg/Kg		101	80 - 120
Nickel	49.3	50.6		mg/Kg		103	80 - 120
Selenium	49.3	46.3		mg/Kg		94	80 - 120
Thallium	49.3	49.6		mg/Kg		101	80 - 120
Vanadium	49.3	50.0		mg/Kg		101	80 - 120

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 440-434076/2-A ^5

Matrix: Solid

Analysis Batch: 434287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	49.3	48.9		mg/Kg		99	80 - 120
Silver	24.6	25.1		mg/Kg		102	80 - 120

Lab Sample ID: 440-193419-H-4-C MS ^5

Matrix: Solid

Analysis Batch: 434435

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 434076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.5	26.3	F1	mg/Kg		53	75 - 125
Arsenic	3.0		49.5	51.1		mg/Kg		97	75 - 125
Barium	100	F1	49.5	144		mg/Kg		82	75 - 125
Beryllium	0.53		49.5	49.2		mg/Kg		98	75 - 125
Cadmium	ND		49.5	47.4		mg/Kg		96	75 - 125
Chromium	11		49.5	62.8		mg/Kg		104	75 - 125
Cobalt	6.5		49.5	53.6		mg/Kg		95	75 - 125
Copper	10		49.5	61.8		mg/Kg		105	75 - 125
Lead	9.8		49.5	58.5		mg/Kg		98	75 - 125
Molybdenum	ND		49.5	48.0		mg/Kg		97	75 - 125
Nickel	8.9		49.5	56.7		mg/Kg		97	75 - 125
Selenium	ND		49.5	45.8		mg/Kg		92	75 - 125
Thallium	ND		49.5	48.0		mg/Kg		97	75 - 125
Vanadium	24		49.5	82.1		mg/Kg		117	75 - 125
Zinc	33		49.5	78.2		mg/Kg		92	75 - 125
Silver	ND		24.8	24.8		mg/Kg		100	75 - 125

Lab Sample ID: 440-193419-H-4-D MSD ^5

Matrix: Solid

Analysis Batch: 434435

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 434076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	ND	F1	49.8	23.5	F1	mg/Kg		47	75 - 125	11	20
Arsenic	3.0		49.8	45.6		mg/Kg		86	75 - 125	11	20
Barium	100	F1	49.8	130	F1	mg/Kg		55	75 - 125	10	20
Beryllium	0.53		49.8	44.3		mg/Kg		88	75 - 125	11	20
Cadmium	ND		49.8	42.4		mg/Kg		85	75 - 125	11	20
Chromium	11		49.8	57.1		mg/Kg		92	75 - 125	9	20
Cobalt	6.5		49.8	48.5		mg/Kg		85	75 - 125	10	20
Copper	10		49.8	56.2		mg/Kg		93	75 - 125	10	20
Lead	9.8		49.8	52.2		mg/Kg		85	75 - 125	11	20
Molybdenum	ND		49.8	42.7		mg/Kg		86	75 - 125	12	20
Nickel	8.9		49.8	51.6		mg/Kg		86	75 - 125	9	20
Selenium	ND		49.8	41.3		mg/Kg		83	75 - 125	10	20
Thallium	ND		49.8	42.9		mg/Kg		86	75 - 125	11	20
Vanadium	24		49.8	75.7		mg/Kg		104	75 - 125	8	20
Zinc	33		49.8	72.8		mg/Kg		80	75 - 125	7	20
Silver	ND		24.9	22.1		mg/Kg		89	75 - 125	12	20

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-434120/1-A ^5

Matrix: Solid

Analysis Batch: 434339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 434120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Arsenic	ND		3.0	1.5	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Barium	ND		1.5	0.74	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Beryllium	ND		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Cadmium	ND		0.50	0.25	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Chromium	ND		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Cobalt	ND		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Copper	ND		2.0	1.1	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Lead	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Molybdenum	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Nickel	ND		2.0	0.99	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Selenium	ND		3.0	1.7	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Thallium	ND		9.9	5.0	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Vanadium	ND		0.99	0.50	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Zinc	ND		5.0	2.5	mg/Kg		10/10/17 11:01	10/10/17 21:24	5
Silver	ND		1.5	0.88	mg/Kg		10/10/17 11:01	10/10/17 21:24	5

Lab Sample ID: LCS 440-434120/2-A ^5

Matrix: Solid

Analysis Batch: 434339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	47.5		mg/Kg		95	80 - 120
Arsenic	49.8	48.3		mg/Kg		97	80 - 120
Barium	49.8	47.2		mg/Kg		95	80 - 120
Beryllium	49.8	47.8		mg/Kg		96	80 - 120
Cadmium	49.8	47.8		mg/Kg		96	80 - 120
Chromium	49.8	48.9		mg/Kg		98	80 - 120
Cobalt	49.8	48.5		mg/Kg		97	80 - 120
Copper	49.8	49.1		mg/Kg		99	80 - 120
Lead	49.8	48.9		mg/Kg		98	80 - 120
Molybdenum	49.8	48.3		mg/Kg		97	80 - 120
Nickel	49.8	49.1		mg/Kg		99	80 - 120
Selenium	49.8	45.7		mg/Kg		92	80 - 120
Thallium	49.8	48.1		mg/Kg		97	80 - 120
Vanadium	49.8	48.4		mg/Kg		97	80 - 120
Zinc	49.8	48.7		mg/Kg		98	80 - 120
Silver	24.9	24.2		mg/Kg		97	80 - 120

Lab Sample ID: 440-193786-24 MS

Matrix: Solid

Analysis Batch: 434339

Client Sample ID: SB7-5

Prep Type: Total/NA

Prep Batch: 434120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.5	30.2	F1	mg/Kg		61	75 - 125
Arsenic	3.5		49.5	51.3		mg/Kg		96	75 - 125
Barium	120	F1 F2	49.5	160		mg/Kg		81	75 - 125
Beryllium	0.75		49.5	49.3		mg/Kg		98	75 - 125

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-193786-24 MS

Matrix: Solid

Analysis Batch: 434339

Client Sample ID: SB7-5

Prep Type: Total/NA

Prep Batch: 434120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		49.5	46.3		mg/Kg		94	75 - 125
Chromium	22		49.5	74.4		mg/Kg		105	75 - 125
Cobalt	18		49.5	62.9		mg/Kg		90	75 - 125
Copper	13		49.5	64.8		mg/Kg		104	75 - 125
Lead	4.5		49.5	51.1		mg/Kg		94	75 - 125
Molybdenum	ND		49.5	46.4		mg/Kg		94	75 - 125
Nickel	18		49.5	65.1		mg/Kg		95	75 - 125
Selenium	ND		49.5	44.8		mg/Kg		90	75 - 125
Thallium	ND		49.5	45.1		mg/Kg		91	75 - 125
Vanadium	34		49.5	89.8		mg/Kg		112	75 - 125
Zinc	39		49.5	88.7		mg/Kg		100	75 - 125
Silver	ND		24.8	24.2		mg/Kg		98	75 - 125

Lab Sample ID: 440-193786-24 MSD

Matrix: Solid

Analysis Batch: 434339

Client Sample ID: SB7-5

Prep Type: Total/NA

Prep Batch: 434120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.8	29.0	F1	mg/Kg		58	75 - 125	4	20
Arsenic	3.5		49.8	50.2		mg/Kg		94	75 - 125	2	20
Barium	120	F1 F2	49.8	200	F1 F2	mg/Kg		162	75 - 125	23	20
Beryllium	0.75		49.8	47.9		mg/Kg		95	75 - 125	3	20
Cadmium	ND		49.8	45.2		mg/Kg		91	75 - 125	2	20
Chromium	22		49.8	72.3		mg/Kg		100	75 - 125	3	20
Cobalt	18		49.8	67.1		mg/Kg		98	75 - 125	6	20
Copper	13		49.8	63.2		mg/Kg		100	75 - 125	2	20
Lead	4.5		49.8	50.0		mg/Kg		91	75 - 125	2	20
Molybdenum	ND		49.8	45.3		mg/Kg		91	75 - 125	2	20
Nickel	18		49.8	65.1		mg/Kg		95	75 - 125	0	20
Selenium	ND		49.8	43.3		mg/Kg		87	75 - 125	3	20
Thallium	ND		49.8	43.6		mg/Kg		88	75 - 125	3	20
Vanadium	34		49.8	87.7		mg/Kg		108	75 - 125	2	20
Zinc	39		49.8	87.4		mg/Kg		97	75 - 125	1	20
Silver	ND		24.9	23.5		mg/Kg		95	75 - 125	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-435144/1-A

Matrix: Solid

Analysis Batch: 435568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 435144

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		10/13/17 19:46	10/16/17 22:47	1

TestAmerica Irvine

QC Sample Results

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 440-435144/2-A
Matrix: Solid
Analysis Batch: 435568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.800	0.827		mg/Kg		103	80 - 120

Lab Sample ID: 440-193786-4 MS
Matrix: Solid
Analysis Batch: 435568

Client Sample ID: SB6-5
Prep Type: Total/NA
Prep Batch: 435144

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.058		0.816	0.822		mg/Kg		94	70 - 130

Lab Sample ID: 440-193786-4 MSD
Matrix: Solid
Analysis Batch: 435568

Client Sample ID: SB6-5
Prep Type: Total/NA
Prep Batch: 435144

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.058		0.816	0.821		mg/Kg		93	70 - 130	0	20

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC/MS VOA

Analysis Batch: 434324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-13	SB3-2	Total/NA	Solid	8260B	434393
440-193786-15	SB2-1	Total/NA	Solid	8260B	434393
440-193786-16	SB2-5	Total/NA	Solid	8260B	434393
440-193786-27	SB8-1	Total/NA	Solid	8260B	434393
440-193786-28	SB8-5	Total/NA	Solid	8260B	434393
440-193786-29	SB8-10	Total/NA	Solid	8260B	434393
440-193786-31	SB5-1	Total/NA	Solid	8260B	434393
440-193786-32	SB6-1	Total/NA	Solid	8260B	434393
MB 440-434324/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-434324/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-434324/7	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 434330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-7	SB4-5	Total/NA	Solid	8260B	434393
440-193786-8	SB4-10	Total/NA	Solid	8260B	434393
440-193786-10	SB3-5	Total/NA	Solid	8260B	434393
440-193786-11	SB3-10	Total/NA	Solid	8260B	434393
440-193786-19	SB1-1	Total/NA	Solid	8260B	434393
440-193786-20	SB1-5	Total/NA	Solid	8260B	434393
440-193786-21	SB1-10	Total/NA	Solid	8260B	434393
MB 440-434330/6	Method Blank	Total/NA	Solid	8260B	
LCS 440-434330/8	Lab Control Sample	Total/NA	Solid	8260B	
720-82412-D-6 MS	Matrix Spike	Total/NA	Solid	8260B	
720-82412-D-6 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	

Prep Batch: 434393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-7	SB4-5	Total/NA	Solid	5035	
440-193786-8	SB4-10	Total/NA	Solid	5035	
440-193786-10	SB3-5	Total/NA	Solid	5035	
440-193786-11	SB3-10	Total/NA	Solid	5035	
440-193786-13	SB3-2	Total/NA	Solid	5035	
440-193786-15	SB2-1	Total/NA	Solid	5035	
440-193786-16	SB2-5	Total/NA	Solid	5035	
440-193786-17	SB2-10	Total/NA	Solid	5035	
440-193786-19	SB1-1	Total/NA	Solid	5035	
440-193786-20	SB1-5	Total/NA	Solid	5035	
440-193786-21	SB1-10	Total/NA	Solid	5035	
440-193786-25	SB7-10	Total/NA	Solid	5035	
440-193786-27	SB8-1	Total/NA	Solid	5035	
440-193786-28	SB8-5	Total/NA	Solid	5035	
440-193786-29	SB8-10	Total/NA	Solid	5035	
440-193786-31	SB5-1	Total/NA	Solid	5035	
440-193786-32	SB6-1	Total/NA	Solid	5035	

Analysis Batch: 434559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-17	SB2-10	Total/NA	Solid	8260B	434393
MB 440-434559/3	Method Blank	Total/NA	Solid	8260B	
LCS 440-434559/4	Lab Control Sample	Total/NA	Solid	8260B	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC/MS VOA (Continued)

Analysis Batch: 434559 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193733-A-41 MS	Matrix Spike	Total/NA	Solid	8260B	
440-193733-A-41 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	

Analysis Batch: 434635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	8260B	434691
440-193786-4	SB6-5	Total/NA	Solid	8260B	434691
440-193786-14	SB4-2	Total/NA	Solid	8260B	434691
440-193786-25	SB7-10	Total/NA	Solid	8260B	434393
MB 440-434635/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-434635/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-434635/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 434691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	5035	
440-193786-4	SB6-5	Total/NA	Solid	5035	
440-193786-14	SB4-2	Total/NA	Solid	5035	

Analysis Batch: 434789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-23	SB7-1	Total/NA	Solid	8260B	434900
440-193786-24	SB7-5	Total/NA	Solid	8260B	434900
MB 440-434789/3	Method Blank	Total/NA	Solid	8260B	
LCS 440-434789/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-434789/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 434900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-23	SB7-1	Total/NA	Solid	5035	
440-193786-24	SB7-5	Total/NA	Solid	5035	

Analysis Batch: 434964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-5	SB6-10	Total/NA	Solid	8260B	
MB 440-434964/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-434964/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-434964/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
440-193786-5 MS	SB6-10	Total/NA	Solid	8260B	
440-193786-5 MSD	SB6-10	Total/NA	Solid	8260B	

Analysis Batch: 435887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-2	SB5-10	Total/NA	Solid	8260B	
MB 440-435887/4	Method Blank	Total/NA	Solid	8260B	
LCS 440-435887/5	Lab Control Sample	Total/NA	Solid	8260B	
440-193786-2 MS	SB5-10	Total/NA	Solid	8260B	
440-193786-2 MSD	SB5-10	Total/NA	Solid	8260B	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC VOA

Analysis Batch: 434394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	8015B	434457
440-193786-4	SB6-5	Total/NA	Solid	8015B	434457
440-193786-7	SB4-5	Total/NA	Solid	8015B	434457
MB 440-434394/6	Method Blank	Total/NA	Solid	8015B	
LCS 440-434394/4	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-434394/5	Lab Control Sample Dup	Total/NA	Solid	8015B	

Prep Batch: 434457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	5035	
440-193786-4	SB6-5	Total/NA	Solid	5035	
440-193786-7	SB4-5	Total/NA	Solid	5035	
440-193786-8	SB4-10	Total/NA	Solid	5035	
440-193786-10	SB3-5	Total/NA	Solid	5035	
440-193786-11	SB3-10	Total/NA	Solid	5035	
440-193786-13	SB3-2	Total/NA	Solid	5035	
440-193786-14	SB4-2	Total/NA	Solid	5035	
440-193786-16	SB2-5	Total/NA	Solid	5035	
440-193786-17	SB2-10	Total/NA	Solid	5035	
440-193786-19	SB1-1	Total/NA	Solid	5035	
440-193786-20	SB1-5	Total/NA	Solid	5035	
440-193786-21	SB1-10	Total/NA	Solid	5035	
440-193786-24	SB7-5	Total/NA	Solid	5035	

Analysis Batch: 434474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-8	SB4-10	Total/NA	Solid	8015B	434457
440-193786-10	SB3-5	Total/NA	Solid	8015B	434457
440-193786-11	SB3-10	Total/NA	Solid	8015B	434457
440-193786-13	SB3-2	Total/NA	Solid	8015B	434457
440-193786-14	SB4-2	Total/NA	Solid	8015B	434457
440-193786-16	SB2-5	Total/NA	Solid	8015B	434457
440-193786-17	SB2-10	Total/NA	Solid	8015B	434457
440-193786-19	SB1-1	Total/NA	Solid	8015B	434457
440-193786-20	SB1-5	Total/NA	Solid	8015B	434457
440-193786-21	SB1-10	Total/NA	Solid	8015B	434457
440-193786-24	SB7-5	Total/NA	Solid	8015B	434457
MB 440-434474/5	Method Blank	Total/NA	Solid	8015B	
LCS 440-434474/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-434474/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Analysis Batch: 434562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-25	SB7-10	Total/NA	Solid	8015B	434573
440-193786-27	SB8-1	Total/NA	Solid	8015B	434573
440-193786-28	SB8-5	Total/NA	Solid	8015B	434573
440-193786-29	SB8-10	Total/NA	Solid	8015B	434573
MB 440-434562/20	Method Blank	Total/NA	Solid	8015B	
LCS 440-434562/18	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-434562/19	Lab Control Sample Dup	Total/NA	Solid	8015B	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC VOA (Continued)

Prep Batch: 434573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-25	SB7-10	Total/NA	Solid	5035	
440-193786-27	SB8-1	Total/NA	Solid	5035	
440-193786-28	SB8-5	Total/NA	Solid	5035	
440-193786-29	SB8-10	Total/NA	Solid	5035	

Analysis Batch: 434667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-15	SB2-1	Total/NA	Solid	8015B	434685
440-193786-23	SB7-1	Total/NA	Solid	8015B	434685
440-193786-31	SB5-1	Total/NA	Solid	8015B	434685
440-193786-32	SB6-1	Total/NA	Solid	8015B	434685
MB 440-434667/5	Method Blank	Total/NA	Solid	8015B	
LCS 440-434667/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-434667/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Prep Batch: 434685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-15	SB2-1	Total/NA	Solid	5035	
440-193786-23	SB7-1	Total/NA	Solid	5035	
440-193786-31	SB5-1	Total/NA	Solid	5035	
440-193786-32	SB6-1	Total/NA	Solid	5035	

Analysis Batch: 435357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-2	SB5-10	Total/NA	Solid	8015B	
440-193786-5	SB6-10	Total/NA	Solid	8015B	
MB 440-435357/5	Method Blank	Total/NA	Solid	8015B	
LCS 440-435357/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-435357/4	Lab Control Sample Dup	Total/NA	Solid	8015B	
440-193526-A-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-193526-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 434217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	3546	
440-193786-2	SB5-10	Total/NA	Solid	3546	
440-193786-4	SB6-5	Total/NA	Solid	3546	
440-193786-5	SB6-10	Total/NA	Solid	3546	
MB 440-434217/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-434217/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-31773-C-1-C MS	Matrix Spike	Total/NA	Solid	3546	
320-31773-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 434219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-7	SB4-5	Total/NA	Solid	3546	
440-193786-8	SB4-10	Total/NA	Solid	3546	
440-193786-10	SB3-5	Total/NA	Solid	3546	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC Semi VOA (Continued)

Prep Batch: 434219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-11	SB3-10	Total/NA	Solid	3546	
440-193786-13	SB3-2	Total/NA	Solid	3546	
440-193786-14	SB4-2	Total/NA	Solid	3546	
440-193786-15	SB2-1	Total/NA	Solid	3546	
440-193786-16	SB2-5	Total/NA	Solid	3546	
440-193786-17	SB2-10	Total/NA	Solid	3546	
440-193786-19	SB1-1	Total/NA	Solid	3546	
440-193786-20	SB1-5	Total/NA	Solid	3546	
440-193786-21	SB1-10	Total/NA	Solid	3546	
440-193786-23	SB7-1	Total/NA	Solid	3546	
440-193786-24	SB7-5	Total/NA	Solid	3546	
440-193786-25	SB7-10	Total/NA	Solid	3546	
440-193786-27	SB8-1	Total/NA	Solid	3546	
440-193786-28	SB8-5	Total/NA	Solid	3546	
440-193786-29	SB8-10	Total/NA	Solid	3546	
440-193786-31	SB5-1	Total/NA	Solid	3546	
440-193786-32	SB6-1	Total/NA	Solid	3546	
MB 440-434219/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-434219/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-193786-7 MS	SB4-5	Total/NA	Solid	3546	
440-193786-7 MSD	SB4-5	Total/NA	Solid	3546	

Analysis Batch: 434390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-7	SB4-5	Total/NA	Solid	8015B	434219
440-193786-8	SB4-10	Total/NA	Solid	8015B	434219
440-193786-11	SB3-10	Total/NA	Solid	8015B	434219
440-193786-16	SB2-5	Total/NA	Solid	8015B	434219
440-193786-17	SB2-10	Total/NA	Solid	8015B	434219
440-193786-19	SB1-1	Total/NA	Solid	8015B	434219
440-193786-24	SB7-5	Total/NA	Solid	8015B	434219
440-193786-25	SB7-10	Total/NA	Solid	8015B	434219
440-193786-27	SB8-1	Total/NA	Solid	8015B	434219
440-193786-28	SB8-5	Total/NA	Solid	8015B	434219
440-193786-29	SB8-10	Total/NA	Solid	8015B	434219
MB 440-434219/1-A	Method Blank	Total/NA	Solid	8015B	434219
LCS 440-434219/2-A	Lab Control Sample	Total/NA	Solid	8015B	434219
440-193786-7 MS	SB4-5	Total/NA	Solid	8015B	434219
440-193786-7 MSD	SB4-5	Total/NA	Solid	8015B	434219

Analysis Batch: 434430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-4	SB6-5	Total/NA	Solid	8015B	434217
440-193786-15	SB2-1	Total/NA	Solid	8015B	434219
440-193786-20	SB1-5	Total/NA	Solid	8015B	434219
440-193786-21	SB1-10	Total/NA	Solid	8015B	434219
440-193786-23	SB7-1	Total/NA	Solid	8015B	434219

Analysis Batch: 434433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	8015B	434217

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

GC Semi VOA (Continued)

Analysis Batch: 434433 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-2	SB5-10	Total/NA	Solid	8015B	434217
440-193786-5	SB6-10	Total/NA	Solid	8015B	434217
MB 440-434217/1-A	Method Blank	Total/NA	Solid	8015B	434217
LCS 440-434217/2-A	Lab Control Sample	Total/NA	Solid	8015B	434217
320-31773-C-1-C MS	Matrix Spike	Total/NA	Solid	8015B	434217
320-31773-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	434217

Analysis Batch: 434976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-13	SB3-2	Total/NA	Solid	8015B	434219
440-193786-31	SB5-1	Total/NA	Solid	8015B	434219

Analysis Batch: 435365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-10	SB3-5	Total/NA	Solid	8015B	434219

Analysis Batch: 435367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-14	SB4-2	Total/NA	Solid	8015B	434219
440-193786-32	SB6-1	Total/NA	Solid	8015B	434219

Metals

Prep Batch: 434076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	3050B	
440-193786-4	SB6-5	Total/NA	Solid	3050B	
440-193786-7	SB4-5	Total/NA	Solid	3050B	
440-193786-10	SB3-5	Total/NA	Solid	3050B	
440-193786-13	SB3-2	Total/NA	Solid	3050B	
440-193786-14	SB4-2	Total/NA	Solid	3050B	
440-193786-15	SB2-1	Total/NA	Solid	3050B	
440-193786-16	SB2-5	Total/NA	Solid	3050B	
440-193786-19	SB1-1	Total/NA	Solid	3050B	
440-193786-20	SB1-5	Total/NA	Solid	3050B	
440-193786-23	SB7-1	Total/NA	Solid	3050B	
MB 440-434076/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-434076/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-193419-H-4-C MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-193419-H-4-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 434120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-24	SB7-5	Total/NA	Solid	3050B	
440-193786-27	SB8-1	Total/NA	Solid	3050B	
440-193786-28	SB8-5	Total/NA	Solid	3050B	
440-193786-31	SB5-1	Total/NA	Solid	3050B	
440-193786-32	SB6-1	Total/NA	Solid	3050B	
MB 440-434120/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-434120/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Metals (Continued)

Prep Batch: 434120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-24 MS	SB7-5	Total/NA	Solid	3050B	
440-193786-24 MSD	SB7-5	Total/NA	Solid	3050B	

Analysis Batch: 434287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	6010B	434076
440-193786-4	SB6-5	Total/NA	Solid	6010B	434076
440-193786-7	SB4-5	Total/NA	Solid	6010B	434076
440-193786-10	SB3-5	Total/NA	Solid	6010B	434076
440-193786-13	SB3-2	Total/NA	Solid	6010B	434076
440-193786-14	SB4-2	Total/NA	Solid	6010B	434076
440-193786-15	SB2-1	Total/NA	Solid	6010B	434076
440-193786-16	SB2-5	Total/NA	Solid	6010B	434076
440-193786-19	SB1-1	Total/NA	Solid	6010B	434076
440-193786-20	SB1-5	Total/NA	Solid	6010B	434076
440-193786-23	SB7-1	Total/NA	Solid	6010B	434076
MB 440-434076/1-A ^5	Method Blank	Total/NA	Solid	6010B	434076
LCS 440-434076/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	434076

Analysis Batch: 434339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-24	SB7-5	Total/NA	Solid	6010B	434120
440-193786-27	SB8-1	Total/NA	Solid	6010B	434120
440-193786-28	SB8-5	Total/NA	Solid	6010B	434120
440-193786-31	SB5-1	Total/NA	Solid	6010B	434120
440-193786-32	SB6-1	Total/NA	Solid	6010B	434120
MB 440-434120/1-A ^5	Method Blank	Total/NA	Solid	6010B	434120
LCS 440-434120/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	434120
440-193786-24 MS	SB7-5	Total/NA	Solid	6010B	434120
440-193786-24 MSD	SB7-5	Total/NA	Solid	6010B	434120

Analysis Batch: 434435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193419-H-4-C MS ^5	Matrix Spike	Total/NA	Solid	6010B	434076
440-193419-H-4-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	434076

Prep Batch: 435144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	7471A	
440-193786-4	SB6-5	Total/NA	Solid	7471A	
440-193786-7	SB4-5	Total/NA	Solid	7471A	
440-193786-10	SB3-5	Total/NA	Solid	7471A	
440-193786-13	SB3-2	Total/NA	Solid	7471A	
440-193786-14	SB4-2	Total/NA	Solid	7471A	
440-193786-15	SB2-1	Total/NA	Solid	7471A	
440-193786-16	SB2-5	Total/NA	Solid	7471A	
440-193786-19	SB1-1	Total/NA	Solid	7471A	
440-193786-20	SB1-5	Total/NA	Solid	7471A	
440-193786-23	SB7-1	Total/NA	Solid	7471A	
440-193786-24	SB7-5	Total/NA	Solid	7471A	
440-193786-27	SB8-1	Total/NA	Solid	7471A	

TestAmerica Irvine

QC Association Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Metals (Continued)

Prep Batch: 435144 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-28	SB8-5	Total/NA	Solid	7471A	
440-193786-31	SB5-1	Total/NA	Solid	7471A	
440-193786-32	SB6-1	Total/NA	Solid	7471A	
MB 440-435144/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-435144/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-193786-4 MS	SB6-5	Total/NA	Solid	7471A	
440-193786-4 MSD	SB6-5	Total/NA	Solid	7471A	

Analysis Batch: 435568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-193786-1	SB5-5	Total/NA	Solid	7471A	435144
440-193786-4	SB6-5	Total/NA	Solid	7471A	435144
440-193786-7	SB4-5	Total/NA	Solid	7471A	435144
440-193786-10	SB3-5	Total/NA	Solid	7471A	435144
440-193786-13	SB3-2	Total/NA	Solid	7471A	435144
440-193786-14	SB4-2	Total/NA	Solid	7471A	435144
440-193786-15	SB2-1	Total/NA	Solid	7471A	435144
440-193786-16	SB2-5	Total/NA	Solid	7471A	435144
440-193786-19	SB1-1	Total/NA	Solid	7471A	435144
440-193786-20	SB1-5	Total/NA	Solid	7471A	435144
440-193786-23	SB7-1	Total/NA	Solid	7471A	435144
440-193786-24	SB7-5	Total/NA	Solid	7471A	435144
440-193786-27	SB8-1	Total/NA	Solid	7471A	435144
440-193786-28	SB8-5	Total/NA	Solid	7471A	435144
440-193786-31	SB5-1	Total/NA	Solid	7471A	435144
440-193786-32	SB6-1	Total/NA	Solid	7471A	435144
MB 440-435144/1-A	Method Blank	Total/NA	Solid	7471A	435144
LCS 440-435144/2-A	Lab Control Sample	Total/NA	Solid	7471A	435144
440-193786-4 MS	SB6-5	Total/NA	Solid	7471A	435144
440-193786-4 MSD	SB6-5	Total/NA	Solid	7471A	435144

Definitions/Glossary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
*	RPD of the LCS and LCSD exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

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.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: 9217033.03 T2

TestAmerica Job ID: 440-193786-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-18
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-18
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Irvine

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Cotton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 6000 S. Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address:		Project/PO Number:		Analysis Required		Special Instructions
SCS Engineers 3900 Kiliway Airport Way Suite 100 Long Beach, CA 90806 Project Manager: A. Hutchens Sampler: CPK		09217033.03 T2 Phone Number: (562) 476-9544 Fax Number:				
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives
SB5-5	Soil			10/5/17	10:21	
SB5-10					10:30	
SB5-15					10:32	
SB6-5					11:05	
SB6-10					11:13	
SB6-15					11:17	
SB4-5					12:49	
SB4-10					12:52	
SB4-15					12:55	
SB3A-5					1:312	
SB3-10					1:317	
SB3-15					1:321	
SB3-12					1:310	
SB4-2					14:30	

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[Signature]	10/5/17 14:02	[Signature]	10/5/17 10:17	same day
[Signature]	10/5/17 10:17	[Signature]	10/6/17 10:17	24 hours
[Signature]	10/6/17 18:35	[Signature]	10/6/17 17:18:35	48 hours

Relinquished By:	Date/Time:	Sample Integrity: (Check)
[Signature]	10/6/17 18:35	Intact

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

IRSC6 0.3/0.1 3.1/2.9

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 281-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
4825 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
6000 S. Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name / Address:		Project/PO Number:		Analysis Required			
SCS Engineers 2700 Kiersey Airport Way Ste 100 Long Beach, CA		01217033.03 TZ					
Project Manager: A. Hutchens		Phone Number:					
Sampler: Cpak		Fax Number:					
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	
SB2-1	Soil			10/5/17	1412		
SB2-5					1352		
SB2-10					1356		
SB2-15					1406		
SB2-20					1411		
SB1-1 (CP)					1501		
SB1-5					1518		
SB1-10					1524/19 (CP)		
SB1-15					1520		
SB7-1					1541		
SB7-5					1548		
SB7-10 (CP)					1553		
SB7-15					1557		
Relinquished By:		Date/Time:		Received By:		Date/Time:	
		10/5/17 1702				10/5/17 10:18	
Relinquished By:		Date/Time:		Received By:		Date/Time:	
		10/6/17 10:18				10/6/17 10:18	
Relinquished By:		Date/Time:		Received in Lab By:		Date/Time:	
		10/6/17 18:35				10/6/17 18:37	
						on ice	

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

ays.	IRS6	0.3/0.1	3.1/2.9
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	0.00	0.00	0.00
7	0.00	0.00	0.00
8	0.00	0.00	0.00
9	0.00	0.00	0.00
10	0.00	0.00	0.00
11	0.00	0.00	0.00
12	0.00	0.00	0.00
13	0.00	0.00	0.00
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	0.00	0.00	0.00
27	0.00	0.00	0.00
28	0.00	0.00	0.00
29	0.00	0.00	0.00
30	0.00	0.00	0.00
31	0.00	0.00	0.00
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0.00	0.00	0.00
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	0.00	0.00	0.00
39	0.00	0.00	0.00
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	0.00	0.00	0.00
43	0.00	0.00	0.00
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.00	0.00	0.00
49	0.00	0.00	0.00
50	0.00	0.00	0.00
51	0.00	0.00	0.00
52	0.00	0.00	0.00
53	0.00	0.00	0.00
54	0.00	0.00	0.00
55	0.00	0.00	0.00
56	0.00	0.00	0.00
57	0.00	0.00	0.00
58	0.00	0.00	0.00
59	0.00	0.00	0.00
60	0.00	0.00	0.00
61	0.00	0.00	0.00
62	0.00	0.00	0.00
63	0.00	0.00	0.00
64	0.00	0.00	0.00
65	0.00	0.00	0.00
66	0.00	0.00	0.00
67	0.00	0.00	0.00
68	0.00	0.00	0.00
69	0.00	0.00	0.00
70	0.00	0.00	0.00
71	0.00	0.00	0.00
72	0.00	0.00	0.00
73	0.00	0.00	0.00
74	0.00	0.00	0.00
75	0.00	0.00	0.00
76	0.00	0.00	0.00
77	0.00	0.00	0.00
78	0.00	0.00	0.00
79	0.00	0.00	0.00
80	0.00	0.00	0.00
81	0.00	0.00	0.00
82	0.00	0.00	0.00
83	0.00	0.00	0.00
84	0.00	0.00	0.00
85	0.00	0.00	0.00
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	0.00	0.00	0.00
89	0.00	0.00	0.00
90	0.00	0.00	0.0

- 1
- 2
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[illegible]

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

IRSC6 0.710.1 3.1/2.9

- 1
- 2
- 3
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- 6
- 7
- 8
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- 10
- 11
- 12
- 13

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 440-193786-1

Login Number: 193786

List Source: TestAmerica Irvine

List Number: 1

Creator: Garcia, Veronica G

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C
H&P LABORATORY REPORT

11 October 2017

Ms. Ashley Hutchens
SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

H&P Project: SCS100517-L3
Client Project: 01217033.03 Task 2 / E 35th St

Dear Ms. Ashley Hutchens:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 05-Oct-17 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.



SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV3-5	E710019-01	Vapor	05-Oct-17	05-Oct-17
SV2-5	E710019-02	Vapor	05-Oct-17	05-Oct-17
SV1-5	E710019-03	Vapor	05-Oct-17	05-Oct-17
SV4-5	E710019-04	Vapor	05-Oct-17	05-Oct-17
SV5-5	E710019-05	Vapor	05-Oct-17	05-Oct-17
SV5-5 Rep	E710019-06	Vapor	05-Oct-17	05-Oct-17
SV6-4	E710019-07	Vapor	05-Oct-17	05-Oct-17

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

DETECTIONS SUMMARY

Sample ID: **SV3-5**

Laboratory ID: **E710019-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV2-5**

Laboratory ID: **E710019-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV1-5**

Laboratory ID: **E710019-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV4-5**

Laboratory ID: **E710019-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	3.2	0.80	ug/l	H&P 8260SV	

Sample ID: **SV5-5**

Laboratory ID: **E710019-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV5-5 Rep**

Laboratory ID: **E710019-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV6-4**

Laboratory ID: **E710019-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	0.38	0.20	ug/l	H&P 8260SV	
m,p-Xylene	3.1	1.0	ug/l	H&P 8260SV	
Isopropylbenzene (Cumene)	1.0	1.0	ug/l	H&P 8260SV	

SCS Engineers - Long Beach
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Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E710019-01) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E710019-01) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

109 % 75-125 " " " "
111 % 75-125 " " " "
109 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E710019-02) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E710019-02) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

106 % 75-125 " " " "
106 % 75-125 " " " "
105 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E710019-03) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
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Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E710019-03) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

103 % 75-125 " " " "
106 % 75-125 " " " "
105 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E710019-04) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	3.2	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E710019-04) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

104 % 75-125 " " " "
109 % 75-125 " " " "
106 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E710019-05) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E710019-05) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

104 % 75-125 " " " "
104 % 75-125 " " " "
106 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 Rep (E710019-06) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 Rep (E710019-06) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	0.40	ug/l	0.04	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane
Surrogate: 1,2-Dichloroethane-d4
Surrogate: 4-Bromofluorobenzene

103 % 75-125 " " " "
104 % 75-125 " " " "
108 % 75-125 " " " "

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV6-4 (E710019-07) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
1,1-Difluoroethane (LCC)	ND	1.0	ug/l	0.1	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.20	"	"	"	"	"	"	
Benzene	0.38	0.20	"	"	"	"	"	"	
Trichloroethene	ND	0.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.20	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.20	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	3.1	1.0	"	"	"	"	"	"	

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV6-4 (E710019-07) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
o-Xylene	ND	1.0	ug/l	0.1	EJ70504	05-Oct-17	05-Oct-17	H&P 8260SV	
Styrene	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	1.0	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	0.20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

101 % 75-125

"

"

"

"

Surrogate: 1,2-Dichloroethane-d4

136 % 75-125

"

"

"

"

S-04

Surrogate: 4-Bromofluorobenzene

106 % 75-125

"

"

"

"

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ70504 - EPA 5030

Blank (EJ70504-BLK1)

Prepared & Analyzed: 05-Oct-17

1,1-Difluoroethane (LCC)	ND	0.40	ug/l
Dichlorodifluoromethane (F12)	ND	0.40	"
Chloromethane	ND	0.40	"
Vinyl chloride	ND	0.04	"
Bromomethane	ND	0.40	"
Chloroethane	ND	0.40	"
Trichlorofluoromethane (F11)	ND	0.40	"
1,1-Dichloroethene	ND	0.40	"
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"
Methylene chloride (Dichloromethane)	ND	0.40	"
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"
trans-1,2-Dichloroethene	ND	0.40	"
1,1-Dichloroethane	ND	0.40	"
2,2-Dichloropropane	ND	0.40	"
cis-1,2-Dichloroethene	ND	0.40	"
Chloroform	ND	0.08	"
Bromochloromethane	ND	0.40	"
1,1,1-Trichloroethane	ND	0.40	"
1,1-Dichloropropene	ND	0.40	"
Carbon tetrachloride	ND	0.08	"
1,2-Dichloroethane (EDC)	ND	0.08	"
Benzene	ND	0.08	"
Trichloroethene	ND	0.08	"
1,2-Dichloropropane	ND	0.40	"
Bromodichloromethane	ND	0.40	"
Dibromomethane	ND	0.40	"
cis-1,3-Dichloropropene	ND	0.40	"
Toluene	ND	0.80	"
trans-1,3-Dichloropropene	ND	0.40	"
1,1,2-Trichloroethane	ND	0.40	"
1,2-Dibromoethane (EDB)	ND	0.40	"
1,3-Dichloropropane	ND	0.40	"
Tetrachloroethene	ND	0.08	"
Dibromochloromethane	ND	0.40	"

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ70504 - EPA 5030

Blank (EJ70504-BLK1)

Prepared & Analyzed: 05-Oct-17

Chlorobenzene	ND	0.08	ug/l
Ethylbenzene	ND	0.40	"
1,1,1,2-Tetrachloroethane	ND	0.40	"
m,p-Xylene	ND	0.40	"
o-Xylene	ND	0.40	"
Styrene	ND	0.40	"
Bromoform	ND	0.40	"
Isopropylbenzene (Cumene)	ND	0.40	"
1,1,2,2-Tetrachloroethane	ND	0.40	"
1,2,3-Trichloropropane	ND	0.40	"
n-Propylbenzene	ND	0.40	"
Bromobenzene	ND	0.40	"
1,3,5-Trimethylbenzene	ND	0.40	"
2-Chlorotoluene	ND	0.40	"
4-Chlorotoluene	ND	0.40	"
tert-Butylbenzene	ND	0.40	"
1,2,4-Trimethylbenzene	ND	0.40	"
sec-Butylbenzene	ND	0.40	"
p-Isopropyltoluene	ND	0.40	"
1,3-Dichlorobenzene	ND	0.40	"
1,4-Dichlorobenzene	ND	0.40	"
n-Butylbenzene	ND	0.40	"
1,2-Dichlorobenzene	ND	0.40	"
1,2-Dibromo-3-chloropropane	ND	4.0	"
1,2,4-Trichlorobenzene	ND	0.40	"
Hexachlorobutadiene	ND	0.40	"
Naphthalene	ND	0.08	"
1,2,3-Trichlorobenzene	ND	0.40	"

Surrogate: Dibromofluoromethane	2.11	"	2.00	105	75-125
Surrogate: 1,2-Dichloroethane-d4	2.09	"	2.00	105	75-125
Surrogate: 4-Bromofluorobenzene	2.05	"	2.00	102	75-125

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Volatile Organic Compounds by H&P 8260SV - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ70504 - EPA 5030

LCS (EJ70504-BS1)

Prepared & Analyzed: 05-Oct-17

Dichlorodifluoromethane (F12)	3.7	0.50	ug/l	5.00		74.2	70-130			
Vinyl chloride	4.2	0.05	"	5.00		83.1	70-130			
Chloroethane	5.0	0.50	"	5.00		101	70-130			
Trichlorofluoromethane (F11)	4.7	0.50	"	5.00		95.0	70-130			
1,1-Dichloroethene	4.9	0.50	"	5.00		97.6	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	4.9	0.50	"	5.00		97.7	70-130			
Methylene chloride (Dichloromethane)	4.6	0.50	"	5.00		92.9	70-130			
trans-1,2-Dichloroethene	4.8	0.50	"	5.00		96.0	70-130			
1,1-Dichloroethane	5.2	0.50	"	5.00		104	70-130			
cis-1,2-Dichloroethene	4.9	0.50	"	5.00		97.9	70-130			
Chloroform	5.2	0.10	"	5.00		103	70-130			
1,1,1-Trichloroethane	4.9	0.50	"	5.00		97.7	70-130			
Carbon tetrachloride	4.8	0.10	"	5.00		96.9	70-130			
1,2-Dichloroethane (EDC)	5.2	0.10	"	5.00		104	70-130			
Benzene	5.2	0.10	"	5.00		103	70-130			
Trichloroethene	5.0	0.10	"	5.00		99.4	70-130			
Toluene	4.6	1.0	"	5.00		91.3	70-130			
1,1,2-Trichloroethane	5.3	0.50	"	5.00		105	70-130			
Tetrachloroethene	5.2	0.10	"	5.00		105	70-130			
Ethylbenzene	5.1	0.50	"	5.00		101	70-130			
1,1,1,2-Tetrachloroethane	5.2	0.50	"	5.00		105	70-130			
m,p-Xylene	12	0.50	"	10.0		116	70-130			
o-Xylene	5.4	0.50	"	5.00		108	70-130			
1,1,2,2-Tetrachloroethane	4.6	0.50	"	5.00		92.4	70-130			

Surrogate: Dibromofluoromethane	2.56		"	2.50		102	75-125			
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	75-125			
Surrogate: 4-Bromofluorobenzene	2.26		"	2.50		90.4	75-125			

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100517-L3
Project Number: 01217033.03 Task 2 / E 35th St
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 10:29

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

LCC Leak Check Compound

ND Analyte NOT DETECTED at or above the reporting limit

MDL Method Detection Limit

%REC Percent Recovery

RPD Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

Lab Client and Project Information			
Lab Client/Consultant: <u>SCS Engineers</u>		Project Name / #: <u>01217033.03 Task 2</u>	
Lab Client Project Manager: <u>Ashley Hutchens</u>		Project Location: <u>E. 35th St.</u>	
Lab Client Address: <u>3900 Kilroy Airport Way, Ste 100</u>		Report E-Mail(s): <u>ahutchens@scsengineers.com</u> <u>cpak@</u> " " "	
Lab Client City, State, Zip: <u>Long Beach, CA 90800</u>			
Phone Number: <u>(562) 508-9002</u>			
Reporting Requirements		Turnaround Time	
☒ Standard Report ☐ Level III ☐ Level IV ☐ Excel EDD ☐ Other EDD: _____ ☐ CA Geotracker Global ID: _____		☐ 5-7 day Std ☐ 24-Hr Rush ☐ 3-day Rush ☒ Mobile Lab ☐ 48-Hr Rush ☐ Other: _____	
Sampler Information			
Sampler(s): <u>N. Swoboda</u>			
Signature: <u>[Signature]</u>			
Date: <u>10/5/17</u>			

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>10/5/17</u>	Control #: <u>170893.01</u>
H&P Project # <u>SCS100517-L3</u>	
Lab Work Order # <u>E710019</u>	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID: _____	Temp: <u>23°</u>
Outside Lab: _____	
Receipt Notes/Tracking #:	
Lab PM Initials: _____	

Additional Instructions to Laboratory:

* Preferred VOC units (please choose one):

☒ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

w/ LRLs
Batch # EJ70504

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (##)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SV3-5		10/05/17	0950	SV	Glass Syr.	193		X						X					
SV2-5			1032			175		X						X					
SV1-5			1058			171		X						X					
SV4-5			1124			252		X						X					
SV5-5			1154			193		X						X					
SV5-5 Rep			1155			262		X						X					
SV4-4 ns			1223			175		X						X					
SV6-4																			

Approved/Relinquished by: <u>[Signature]</u>	Company: <u>SCS</u>	Date: <u>10/5/17</u>	Time: <u>1456</u>	Received by: <u>Nicole Swoboda</u>	Company: <u>H&P</u>	Date: <u>10/5/17</u>	Time: <u>1456</u>
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS100517-L3
Site Address: E. 35th St.
Consultant: SCS Engineers
Consultant Rep(s): Chindo Pak

Date: 10/5/17
Page: 1 of 1
H&P Rep(s): N. Swoboda
J. Taylor J. Hernandez

Reviewed: DB
Scanned: JFE

Equipment Info		Purge Volume Information		Leak Check Compound		Resample Key RS = Resample RD = for Dilution RL = for LCC Fail
Inline Gauge ID#: <u>T06</u>	Pump ID#: <u>015</u>	PV Amount: <u>3PV</u>	PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%	☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:		

A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Sample Information				Probe Specs								Purge & Collection Information						
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☒ H ₂ O	
1	SV3-5	193	50	0950	5	7	1/8	12	1.5	6	1.5	✓	✓	697	<200	3:29	<200	Ø
2	SV2-5	175	50	1032	↓	↓	↓	↓	↓	↓	↓	✓	✓	697	<200	3:29	<200	<99"
3	SV1-5	171	50	1058	↓	↓	↓	↓	↓	↓	↓	✓	✓	697	<200	3:29	<200	<99"
4	SV4-5	252	50	1124	↓	↓	↓	↓	↓	↓	↓	✓	✓	697	<200	3:29	<200	Ø
5	SV5-5	193	50	1154	↓	↓	↓	↓	↓	↓	↓	✓	✓	697	<200	3:29	<200	Ø
6	SV5-5 RS	262	50	1155	↓	↓	↓	↓	↓	↓	↓	✓	✓	747	/	/	<200	Ø
7	SV6-4	175	50	1223	4	5	1/8	12	.75	6	.75	✓	✓	184	<200	/	<200	Ø
8	SV6-4 RD	171	50	1242	4	5	1/8	12	.75	6	.75	✓	✓	234	<200 RS	/	<200	Ø
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

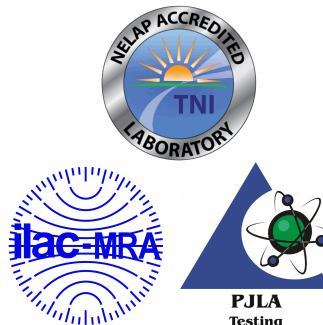
- ② low flow; vac maintained below 99" H₂O. let vac dissipate before collecting sample.
 ③ "
 ④ RS for replicate. 747 = 697 + 50cc ⑧ TPH interference; rerun for dilution; 234 = 184 + 50cc.

11 October 2017

Ms. Ashley Hutchens
SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

H&P Project: SCS100617-10
Client Project: 01217033.03 Task 2 / E 35th st

Dear Ms. Ashley Hutchens:



Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 05-Oct-17 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100617-10
Project Number: 01217033.03 Task 2 / E 35th st
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 11:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV3-5	E710024-01	Vapor	05-Oct-17	05-Oct-17
SV2-5	E710024-02	Vapor	05-Oct-17	05-Oct-17
SV1-5	E710024-03	Vapor	05-Oct-17	05-Oct-17
SV4-5	E710024-04	Vapor	05-Oct-17	05-Oct-17
SV5-5	E710024-05	Vapor	05-Oct-17	05-Oct-17
SV5-5 REP	E710024-06	Vapor	05-Oct-17	05-Oct-17
SV6-4	E710024-07	Vapor	05-Oct-17	05-Oct-17

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100617-10
Project Number: 01217033.03 Task 2 / E 35th st
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 11:02

Soil Gas and Vapor Analysis
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E710024-01) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV2-5 (E710024-02) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV1-5 (E710024-03) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV4-5 (E710024-04) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV5-5 (E710024-05) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV5-5 REP (E710024-06) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	
SV6-4 (E710024-07) Vapor Sampled: 05-Oct-17 Received: 05-Oct-17									
Methane	ND	10	ppmv	1	EJ70607	06-Oct-17	06-Oct-17	EPA 8015M	

SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806-6816	Project: SCS100617-10 Project Number: 01217033.03 Task 2 / E 35th st Project Manager: Ms. Ashley Hutchens	Reported: 11-Oct-17 11:02
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Soil Gas and Vapor Analysis - Quality Control
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ70607 - GC

Blank (EJ70607-BLK1)	Prepared & Analyzed: 06-Oct-17									
Methane	ND	10	ppmv							

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

Project: SCS100617-10
Project Number: 01217033.03 Task 2 / E 35th st
Project Manager: Ms. Ashley Hutchens

Reported:
11-Oct-17 11:02

Notes and Definitions

LCC Leak Check Compound
ND Analyte NOT DETECTED at or above the reporting limit
MDL Method Detection Limit
%REC Percent Recovery
RPD Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

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H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

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2470 Impala Drive, Carlsbad, CA 92010
 & Field Office - Signal Hill, CA
 W handpmsg.com E info@handpmsg.com
 P 760.804.9678 F 760.804.9159

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS100517-L3
Site Address: E 35th St.
Consultant: SCS Engineers
Consultant Rep(s): Chindo Pak

Date: 10/5/17
Page: 1 of 1
H&P Rep(s): N. Swoboda
T. Taylor, J. Hernandez

Reviewed: DB
Scanned: [Signature]

Equipment Info Inline Gauge ID#: <u>106</u> Pump ID#: <u>106</u>	Purge Volume Information PV Amount: <u>1 tubing</u> PV Includes: ☒ Tubing ☐ Sand 40% ☐ Dry Bent 50%	Leak Check Compound <u>ns</u> ☒ 1,1-DFA A cloth saturated with LCC is placed around ☐ 1,1,1,2-TFA tubing connections and probe seal. This is ☐ IPA done for all samples unless otherwise noted. ☐ Other:	Resample Key RS = Resample RD = for Dilution RL = for LCC Fail
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Sample Information				Probe Specs							Purge & Collection Information						
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	Probe Vac ☒ Hg ☐ H ₂ O
1 SV3-5		500	1300	5	7	1/8	12	1.5	6	1.5	✓		7	<200		<200	Ø
2 SV2-5		300	1343								✓		7	<200		<200	Ø <99"
3 SV1-5		300	1351								✓		7	<200		<200	Ø <99"
4 SV4-5		500	1357								✓		7	<200		<200	Ø
5 SV5-5		500	1404								✓		7	<200		<200	Ø
6 SV5-5 RS		500	1406	↓	↓	↓	↓	↓	↓	↓	✓		507	<200		<200	Ø
7 ns SV4-5 SV6-4		500	1412	4	5	1/8	12	.75	6	.75	✓		5	<200		<200	Ø
8																	
9																	
10																	
11																	
12																	

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

(1-7): Probes already purged 3PV for samples. Purged 1 tubing volume prior to collecting tedlars

(7) SV6-4 ns