GW – 114

SOIL INV REPORT

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Soil Investigation Report
Former Dowell Schlumberger Facility
Artesia, New Mexico

Prepared for

Schlumberger Technology Corporation and
The Dow Chemical Company

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CH2MHILL®

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Contents

Acronyms and Abbreviations

AHA	activity hazard analysis
bgs	below ground surface
FTL	field team leader
HASP	health and safety plan
IDW	investigation-derived waste
NMOCD	New Mexico Oil Conservation Division
PCE	tetrachloroethene
PID	photoionization detector
ppm	parts per million
ppmv	parts per million by volume
SSL	soil screening level
SVE	soil vapor extraction
TBM	trimethylbenzene
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
WWC	Western Water Consultants, Inc.

SECTION 1

Introduction

CH2M HILL has completed a soil investigation at the Former Dowell Schlumberger facility located in Artesia, New Mexico (site). The site is currently regulated by the New Mexico Oil Conservation Division (NMOCD). The soil investigation included the advancement of 10 soil borings and collection of soil samples for lithologic logging, field screening, and laboratory analyses. Nine soil borings, SB-01 through SB-09, were advanced near known historical operations where staining, odors, and petroleum hydrocarbon compounds in soil had previously been observed, and one soil boring, SB-10, was advanced adjacent to downgradient monitoring well MW-28. The results of the investigation provided data to assess the presence of hydrocarbon-impacted soils in those areas and to make recommendations for site closure or additional investigation, as appropriate.

A soil vapor extraction system (SVE) has been operating near the Former Wash Bay located within the facility's fenced compound. Long-term vapor monitoring and sampling results from the system's effluent has indicated that the SVE system is no longer recovering volatile organic compounds (VOCs) from the vadose zone. Due to the extended length of time since there were appreciable VOC detections, CH2M HILL is using the results of the soil investigation to provide the basis for decommissioning the SVE system.

Figure 1 shows the site boundaries, facility infrastructure, and soil boring locations.

1.1 Objectives and Scope of Soil Investigation

The objectives of the soil investigation were as follows:

1. Evaluate the nature, extent, and magnitude of VOC-impacted soils, if present at the site.
2. Collect samples of the soil aquifer matrix at three soil boring locations, SB-04, SB-09, and SB-10, and analyze them for soil oxidant demand and soil pH buffering capacity to allow selection of an injectable ISCO amendment, verify parameters for final ISCO dosing calculations, and evaluate the ISCO treatment efficiency expected within the potential target treatment zones.
3. Compare laboratory analytical VOC results against the Industrial Soil Screening levels.
4. Use the results of the soil investigation to refine the conceptual site model and assess if closure of the soils is warranted or if additional soil remediation activities are required prior to closure of site soils.
5. Evaluate whether the continued operation of the SVE system is required or if decommissioning and abandonment of the system is a viable option.
6. Prepare a report that summarizes the soil investigation findings and provides recommendations.

These objectives were achieved by collecting soil samples and submitting them for laboratory analysis to evaluate the extent and magnitude of residual VOCs in the soil and comparing the analytical results to the screening criteria established for the site. The field investigation described in this report was conducted according to the scope of investigation activities described in the CH2M HILL document entitled *Work Plan Amendment, Soil Investigation and Soil Vapor Extraction System Closure, Former Dowell Schlumberger Facility, Artesia, New Mexico (GW-114)*, dated August 15, 2013 (Appendix A), and approved by NMOCD on August 22, 2013 (Appendix B).

1.2 Personnel, Utility Clearances, and Dates of Fieldwork

The soil investigation was conducted from November 11 to 15, 2013. CH2M HILL personnel included one geologist and one environmental scientist. On November 9, 2013, New Mexico 811 utility-locating services marked utilities up to the boundaries of the site. Prior to the start of drilling activities, CH2M HILL personnel

staked the 10 soil boring locations and a third-party utility-locating service identified utilities within an area 10 feet in diameter around each boring location. In addition, New Mexico Gas Company located and marked its gas line, which is located in an easement, oriented in an east-west direction, within the central portion of the facility's fenced compound.

SECTION 2
Background

The physical setting, land uses and the previous investigation are summarized in this section to provide a frame of reference for the scope of the soil investigation. The scope of this investigation is limited to the soils from the ground surface to approximately 30 feet below ground surface (bgs) or until advancement of each boring approached the top of the water table. Therefore, geologic and hydrogeologic information below the top of the water table is not included.

2.1 Site Physical Setting, Land Use, and Adjacent Property

The approximately 48-acre site is located on the north side of 507 East Richey Avenue, northeast of downtown Artesia, New Mexico, in an area of mixed commercial, industrial, and residential development. The land surface is relatively flat and there are no surface waterways in the area. The site is primarily covered with grasses and shrubs.

Prior to its closure in the 2010, the site operated as an oil field services facility. The oil field services portion of the facility is located within a fenced compound and is currently inactive and vacant. The underground storage tanks (USTs) were removed in the late 1980s and the acid plant was removed in the mid-1990s. The office, storage buildings, and out-of-service wash bay remain. The Schlumberger Technology Corporation property outside of the facility fence line is vacant other than limited environmental-related infrastructure.

The adjacent properties include the following:

- Artesia Alfalfa Growers Association—property to the north
- Mr. Donald Kiddy and Chase Farms—property to the east
- East Richey Avenue (NM 357) and residential—property to the south
- Southeast Ready Mix Products—property to the west

2.2 Previous Investigation

The previous investigation of site soils was conducted in 1991 by Western Water Consultants, Inc. (WWC), during which soil staining and odors were observed during drilling activities. The findings were presented in its report titled *Additional Assessment and Remediation Feasibility Testing, Dowell Schlumberger Incorporated, Artesia, New Mexico,* dated November 20, 1991. During WWC's investigation, 3 soil samples were collected from 3 locations known to be historical operating areas at the facility, each from approximately 15 to 17 feet bgs. Soil analytical results indicated the presence of limited concentrations of toluene, ethylbenzene, and xylenes, along with acetone and carbon disulfide. Due to the limited scale of the WWC soil sampling, the nature, extent, and magnitude of possible soil impacts at the site were not fully assessed.

The soils observed at the site by WWC primarily consisted of light-brown to reddish-brown silt and silty clay with minor amounts of fine-grained, well-sorted sand, interbedded with clay layers and stringers of cream-colored carbonate rubble (caliche). Silts are non-plastic and noncohesive. Silty clays, clays, and fat clays range from medium to high plasticity and are cohesive. The stringers of carbonate rubble range in thickness from 0.5 to 6 inches and contain small to large gravel sizes. These very fine-grained sediments were deposited in an arid, alluvial overbank environment, and can be expected to be more laterally continuous than coarse-grained alluvial channel deposits.

Static water levels are roughly 11 to 14 feet bgs. The carbonate rubble layers constitute the primary water-bearing zones and are typically encountered at depths ranging from 24 to 30 feet bgs. The apparent groundwater flow direction is to the north-northeast.

2.3 Regulatory Criteria for Soil

The soil VOC analytical results were compared to the November 2013 U.S. Environmental Protection Agency (USEPA) Regional Screening Levels for Industrial Soil Screening Levels (SSLs). The screening levels established for the Artesia site use the lower of a carcinogenic target risk of 1×10^{-5} or a noncancer hazard index of 1. Refer to Table 1 for the SSLs for the site contaminants of concern. The use of the screening criteria for the site was presented in CH2M HILL's work plan amendment, dated August 15, 2013 (Appendix A), and approved by NMOCD on August 22, 2013 (Appendix B). The November 2013 SSLs are the most recent SSLs published by USEPA.

SECTION 3

Field Investigation

3.1 Health and Safety

Prior to the initiation of field activities, a site-specific health and safety plan (HASP) was prepared, identifying potential risks that could be encountered during the soil investigation activities. The HASP applied to CH2M HILL staff members and subcontractors. CH2M HILL staff and subcontractors signed off on the HASP prior to the start of fieldwork. Activity hazard analyses (AHAs) were established prior to the onset of fieldwork to define the activities being performed, hazards posed, and control measures required to perform the work safely. Daily safety meetings were held with project personnel to review the hazards posed, AHAs, and required health and safety procedures for each day's activities.

No health and safety incidents occurred during the field program.

3.2 Drilling, Field Screening, and Sample Collection

In accordance with the August 15, 2013, work plan amendment, the soil investigation consisted of the advancement of 10 soil borings and soil sample collection to provide data on current hydrocarbon concentrations in the site's soil. Additionally, soil cuttings were field-screened using a photoionization detector (PID) for the presence of VOCs.

Soil borings SB-01 through SB-09 were completed at the following historical site operating areas:

- Former UST areas
- Former Acid Plant
- Former Wash Bay

Soil boring SB-10 was advanced adjacent to MW-28 located in the northeast corner of the site, outside of the facility's fenced compound.

The soil borings were advanced to maximum depths between 25 and 30 feet bgs using a Central Mining Equipment model 75 hollow stem auger drill rig with 4.25-inch-diameter augers and a continuous core soil sampler. Soil samples were collected using the continuous core soil sampler and each boring was continuously logged in accordance with the Unified Soil Classification System. In addition, the location of each borehole was surveyed using a handheld global positioning system unit with submeter accuracy. Coordinates for each borehole location were recorded in the project field book and the soil boring locations are presented in Figure 1.

Soil samples were planned to be collected at predetermined depth intervals of 2, 5, 15, 20, and 30 feet bgs. Because the aquifer is semiconfined, the water table was typically not encountered until drilling reached depths greater than 20 feet bgs. The CH2M HILL field team leader (FTL) evaluated each soil boring as the drilling subcontractor approached drilling depths of 20 feet bgs to observe that the final sample depth interval was modified so that an unsaturated soil sample was collected just above the water table. Sample depth intervals were also modified based on field observations such as staining and odors.
In addition, during the advancement of each soil boring, soil vapor concentrations were monitored using heated headspace analysis. The CH2M HILL FTL collected soil from intervals in each 5-foot core to measure VOC concentrations using the PID. For example, soil was collected for heated headspace analysis at 0- to 1-, 2- to 3-, and 4- to 5-foot intervals for a given soil core. Based on the results of the headspace analysis, discoloration of soil, and odor, the predetermined sample interval was modified and the soil sample for laboratory analyses was collected from the interval that indicated the potential for highest VOC concentrations. Field observations (staining, odors, and heated headspace results) were recorded in the

project field book and soil boring logs. See Appendix C for soil boring logs containing field observations, headspace results, and the intervals from which samples were collected and submitted for laboratory analysis.

The following procedures were used to perform the heated-headspace analysis:

1. A 1-quart resealable plastic bag was filled half-full with soil sample and sealed.
2. The resealable plastic bag was placed in the field vehicle to ensure the soil sample was at 15 to 25 degrees Celsius, or approximately 60 to 80 degrees Fahrenheit.
3. Aromatic hydrocarbon vapor concentrations were allowed to develop in the headspace of the sample bag for 5 to 10 minutes. During this headspace development, the sample was shaken vigorously for 1 minute.
4. The resealable plastic bag was immediately pierced with the PID probe, and the highest (peak) measurement was recorded.

Five samples were collected from each soil boring location at selected depth intervals depending on field observations and PID headspace results. The total depth of each soil boring was dependent on the depth at which drilling advancement approached the top of the water table. The final sample interval was selected just above the water table so that the sample collected was unsaturated. Fifty soil samples, plus 5 field duplicates, were collected from the 10 soil boring locations and submitted for laboratory analysis for VOCs by USEPA Method 8260. The soil sample collection intervals are shown on the soil boring logs in Appendix C.

In addition to the VOC sample collection, one additional soil sample was collected from soil boring SB-04, SB-09, and SB-10 and analyzed for soil oxidant demand and soil pH buffering capacity.

3.3 Borehole Abandonment

Following borehole completion to total depth, the drilling subcontractor abandoned each boring by pouring bentonite chips down the borehole until level with the ground surface. The bentonite chips were slowly added to the borehole so that bridging did not occur. Potable water was added every 5 feet during bentonite placement to ensure hydration and expansion of the bentonite chips within the borehole and minimize bridging of the bentonite.

3.4 Decontamination Procedures

Downhole drilling equipment was decontaminated between boreholes by scrubbing to remove gross contamination, washing with Liquinox/Alconox phosphate-free soap, potable high-pressure hot water rinse, and water rinse.

3.5 Investigation-derived Waste Management

Soil and water were generated as investigation-derived waste (IDW) during the soil investigation at the site. Soil cuttings generated from soil borings were contained in new 55-gallon open top steel drums. Water derived from the decontamination of drilling equipment was transferred from the drilling subcontractor's decontamination trailer to new 55-gallon closed-top drums. The drums were labeled appropriately with information regarding the contents of the drum, origin of the material, address, date, generator, and contact information and staged on pallets at the site pending analysis of waste characterization samples.

Personal protective equipment and consumable equipment that was in contact with soil or water at the site was rinsed and disposed of in the onsite dumpster.

SECTION 4

Investigation Results

4.1 Field Observations and Heated Headspace Results

The soil boring logs presenting the soil stratigraphy are provided in Appendix C. A review of the boring logs indicates that soil encountered during drilling activities from the ground surface to approximately 5 feet bgs consisted of light brown to reddish/yellowish-brown dry, non-plastic, and noncohesive silt, with minor amounts of medium sized gravel/carbonate rubble (caliche). Soil encountered from approximately 5 to 15 feet bgs consisted of light brown to reddish/yellowish-brown, low to medium plasticity, cohesive, dry to moist silty clay. Soil observed in drilling cores from approximately 15 to 30 feet bgs consisted of light brown to reddish-brown, moist, low to medium plasticity, cohesive silty clay, interbedded with lean to fat clay. In addition, the fat clay beds contained intermittent stringers (2 to 6 inches thick) of cream-colored carbonate rubble with fine-grained, well-sorted sand.

No staining or odors were observed at soil borings SB-01, SB-04, SB-05, SB-06, and SB-10, and PID readings were not measured above 37 parts per million by volume (ppmv) using the PID. Staining, odor, and heated headspace results were indicated at SB-02, SB-03, SB-07, SB-08, and SB-09. Petroleum odors and gray to dark black soil were observed in the soil cores of the borings at depths ranging approximately from 15 to 30 feet bgs. The highest reported heated headspace measurement at SB-02 was 505 ppmv at a depth of 18 to 19 feet bgs. The highest heated headspace measurement at SB-03 was 379 ppmv at a depth of 16 to 17 feet bgs. SB-08 and SB-09 both had heated headspace results exceeding 1,000 ppmv at depths ranging between 16 to 20 feet bgs. SB-07 had a heated headspace result of roughly 4,000 ppmv at a depth ranging between 16 to 20 feet bgs.

4.2 Soil Analytical Results

Table 1 presents a summary of the soil analytical results. The complete laboratory analytical reports are provided in Appendix D. A review of the soil data indicate that a majority of the detections were primarily concentrated at depths ranging from 15 to 30 feet bgs. The greatest concentrations of VOCs were found in SB-07, SB-08, and SB-09 as expected due to the field observations discussed above. However, only two samples, collected from soil boring SB-09, contained VOC concentrations in excess of the Industrial SSLs. The samples exceeded the 1,2,4-trimethylbenzene (1,2,4-TMB) Industrial SSL of 260 mg/Kg, however, both were J-flagged as estimated quantities. The sample from 16-17 feet bgs contained an estimated concentration of 513 mg/Kg of 1,2,4-TMB and the sample from 18-19 feet bgs contained an estimated concentration of 291 mg/Kg of 1,2,4-TMB. The reported concentrations are less than two times the Industrial SSL and were from samples collected below the 10 feet bgs direct contact depth for a construction worker as identified in the New Mexico Environment Department, Risk Assessment Guidance for Investigations and Remediation, Volume I, February 2012 (updated June, 2012).

The only chlorinated VOC reported in the soil samples was tetratchloroethene (PCE). PCE was reported in only 4 of the 56 soil samples, and of those samples with reported quantities, 2 samples were J-flagged and reported as estimated quantities.

The soil oxidant demand and pH buffering capacity results indicate a low oxidant demand by the organic material in the formation and a low buffering capacity. The results of the aquifer matrix testing will not be further discussed in this report and will be used to evaluate the potential for ISCO injections at the site.

4.3 Quality Assurance and Quality Control

To reduce the potential for cross-contamination between samples and thus acquire high-quality data, standard industry protocols were followed in the field and during sample submission. Following collection,

soil samples were placed in laboratory-supplied coolers containing packaged wet ice and chilled to approximately 4 degrees Celsius. Each sample identification number was recorded on a chain-of-custody form at the time of sampling. At the end of each sampling day, the coolers were repackaged with fresh, containerized ice, and a copy of the chain-of-custody form was placed inside a sealable plastic bag taped to the inside of the cooler top. The coolers were then sealed with strapping tape and custody seals in at least two locations. The FTL coordinated sample shipment so that the samples arrived at the laboratory before expiration of the sample holding times.

Following receipt of the laboratory data packages, the data were subjected to a validation process. The results of the data validation are presented in the data validation technical memorandum included in Appendix E.

SECTION 5

Conclusions and Recommendations

The soil analytical results support the following two key conclusions:

- The results of this investigation indicate that two samples from 16-17 and 18-19 feet bgs in soil boring SB-09 contained estimated concentrations of 1,2,4-TMB that exceed the November 2013 USEPA Regional Screening Levels for Industrial SSLs established for the site. However, the depth intervals of the exceedances are below the 10 feet bgs depth for direct contact exposure by a construction worker established in the New Mexico Environment Department's June 2012 Risk Assessment Guidance for Investigations and Remediation and no other direct contact exposure route has been identified for the site.
- The low concentrations of VOCs observed in site soils during this investigation support the previously identified condition where the SVE system effluent has had nondetect results for nearly a decade and that the SVE system is not removing significant VOC mass from the subsurface.

CH2M HILL recommends that no further soil remediation activities be required and that the site soils be granted closure by NMOCD. CH2M HILL recommends that since the SVE system is no longer useful in the removal of vapor-phase VOCs, NMOCD allow the SVE system to be decommissioned and properly abandoned.

Table

Table 1

Summary of Laboratory Analytical Results, Soil Samples, November 2013

Former Dowell Schlumberger Facility, Artesia, New Mexico

	Location	SB01					SB02					SB03					SB04					SB05				
	Sample Depth (feet below ground surface)	2 - 3	5 - 6	15 - 16	20 - 21	24 - 25	2 - 3	5 - 6	12 - 13	18 - 19	24 - 25	2 - 3	5 - 6	15 - 16	18 - 19	24 - 25	2 - 3	5 - 6	15 - 16	20 - 21	29 - 30	2 - 3	5 - 6	11 - 12	18 - 19	25 - 26
	Sample Date	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/11/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013
Compound	EPA Industrial Soil Screening Level (mg/kg)[a]																									
1,1,1,2-Tetrachloroethane	93	<0.00151	<0.00133	<0.00123	<0.00146	<0.00125	<0.00161	<0.00207	<0.00151	<0.0013	<0.00132	<0.00147	<0.00161	<0.00129	<0.0653	<0.0011	<0.0013	<0.00142	<0.00128	<0.00133	<0.00119	<0.00139	<0.00147	<0.00125	<0.00143	<0.00149
1,1,1-Trichloroethane	38,000	<0.000797	<0.000701	<0.000648	<0.000773	<0.000659	<0.000853	<0.00109	<0.0008	<0.000689	<0.000696	<0.000774	<0.000849	<0.000683	<0.0345	<0.000583	<0.00069	<0.000749	<0.000676	<0.000705	<0.000628	<0.000737	<0.000776	<0.000661	<0.000757	<0.00079
1,1,2,2-Tetrachloroethane	28	<0.000937	<0.000825	<0.000762	<0.000909	<0.000775	<0.001	<0.00128	<0.00094	<0.000811	<0.000818	<0.00091	<0.000998	<0.000803	<0.0406	<0.000686	<0.000811	<0.000881	<0.000795	<0.000829	<0.000738	<0.000866	<0.000912	<0.000777	<0.00089	<0.000929
1,1,2-Trichloroethane	6.8	<0.000786	<0.000692	<0.00064	<0.000762	<0.00065	<0.000842	<0.00108	<0.000789	<0.00068	<0.000687	<0.000764	<0.000837	<0.000674	<0.034	<0.000576	<0.00068	<0.000739	<0.000667	<0.000695	<0.000619	<0.000727	<0.000765	<0.000652	<0.000746	<0.000779
1,1-Dichloroethane	170	<0.000937	<0.000825	<0.000762	<0.000909	<0.000775	<0.001	<0.00128	<0.00094	<0.000811	<0.000818	<0.00091	<0.000998	<0.000803	<0.0406	<0.000686	<0.000811	<0.000881	<0.000795	<0.000829	<0.000738	<0.000866	<0.000912	<0.000777	<0.00089	<0.000929
1,1-Dichloroethene	1,100	<0.00131	<0.00116	<0.00107	<0.00127	<0.00109	<0.00141	<0.0018	<0.00132	<0.00114	<0.00115	<0.00128	<0.0014	<0.00113	<0.0569	<0.000962	<0.00114	<0.00124	<0.00111	<0.00116	<0.00103	<0.00121	<0.00128	<0.00109	<0.00125	<0.0013
1,1-Dichloropropene	NA	<0.0007	<0.000616	<0.000569	<0.000679	<0.000579	<0.000749	<0.000959	<0.000702	<0.000606	<0.000611	<0.00068	<0.000746	<0.0006	<0.0303	<0.000513	<0.000606	<0.000658	<0.000594	<0.000619	<0.000551	<0.000647	<0.000682	<0.000581	<0.000665	<0.000694
1,2,3-Trichlorobenzene	490	<0.000668	<0.000588	<0.000543	<0.000647	<0.000552	<0.000715	<0.000915	<0.00067	**0.00366 J**	<0.000583	<0.000649	<0.000711	<0.000573	<0.0289	<0.000489	<0.000578	<0.000628	<0.000566	<0.00059	<0.000526	<0.000617	<0.00065	<0.000554	<0.000634	<0.000662
1,2,3-Trichloropropane	0.95	<0.00141	<0.00124	<0.00115	<0.00137	<0.00117	<0.00151	<0.00193	<0.00142	<0.00122	<0.00123	<0.00137	<0.0015	<0.00121	<0.0611	<0.00103	<0.00122	<0.00133	<0.0012	<0.00125	<0.00111	<0.0013	<0.00137	<0.00117	<0.00134	<0.0014
1,2,4-Trichlorobenzene	270	<0.00212	<0.00187	<0.00173	<0.00206	<0.00175	<0.00227	<0.00291	<0.00213	<0.00184	<0.00185	<0.00206	<0.00226	<0.00182	<0.0919	<0.00155	<0.00184	<0.002	<0.0018	<0.00188	<0.00167	<0.00196	<0.00207	<0.00176	<0.00201	<0.0021
1,2,4-Trimethylbenzene	260	<0.000991	<0.000872	<0.000806	<0.000961	<0.000819	<0.00106	<0.00136	<0.000994	<0.000857	<0.000865	<0.000963	<0.00106	<0.00085	**0.528 J**	<0.000725	<0.000857	<0.000932	<0.00084	**0.00118 J**	<0.00078	<0.000916	<0.000965	**0.000961 J**	<0.000941	<0.000982
1,2-Dibromo-3-Chloropropane	0.69	<0.00263	<0.00231	<0.00214	<0.00255	<0.00217	<0.00281	<0.0036	<0.00264	<0.00227	<0.0023	<0.00255	<0.0028	<0.00225	<0.114	<0.00192	<0.00227	<0.00247	<0.00223	<0.00232	<0.00207	<0.00243	<0.00256	<0.00218	<0.0025	<0.00261
1,2-Dichlorobenzene	9,800	<0.000862	<0.000758	<0.000701	<0.000835	<0.000713	<0.000922	<0.00118	<0.000864	<0.000745	<0.000753	<0.000837	<0.000918	<0.000739	<0.0373	<0.000631	<0.000745	<0.00081	<0.000731	<0.000762	<0.000678	<0.000797	<0.000839	<0.000715	<0.000818	<0.000854
1,2-Dichloroethane	22	<0.000969	<0.000853	<0.000789	<0.00094	<0.000802	<0.00104	<0.00133	<0.000972	<0.000838	<0.000847	<0.000942	<0.00103	<0.000831	<0.042	<0.00071	<0.000839	<0.000911	<0.000822	<0.000857	<0.000763	<0.000896	<0.000944	<0.000804	<0.00092	<0.000961
1,2-Dichloropropane	47	<0.000765	<0.000673	<0.000622	<0.000741	<0.000632	<0.000819	<0.00105	<0.000767	<0.000661	<0.000668	<0.000743	<0.000814	<0.000656	<0.0331	<0.00056	<0.000662	<0.000719	<0.000649	<0.000676	<0.000602	<0.000707	<0.000744	<0.000634	<0.000726	<0.000758
1,3,5-Trimethylbenzene	10,000	<0.00172	<0.00152	<0.0014	<0.00167	<0.00143	<0.00184	<0.00236	<0.00173	<0.00149	<0.00151	<0.00167	<0.00184	<0.00148	**0.101 J**	<0.00126	<0.00149	<0.00162	<0.00146	<0.00152	<0.00136	<0.00159	<0.00168	<0.00143	<0.00164	<0.00171
1,3-Dichlorobenzene	NA	<0.000765	<0.000673	<0.000622	<0.000741	<0.000632	<0.000819	<0.00105	<0.000767	<0.000661	<0.000668	<0.000743	<0.000814	<0.000656	<0.0331	<0.00056	<0.000662	<0.000719	<0.000649	<0.000676	<0.000602	<0.000707	<0.000744	<0.000634	<0.000726	<0.000758
1,3-Dichloropropane	20,000	<0.000679	<0.000597	<0.000552	<0.000658	<0.000561	<0.000726	<0.000929	<0.000681	<0.000587	<0.000593	<0.000659	<0.000723	<0.000582	<0.0294	<0.000497	<0.000587	<0.000638	<0.000576	<0.0006	<0.000534	<0.000627	<0.000661	<0.000563	<0.000644	<0.000673
1,4-Dichlorobenzene	120	<0.000711	<0.000625	<0.000578	<0.000689	<0.000588	<0.000761	<0.000974	<0.000713	<0.000615	<0.000621	<0.000691	<0.000757	<0.000609	<0.0308	<0.00052	<0.000615	<0.000668	<0.000603	<0.000629	<0.00056	<0.000657	<0.000692	<0.000589	<0.000675	<0.000705
2,2-Dichloropropane	NA	<0.00196	<0.00172	<0.00159	<0.0019	<0.00162	<0.0021	<0.00269	<0.00197	<0.0017	<0.00171	<0.0019	<0.00209	<0.00168	<0.0849	<0.00144	<0.0017	<0.00184	<0.00166	<0.00173	<0.00154	<0.00181	<0.00191	<0.00163	<0.00186	<0.00194
2-Butanone (Methyl Ethyl Ketone	200,000	<0.00205	<0.0018	<0.00166	<0.00198	<0.00169	<0.00219	<0.0028	<0.00205	<0.00177	<0.00179	<0.00199	<0.00218	<0.00175	<0.0886	<0.0015	<0.00177	<0.00192	<0.00174	<0.00181	<0.00161	<0.00189	<0.00199	<0.0017	<0.00194	**0.00744 J**
2-Chloroethyl Vinyl Ether	NA	<0.00106	<0.000929	<0.000859	<0.00102	<0.000873	<0.00113	<0.00145	<0.00106	<0.000913	<0.000922	<0.00103	<0.00112	<0.000905	<0.0457	<0.000773	<0.000913	<0.000993	<0.000895	<0.000933	<0.000831	<0.000976	<0.00103	<0.000875	<0.001	<0.00105
2-Chlorotoluene	20,000	<0.000732	<0.000644	<0.000596	<0.00071	<0.000606	<0.000784	<0.001	<0.000735	<0.000633	<0.00064	<0.000712	<0.00078	<0.000628	<0.0317	<0.000536	<0.000634	<0.000689	<0.000621	<0.000648	<0.000577	<0.000677	<0.000713	<0.000607	<0.000695	<0.000726
4-Chlorotoluene	20,000	<0.000894	<0.000787	<0.000727	<0.000867	<0.000739	<0.000957	<0.00122	<0.000897	<0.000773	<0.000781	<0.000869	<0.000952	<0.000766	<0.0387	<0.000654	<0.000773	<0.000841	<0.000758	<0.000791	<0.000704	<0.000827	<0.00087	<0.000741	<0.000849	<0.000886
4-Isopropyltoluene	NA	<0.0011	<0.000967	<0.000894	<0.00107	<0.000909	<0.00118	<0.0015	<0.0011	<0.00095	<0.000959	<0.00107	<0.00117	<0.000942	<0.0476	<0.000804	<0.00095	<0.00103	<0.000932	<0.000971	<0.000865	<0.00102	<0.00107	<0.000911	<0.00104	<0.00109
Benzene	54	<0.000679	**0.00219 J**	<0.000552	**0.00166 J**	<0.000561	<0.000726	**0.00109 J**	<0.000681	**0.00141 J**	**0.00212 J**	<0.000659	<0.000723	**0.000704 J**	<0.0294	**0.00248 J**	**0.000676 J**	<0.000638	**0.00338 J**	**0.0042 J**	<0.000534	<0.000627	<0.000661	**0.005**	<0.000644	**0.00173 J**
Bromobenzene	1,800	<0.00107	<0.000938	<0.000867	<0.00103	<0.000882	<0.00114	<0.00146	<0.00107	<0.000922	<0.000931	<0.00104	<0.00114	<0.000914	<0.0462	<0.000781	<0.000922	<0.001	<0.000904	<0.000943	<0.00084	<0.000986	<0.00104	<0.000884	<0.00101	<0.00106
Bromodichloromethane	14	<0.000711	<0.000625	<0.000578	<0.000689	<0.000588	<0.000761	<0.000974	<0.000713	<0.000615	<0.000621	<0.000691	<0.000757	<0.000609	<0.0308	<0.00052	<0.000615	<0.000668	<0.000603	<0.000629	<0.00056	<0.000657	<0.000692	<0.000589	<0.000675	<0.000705
Bromoform	2,200	<0.00148	<0.0013	<0.0012	<0.00143	<0.00122	<0.00158	<0.00202	<0.00148	<0.00128	<0.00129	<0.00143	<0.00157	<0.00127	<0.0639	<0.00108	<0.00128	<0.00139	<0.00125	<0.0013	<0.00116	<0.00136	<0.00144	<0.00122	<0.0014	<0.00146
Bromomethane	32	<0.000894	<0.000787	<0.000727	<0.000867	<0.000739	<0.000957	<0.00122	<0.000897	<0.000773	<0.000781	<0.000869	<0.000952	<0.000766	<0.232	<0.000654	<0.000773	<0.000841	<0.000758	<0.000791	<0.000704	<0.000827	<0.00087	<0.000741	<0.000849	<0.000886
Carbon Tetrachloride	30	<0.00122	<0.00107	<0.00099	<0.00118	<0.00101	<0.0013	<0.00167	<0.00122	<0.00105	<0.00106	<0.00118	<0.0013	<0.00104	<0.0527	<0.000891	<0.00105	<0.00114	<0.00103	<0.00108	<0.000958	<0.00113	<0.00118	<0.00101	<0.00116	<0.00121
Chlorobenzene	1,400	<0.00103	<0.00091	<0.000841	<0.001	<0.000855	<0.00111	<0.00142	<0.00104	<0.000894	<0.000903	<0.001	<0.0011	<0.000886	<0.0448	<0.000757	<0.000895	<0.000972	<0.000877	<0.000914	<0.000814	<0.000956	<0.00101	<0.000857	<0.000982	<0.00103
Chlorobromomethane	680	<0.00192	<0.00169	<0.00156	<0.00186	<0.00159	<0.00205	<0.00263	<0.00192	<0.00166	<0.00167	<0.00186	<0.00204	<0.00164	<0.083	<0.0014	<0.00166	<0.0018	<0.00163	<0.0017	<0.00151	<0.00177	<0.00187	<0.00159	<0.00182	<0.0019
Chloroethane	61,000	<0.00151	<0.00133	<0.00123	<0.00146	<0.00125	<0.00161	<0.00207	<0.00151	<0.0013	<0.00132	<0.00147	<0.00161	<0.00129	<0.0653	<0.0011	<0.0013	<0.00142	<0.00128	<0.00133	<0.00119	<0.00139	<0.00147	<0.00125	<0.00143	<0.00149
Chloroform	15	<0.000711	<0.000625	<0.000578	<0.000689	<0.000588	<0.000761	<0.000974	<0.000713	<0.000615	<0.000621	<0.000691	<0.000757	<0.000609	<0.0308	<0.00052	<0.000615	<0.000668	<0.000603	<0.000629	<0.00056	<0.000657	<0.000692	<0.000589	<0.000675	<0.000705
Chloromethane	500	<0.00179	<0.00157	<0.00145	<0.00173	<0.00148	<0.00191	<0.00245	<0.00179	<0.00155	<0.00156	<0.00174	<0.0019	<0.00153	<0.0774	<0.00131	<0.00155	<0.00168	<0.00152	<0.00158	<0.00141	<0.00165	<0.00174	<0.00148	<0.0017	<0.00177
cis-1,2-Dichloroethene	2,000	<0.000894	<0.000787	<0.000727	<0.000867	<0.000739	<0.000957	<0.00122	<0.000897	<0.000773	<0.000781	<0.000869	<0.000952	<0.000766	<0.0387	<0.000654	<0.000773	<0.000841	<0.000758	<0.000791	<0.000704	<0.000827	<0.00087	<0.000741	<0.000849	<0.000886
cis-1,3-Dichloropropene	83	<0.000582	<0.000512	<0.000473	<0.000564	<0.000481	<0.000623	<0.000797	<0.000583	<0.000503	<0.000508	<0.000565	<0.000619	<0.000499	<0.0252	<0.000426	<0.000503	<0.000547	<0.000493	<0.000514	<0.000458	<0.000538	<0.000566	<0.000482	<0.000552	<0.000577
Dibromochloromethane	33	<0.00101	<0.000891	<0.000824	<0.000982	<0.000837	<0.00108	<0.00139	<0.00102	<0.000876	<0.000884	<0.000984	<0.00108	<0.000868	<0.0438	<0.000741	<0.000876	<0.000952	<0.000859	<0.000895	<0.000797	<0.000936	<0.000986	<0.00084	<0.000961	<0.001
Dibromomethane	110	<0.000808	<0.000711	<0.000657	<0.000783	<0.000668	<0.000865	<0.00111	<0.00081	<0.000699	<0.000705	<0.000785	<0.00086	<0.000693	<0.035	<0.000591	<0.000699	<0.00076	<0.000685	<0.000714	<0.000636	<0.000747	<0.000786	<0.00067	<0.000767	<0.000801
Dichlorodifluoromethane	400	<0.00166	<0.00146	<0.00135	<0.00161	<0.00137	<0.00178	<0.00227	<0.00166	<0.00143	<0.00145	<0.00161	<0.00177	<0.00142	<0.0718	<0.00121	<0.00143	<0.00156	<0.00141	<0.00147	<0.00131	<0.00153	<0.00161	<0.00138	<0.00157	<0.00164
Ethylbenzene	270	<0.0011	<0.000967	<0.000894	<0.00107	<0.000909	<0.00118	<0.0015	<0.0011	<0.00095	<0.000959	<0.00107	<0.00117	<0.000942	<0.0476	<0.000804	<0.00095	<0.00103	<0.000932	<0.000971	<0.000865	<0.00102	<0.00107	**0.0012 J**	<0.00104	<0.00109
Ethylene Dibromide	1.7	<0.0011	<0.000967	<0.000894	<0.00107	<0.000909	<0.00118	<0.0015	<0.0011	<0.00095	<0.000959	<0.00107	<0.00117	<0.000942	<0.0476	<0.000804	<0.00095	<0.00103	<0.000932	<0.000971	<0.000865	<0.00102	<0.00107	<0.000911	<0.00104	<0.00109
Hexachlorobutadiene	220	<0.00122	<0.00107	<0.00099	<0.00118	<0.00101	<0.0013	<0.00167	<0.00122	<0.00105	<0.00106	<0.00118	<0.0013	<0.00104	<0.0527	<0.000891	<0.00105	<0.00114	<0.00103	<0.00108	<0.000958	<0.00113	<0.00118	<0.00101	<0.00116	<0.00121
Isopropylbenzene	11,000	<0.000991	<0.000872	<0.000806	<0.000961	<0.000819	<0.00106	<0.00136	<0.000994	**0.000898 J**	<0.000865	<0.000963	<0.00106	<0.00085	**0.0933 J**	<0.000725	<0.000857	<0.000932	<0.00084	<0.000876	<0.00078	<0.000916	<0.000965	<0.000822	<0.000941	<0.000982
m,p-Xylene (sum of isomers	2,500	<0.00164	<0.00144	<0.00133	<0.00159	<0.00135	<0.00175	<0.00224	<0.00164	<0.00142	<0.00143	<0.00159	<0.00174	<0.0014	<0.0709	<0.0012	<0.00142	<0.00154	<0.00139	**0.00208 J**	<0.00129	<0.00151	<0.00159	**0.00228 J**	<0.00155	<0.00162
Methyl tert-butyl ether	2,200	<0.00197	<0.00173	<0.0016	<0.00191	<0.00163	<0.00211	<0.0027	<0.00198	<0.0017	<0.00172	<0.00192	<0.0021	<0.00169	<0.0854	<0.00144	<0.00171	<0.00185	<0.00167	<0.00174	<0.00155	<0.00182	<0.00192	<0.00163	<0.00187	<0.00195
Methylene Chloride (Dichloromethane)	3,100	<0.00277	<0.00208	<0.00247	<0.00229	<0.00195	<0.00289	<0.00397	<0.00237	<0.0023	<0.00332	<0.00274	<0.00251	<0.0042	<0.102	<0.00185	<0.00204	<0.00293	<0.004	<0.00454	<0.00348	<0.0039	<0.0023	<0.00196	<0.00224	<0.00234
Naphthalene	180	<0.00255	<0.00225	<0.00208	<0.00247	<0.00211	<0.00273	<0.0035	<0.00256	**0.00331 J**	<0.00223	<0.00248	<0.00272	<0.00219	<0.991	<0.00187	<0.00221	<0.0024	<0.00217	<0.00226	<0.00201	<0.00236	<0.00253	<0.00212	<0.00242	<0.00255
n-Butylbenzene	51,000	<0.000625	<0.00055	<0.000508	<0.000606	<0.000517	<0.000669	<0.000856	<0.000627	**0.000811 J**	<0.000546	<0.000607	<0.000665	<0.000536	**0.313 J**	<0.000457	<0.00054	<0.000587	<0.00053	<0.000552	<0.000492	<0.000578	<0.000608	<0.000518	<0.000593	<0.000619
n-Propylbenzene	21,000	<0.00102	<0.0009	<0.000832	<0.000992	<0.000846	<0.0011	<0.0014	<0.00103	<0.000885	<0.000894	<0.000994	<0.00109	<0.000877	**0.133 J**	<0.000749	<0.000885	<0.000962	<0.000868	<0.000905	<0.000806	<0.000946	<0.000996	<0.000848	<0.000971	<0.00101
o-Xylene	3,000	<0.00122	<0.00107	<0.00099	<0.00118	<0.00101	<0.0013	<0.00167	<0.00122	<0.00105	<0.00106	<0.00118	<0.0013	<0.00104	<0.0527	<0.000891	<0.00105	<0.00114	<0.00103	<0.00108	<0.000958	<0.00113	<0.00118	<0.00101	<0.00116	<0.00121
sec-Butylbenzene	100,000	<0.000754	<0.000663	<0.000613	<0.000731	<0.000624	<0.000807	<0.00103	<0.000756	**0.0133**	<0.000658	<0.000733	<0.000803	<0.000646	**1.05 J**	**0.00104 J**	<0.000652	<0.000709	<0.000639	<0.000667	<0.000594	<0.000697	<0.000734	<0.000625	<0.000716	<0.000747
Styrene	36,000	<0.000765	<0.000673	<0.000622	<0.000741	<0.000632	<0.000819	<0.00105	<0.000767	<0.000661	<0.000668	<0.000743	<0.000814	<0.000656	<0.0331	<0.00056	<0.000662	<0.000719	<0.000649	<0.000676	<0.000602	<0.000707	<0.000744	<0.000634	<0.000726	<0.000758
tert-Butylbenzene	100,000	<0.00102	<0.0009	<0.000832	<0.000992	<0.000846	<0.0011	<0.0014	<0.00103	<0.000885	<0.000894	<0.000994	<0.00109	<0.000877	<0.0443	<0.000749	<0.000885	<0.000962	<0.000868	<0.000905	<0.000806	<0.000946	<0.000996	<0.000848	<0.000971	<0.00101
Tetrachloroethene	410	<0.000765	<0.000673	<0.000622	<0.000741	<0.000632	<0.000819	<0.00105	<0.000767	**0.00474**	<0.000668	<0.000743	<0.000814	<0.000656	<0.0331	<0.00056	<0.000662	<0.000719	<0.000649	**0.0018 J**	<0.000602	<0.000707	<0.000744	<0.000634	<0.000726	<0.000758
Toluene	45,000	<0.00149	**0.00289 J**	<0.00121	**0.00168 J**	<0.00123	<0.00153	<0.00159	<0.00204	<0.00149	**0.00131 J**	**0.00232 J**	<0.00144	<0.00158	<0.00127	<0.0644	**0.00276 J**	<0.00129	<0.0014	**0.0035 J**	**0.00421 J**	<0.00117	<0.00137	<0.00145	**0.00461**	**0.00165 J**
trans-1,2-Dichloroethene	690	<0.00123	<0.00108	<0.000999	<0.00119	<0.00102	<0.00131	<0.00168	<0.00123	<0.00106	<0.00107	<0.00119	<0.00131	<0.00105	<0.0532	<0.000899	<0.00106	<0.00115	<0.00104	<0.00109	<0.000967	<0.00114	<0.0012	<0.00102	<0.00117	<0.00122
trans-1,3-Dichloropropene	83	<0.000625	<0.00055	<0.000508	<0.000606	<0.000517	<0.000669	<0.000856	<0.000627	<0.00054	<0.000546	<0.000607	<0.000665	<0.000536	<0.0271	<0.000457	<0.00054	<0.000587	<0.00053	<0.000552	<0.000492	<0.000578	<0.000608	<0.000518	<0.000593	<0.000619
Trichloroethene	20	<0.00151	<0.00133	<0.00123	<0.00146	<0.00125	<0.00161	<0.00207	<0.00151	<0.0013	<0.00132	<0.00147	<0.00161	<0.00129	<0.0653	<0.0011	<0.0013	<0.00142	<0.00128	<0.00133	<0.00119	<0.00139	<0.00147	<0.00125	<0.00143	<0.00149
Trichlorofluoromethane	3,400	<0.000711	<0.000625	<0.000578	<0.000689	<0.000588	<0.000761	<0.000974	<0.000713	<0.000615	<0.000621	<0.000691	<0.000757	<0.000609	<0.0308	<0.00052	<0.000615	<0.000668	<0.000603	<0.000629	<0.00056	<0.000657	<0.000692	<0.000589	<0.000675	<0.000705
Vinyl Chloride	17	<0.000969	<0.000853	<0.000789	<0.00094	<0.000802	<0.00104	<0.00133	<0.000972	<0.000838	<0.000847	<0.000942	<0.00103	<0.000831	<0.042	<0.00071	<0.000839	<0.000911	<0.000822	<0.000857	<0.000763	<0.000896	<0.000944	<0.000804	<0.00092	<0.000961
Xylenes, Total	2,700	<0.00122	<0.00107	<0.00099	<0.00118	<0.00101	<0.0013	<0.00167	<0.00122	<0.00105	<0.00106	<0.00118	<0.0013	<0.00104	<0.0527	<0.000891	<0.00105	<0.00114	<0.00103	**0.00208 J**	<0.000958	<0.00113	<0.00118	**0.00228 J**	<0.00116	<0.00121

NOTES:

Analytical method used EPA Method 8260

mg/Kg = milligrams per kilogram (equivalent to parts per million)

[a] = The Industrial Soil Screening Levels presented are the lower of either the Carcinogenic Target Risk of $1x10^{-5}$ or Noncancer Hazard Index of 1. The Levels are taken from the November 2013 EPA Regional Screening Levels.

<0.001 = chemical not detected at concentration above detection limit shown after the "<"

J = chemical detected at concentration above instrument detection limit but below method detection limit

Detects in Bold

Results exceeding screening criteria shaded

Table 1
Summary of Laboratory Analytical Results, Soil Samples, November 2013
Former Dowell Schlumberger Facility, Artesia, New Mexico

	Location	SB06					SB07					SB08					SB09					SB10				
	Sample Depth (feet below ground surface)	2 - 3	5 - 6	11 - 12	16 - 17	21 - 22	2 - 3	5 - 6	14 - 15	20 - 21	29 - 30	2 - 3	5 - 6	16 - 17	19 - 20	24 - 25	2 - 3	5 - 6	16 - 17	18 - 19	20 - 21	2 - 3	5 - 6	15 - 16	20 - 21	29 - 30
	Sample Date	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013	11/13/2013
Compound	EPA Industrial Soil Screening Level (mg/kg)*																									
1,1,1,2-Tetrachloroethane	93	<0.00147	<0.0013	<0.00147	<0.0014	<0.00125	<0.00131	<0.00117	<0.00119	<0.0659	<0.0015	<0.0017	<0.0016	<0.522	<1.22	<0.00127	<0.00135	<0.00141	<1.07	<1.18	<0.493	<0.00155	<0.0014	<0.00214	<0.00142	<0.00136
1,1,1-Trichloroethane	38,000	<0.000776	<0.000687	<0.000778	<0.000738	<0.00066	<0.000693	<0.000616	<0.000631	<0.0348	<0.000792	<0.000898	<0.000848	<0.276	<0.646	<0.000674	<0.000713	<0.000748	<0.563	<0.625	<0.261	<0.000822	<0.00074	<0.00113	<0.000752	<0.000717
1,1,2,2-Tetrachloroethane	28	<0.000912	<0.000807	<0.000914	<0.000868	<0.000777	<0.000815	<0.000725	<0.000742	<0.041	<0.000931	<0.00106	<0.000997	<0.325	<0.759	<0.000792	<0.000839	<0.000879	<0.662	<0.735	<0.306	<0.000966	<0.00087	<0.00133	<0.000884	<0.000843
1,1,2-Trichloroethane	6.8	<0.000766	<0.000678	<0.000767	<0.000728	<0.000652	<0.000684	<0.000608	<0.000622	<0.0344	<0.000781	<0.000886	<0.000836	<0.272	<0.637	<0.000665	<0.000704	<0.000737	<0.556	<0.617	<0.257	<0.000811	<0.00073	<0.00111	<0.000742	<0.000707
1,1-Dichloroethane	170	<0.000912	<0.000807	<0.000914	<0.000868	<0.000777	<0.000815	<0.000725	<0.000742	<0.041	<0.000931	<0.00106	<0.000997	<0.325	<0.759	**0.000897 J**	<0.000839	<0.000879	<0.662	<0.735	<0.306	<0.000966	<0.00087	<0.00133	<0.000884	<0.000843
1,1-Dichloroethene	1,100	<0.00128	<0.00113	<0.00128	<0.00122	<0.00109	<0.00114	<0.00102	<0.00104	<0.0574	<0.00131	<0.00148	<0.0014	<0.455	<1.06	<0.00111	<0.00118	<0.00123	<0.928	<1.03	<0.43	<0.00135	<0.00122	<0.00186	<0.00124	<0.00118
1,1-Dichloropropene	NA	<0.000687	<0.000603	<0.000683	<0.000649	<0.00058	<0.000609	<0.000541	<0.000554	<0.0306	<0.000696	<0.000789	<0.000745	<0.243	<0.567	<0.000597	<0.000627	<0.000657	<0.495	<0.549	<0.229	<0.000722	<0.00065	<0.000992	<0.00066	<0.00063
1,2,3-Trichlorobenzene	490	<0.00065	<0.000575	<0.000652	<0.000619	<0.000553	<0.000581	<0.000516	<0.000529	<0.0292	<0.000663	<0.000752	<0.00071	<0.231	<0.541	<0.000564	<0.000598	<0.000626	<0.472	<0.524	<0.218	<0.000688	<0.00062	<0.000946	<0.00063	<0.000601
1,2,3-Trichloropropane	0.95	<0.00137	<0.00122	<0.00138	<0.00131	<0.00117	<0.00123	<0.00109	<0.00112	<0.0617	<0.0014	<0.00159	<0.0015	<0.489	<1.14	<0.00119	<0.00126	<0.00132	<0.997	<1.11	<0.461	<0.00145	<0.00131	<0.002	<0.00133	<0.00127
1,2,4-Trichlorobenzene	270	<0.00207	<0.00183	<0.00207	<0.00197	<0.00176	<0.00184	<0.00164	<0.00168	<0.0927	<0.00211	<0.00239	<0.00226	<0.735	<1.72	<0.00179	<0.0019	<0.00199	<1.5	<1.66	<0.694	<0.00219	<0.00197	<0.00301	<0.002	<0.00191
1,2,4-Trimethylbenzene	260	<0.000965	<0.000854	<0.000967	**0.0011 J**	<0.000821	<0.000861	<0.000766	<0.000784	**244 J**	**0.0431**	<0.00112	<0.00105	**246 J**	**258 J**	**0.00158 J**	<0.000887	<0.000929	**513 J**	**291 J**	**184 J**	<0.00102	<0.00092	<0.0014	<0.000935	<0.000891
1,2-Dibromo-3-Chloropropane	0.69	<0.00256	<0.00226	<0.00256	<0.00243	<0.00218	<0.00228	<0.00203	<0.00208	<0.115	<0.00261	<0.00296	<0.0028	<0.91	<2.13	<0.00222	<0.00235	<0.00247	<1.86	<2.06	<0.859	<0.00271	<0.00244	<0.00372	<0.00248	<0.00236
1,2-Dichlorobenzene	9,800	<0.000839	<0.000743	<0.000841	<0.000798	<0.000714	<0.000749	<0.000666	<0.000682	<0.0377	<0.000856	<0.000971	<0.000917	<0.299	<0.698	<0.000728	<0.000771	<0.000808	<0.609	<0.676	<0.282	<0.000888	<0.0008	<0.00122	<0.000813	<0.000775
1,2-Dichloroethane	22	<0.000944	<0.000835	<0.000946	<0.000898	<0.000803	<0.000843	<0.00075	<0.000767	<0.0424	<0.000963	<0.00109	<0.00103	<0.336	<0.785	<0.000819	<0.000868	<0.000909	<0.685	<0.76	<0.317	<0.000999	<0.0009	<0.00137	<0.000914	<0.000872
1,2-Dichloropropane	47	<0.000745	<0.000659	<0.000746	<0.000708	<0.000634	<0.000665	<0.000591	<0.000605	<0.0334	<0.00076	<0.000861	<0.000813	<0.265	<0.62	<0.000646	<0.000685	<0.000717	<0.54	<0.6	<0.25	<0.000788	<0.00071	<0.00108	**0.00215 J**	<0.000688
1,3,5-Trimethylbenzene	10,000	<0.00168	<0.00149	<0.00168	<0.0016	<0.00143	<0.0015	<0.00133	<0.00136	**62.4 J**	**0.0111**	<0.00194	<0.00183	**66.2 J**	**66.8**	<0.00146	<0.00154	<0.00162	**141**	**83.4**	**29.8**	<0.00178	<0.0016	<0.00244	<0.00163	<0.00155
1,3-Dichlorobenzene	NA	<0.000745	<0.000659	<0.000746	<0.000708	<0.000634	<0.000665	<0.000591	<0.000605	<0.0334	<0.00076	<0.000861	<0.000813	<0.265	<0.62	<0.000646	<0.000685	<0.000717	<0.54	<0.6	<0.25	<0.000788	<0.00071	<0.00108	<0.000721	<0.000688
1,3-Dichloropropane	20,000	<0.000661	<0.000585	<0.000662	<0.000629	<0.000562	<0.00059	<0.000525	<0.000537	<0.0297	<0.000674	<0.000764	<0.000722	<0.235	<0.55	<0.000574	<0.000607	<0.000636	<0.479	<0.532	<0.222	<0.000699	<0.00063	<0.000961	<0.00064	<0.00061
1,4-Dichlorobenzene	120	<0.000692	<0.000613	<0.000694	<0.000659	<0.000589	<0.000618	<0.00055	<0.000563	<0.0311	<0.000706	<0.000801	<0.000756	<0.246	<0.576	<0.000601	<0.000636	<0.000667	<0.502	<0.557	<0.232	<0.000733	<0.00066	<0.00101	<0.00067	<0.00064
2,2-Dichloropropane	NA	<0.00191	<0.00169	<0.00191	<0.00182	<0.00162	<0.0017	<0.00152	<0.00155	<0.0857	<0.00195	<0.00221	<0.00209	<0.679	<1.59	<0.00166	<0.00175	<0.00184	<1.39	<1.54	<0.641	<0.00202	<0.00182	<0.00278	<0.00185	<0.00176
2-Butanone (Methyl Ethyl Ketone	200,000	<0.00199	<0.00176	<0.002	<0.0019	**0.00412 J**	<0.00178	<0.00158	**0.0038 J**	<0.0895	<0.00203	<0.00231	<0.00218	<0.709	<1.66	**0.0135**	<0.00183	<0.00192	<1.45	<1.6	<0.669	**0.0211**	<0.0019	<0.0029	<0.00193	<0.00184
2-Chloroethyl Vinyl Ether	NA	<0.00103	<0.00091	<0.00103	<0.000978	<0.000875	<0.000918	<0.000816	<0.000836	**0.751 J**	<0.00105	<0.00119	<0.00112	<0.366	<0.855	<0.000892	<0.000945	<0.00099	<0.746	<0.828	<0.345	<0.00109	<0.00098	<0.0015	<0.000995	<0.00095
2-Chlorotoluene	20,000	<0.000713	<0.000631	<0.000715	<0.000679	<0.000607	<0.000637	<0.000566	<0.00058	<0.032	<0.000728	<0.000825	<0.000779	<0.254	<0.593	<0.000619	<0.000656	<0.000687	<0.518	<0.574	<0.239	<0.000755	<0.00068	<0.00104	<0.000691	<0.000659
4-Chlorotoluene	20,000	<0.000871	<0.00077	<0.000872	<0.000828	<0.000741	<0.000777	<0.000691	<0.000708	<0.0391	<0.000888	<0.00101	<0.000951	<0.31	<0.724	<0.000756	<0.0008	<0.000839	<0.632	<0.701	<0.292	<0.000922	<0.00083	<0.00127	<0.000843	<0.000804
4-Isopropyltoluene	NA	<0.00107	<0.000947	<0.00107	<0.00102	<0.00091	<0.000955	<0.00085	<0.00087	**2.17**	<0.00109	<0.00124	<0.00117	**3.23**	**2.61 J**	<0.000929	<0.000983	<0.00103	**4.7**	**3 J**	**1.9**	<0.00113	<0.00102	<0.00156	<0.00104	<0.000988
Benzene	54	<0.000661	<0.000585	**0.0016 J**	**0.00227 J**	**0.00176 J**	<0.00059	<0.000525	**0.000554 J**	**0.164 J**	<0.000674	<0.000764	<0.000722	<0.235	<0.55	**0.00137 J**	<0.000607	<0.000636	<0.479	<0.532	<0.222	**0.00177 J**	<0.00063	<0.000961	**0.00218 J**	**0.00214 J**
Bromobenzene	1,800	<0.00104	<0.000919	<0.00104	<0.000988	<0.000884	<0.000927	<0.000825	<0.000844	<0.0466	<0.00106	<0.0012	<0.00113	<0.369	<0.864	<0.000901	<0.000955	<0.001	<0.753	<0.836	<0.349	<0.0011	<0.00099	<0.00151	<0.00101	<0.000959
Bromodichloromethane	14	<0.000692	<0.000613	<0.000694	<0.000659	<0.000589	<0.000618	<0.00055	<0.000563	<0.0311	<0.000706	<0.000801	<0.000756	<0.246	<0.576	<0.000601	<0.000636	<0.000667	<0.502	<0.557	<0.232	<0.000733	<0.00066	<0.00101	<0.00067	<0.00064
Bromoform	2,200	<0.00144	<0.00127	<0.00144	<0.00137	<0.00122	<0.00128	<0.00114	<0.00117	<0.0645	<0.00147	<0.00166	<0.00157	<0.511	<1.2	<0.00125	<0.00132	<0.00138	<1.04	<1.16	<0.482	<0.00152	<0.00137	<0.00209	<0.00139	<0.00133
Bromomethane	32	<0.000871	<0.00077	<0.000872	<0.000828	<0.000741	<0.000777	<0.000691	<0.000708	<0.375	<0.000888	<0.00101	<0.000951	<0.802	<2.6	<0.000756	<0.0008	<0.000839	<1.69	<2.12	<0.873	<0.000922	<0.00083	<0.00127	<0.000843	<0.000804
Carbon Tetrachloride	30	<0.00119	<0.00105	<0.00119	<0.00113	<0.00101	<0.00106	<0.000941	<0.000963	<0.0532	<0.00121	<0.00137	<0.00129	<0.422	<0.986	<0.00103	<0.00109	<0.00114	<0.86	<0.954	<0.398	<0.00125	<0.00113	<0.00172	<0.00115	<0.00109
Chlorobenzene	1,400	<0.00101	<0.000891	<0.00101	<0.000958	<0.000857	<0.000899	<0.0008	<0.000819	<0.0452	<0.00103	<0.00116	<0.0011	<0.358	<0.838	<0.000874	<0.000926	<0.00097	<0.731	<0.811	<0.338	<0.00107	<0.00096	<0.00146	<0.000975	<0.00093
Chlorobromomethane	680	<0.00187	<0.00165	<0.00187	<0.00178	<0.00159	<0.00167	<0.00148	<0.00152	<0.0838	<0.0019	<0.00216	<0.00204	<0.664	<1.55	<0.00162	<0.00172	<0.0018	<1.35	<1.5	<0.627	<0.00198	<0.00178	<0.00272	<0.00181	<0.00172
Chloroethane	61,000	<0.00147	<0.0013	<0.00147	<0.0014	<0.00125	<0.00131	<0.00117	<0.00119	<0.0659	<0.0015	<0.0017	<0.0016	<0.522	<1.22	<0.00127	<0.00135	<0.00141	<1.07	<1.18	<0.493	<0.00155	<0.0014	<0.00214	<0.00142	<0.00136
Chloroform	15	<0.000692	<0.000613	<0.000694	<0.000659	<0.000589	<0.000618	<0.00055	<0.000563	<0.0311	<0.000706	<0.000801	<0.000756	<0.246	<0.576	<0.000601	<0.000636	<0.000667	<0.502	<0.557	<0.232	<0.000733	<0.00066	<0.00101	<0.00067	<0.00064
Chloromethane	500	<0.00174	<0.00154	<0.00174	<0.00166	<0.00148	<0.00155	<0.00138	<0.00142	<0.0782	<0.00178	<0.00201	<0.0019	<0.619	<1.45	<0.00151	<0.0016	<0.00168	<1.26	<1.4	<0.585	<0.00184	<0.00166	<0.00253	<0.00169	<0.00161
cis-1,2-Dichloroethene	2,000	<0.000871	<0.00077	<0.000872	<0.000828	<0.000741	<0.000777	<0.000691	<0.000708	<0.0391	<0.000888	<0.00101	<0.000951	<0.31	<0.724	<0.000756	<0.0008	<0.000839	<0.632	<0.701	<0.292	<0.000922	<0.00083	<0.00127	<0.000843	<0.000804
cis-1,3-Dichloropropene	83	<0.000566	<0.000501	<0.000567	<0.000539	<0.000482	<0.000506	<0.00045	<0.00046	<0.0254	<0.000578	<0.000655	<0.000619	<0.201	<0.471	<0.000492	<0.000521	<0.000546	<0.411	<0.456	<0.19	<0.0006	<0.00054	<0.000824	<0.000549	<0.000523
Dibromochloromethane	33	<0.000986	<0.000872	<0.000988	<0.000938	<0.000839	<0.00088	<0.000783	<0.000801	<0.0443	<0.00101	<0.00114	<0.00108	<0.351	<0.82	<0.000856	<0.000906	<0.00095	<0.715	<0.794	<0.331	<0.00104	<0.00094	<0.00143	<0.000955	<0.000911
Dibromomethane	110	<0.000787	<0.000696	<0.000788	<0.000748	<0.000669	<0.000702	<0.000625	<0.000639	<0.0353	<0.000803	<0.00091	<0.000859	<0.28	<0.654	<0.000683	<0.000723	<0.000758	<0.571	<0.633	<0.264	<0.000833	<0.00075	<0.00114	<0.000762	<0.000727
Dichlorodifluoromethane	400	<0.00162	<0.00143	<0.00162	<0.00154	<0.00137	<0.00144	<0.00128	<0.00131	<0.0725	<0.00165	<0.00187	<0.00176	<0.575	<1.34	<0.0014	<0.00148	<0.00156	<1.17	<1.3	<0.542	<0.00171	<0.00154	<0.00235	<0.00156	<0.00149
Ethylbenzene	270	<0.00107	<0.000947	<0.00107	<0.00102	<0.00091	<0.000955	<0.00085	<0.00087	**12.4 J**	**0.00198 J**	<0.00124	<0.00117	**6.21**	**18.8**	<0.000929	<0.000983	<0.00103	**36.9**	**20.8**	**14.1**	<0.00113	<0.00102	<0.00156	<0.00104	<0.000988
Ethylene Dibromide	1.7	<0.00107	<0.000947	<0.00107	<0.00102	<0.00091	<0.000955	<0.00085	<0.00087	<0.048	<0.00109	<0.00124	<0.00117	<0.381	<0.89	<0.000929	<0.000983	<0.00103	<0.776	<0.861	<0.359	<0.00113	<0.00102	<0.00156	<0.00104	<0.000988
Hexachlorobutadiene	220	<0.00119	<0.00105	<0.00119	<0.00113	<0.00101	<0.00106	<0.000941	<0.000963	<0.0532	<0.00121	<0.00137	<0.00129	<0.422	<0.986	<0.00103	<0.00109	<0.00114	<0.86	<0.954	<0.398	<0.00125	<0.00113	<0.00172	<0.00115	<0.00109
Isopropylbenzene	11,000	<0.000965	<0.000854	<0.000967	<0.000918	<0.000821	<0.000861	<0.000766	<0.000784	**21.5 J**	**0.00297 J**	<0.00112	<0.00105	**15.9**	**24.4**	<0.000838	<0.000887	<0.000929	**49**	**29.7**	**20.3**	<0.00102	<0.00092	<0.0014	<0.000935	<0.000891
m,p-Xylene (sum of isomers	2,500	<0.00159	<0.00141	<0.0016	**0.00165 J**	<0.00136	<0.00142	<0.00127	<0.0013	**49.5 J**	**0.00525 J**	<0.00184	<0.00174	**58.1**	**76.8**	**0.00138 J**	<0.00147	<0.00154	**151 J**	**75.1 J**	**19.5**	<0.00169	<0.00152	<0.00232	<0.00154	<0.00147
Methyl tert-butyl ether	2,200	<0.00192	<0.0017	<0.00192	<0.00183	<0.00163	<0.00171	<0.00152	<0.00156	<0.0862	<0.00196	<0.00222	<0.0021	<0.683	<1.6	<0.00167	<0.00176	<0.00185	<1.39	<1.55	<0.644	<0.00203	<0.00183	<0.00279	<0.00186	<0.00177
Methylene Chloride (Dichloromethane)	3,100	<0.0023	<0.00203	<0.0023	<0.00219	<0.00195	<0.00205	<0.00182	<0.00187	<0.103	<0.00234	<0.00266	<0.00251	<0.817	<1.91	<0.00199	<0.00211	<0.00221	<1.67	<1.85	<0.771	<0.00243	<0.00219	<0.00334	<0.00222	<0.00212
Naphthalene	180	<0.00249	<0.0022	<0.00249	<0.00236	<0.00212	<0.00222	<0.00218	<0.00295	**16.7 J**	**0.0272**	<0.00288	<0.00272	<29.6	<79.6	<0.0026	<0.00229	<0.00239	<54.3	<29	<20.9	<0.00273	<0.00237	<0.00382	<0.00288	<0.00749
n-Butylbenzene	51,000	<0.000608	<0.000538	<0.000609	<0.000579	<0.000518	<0.000543	<0.000483	<0.000495	**9.68 J**	**0.00281 J**	<0.000704	<0.000665	**19.4**	**17.3**	<0.000528	<0.000559	<0.000586	**30.8**	**19.1**	**11.8**	<0.000644	<0.00058	<0.000885	<0.000589	<0.000562
n-Propylbenzene	21,000	<0.000996	<0.000882	<0.000998	<0.000948	<0.000848	<0.00089	<0.000791	<0.00081	**56.6 J**	**0.00834**	<0.00115	<0.00109	**41.1**	**64.6**	<0.000865	<0.000916	<0.00096	**131**	**80.6**	**55.5**	<0.00105	<0.00095	<0.00145	<0.000965	<0.00092
o-Xylene	3,000	<0.00119	<0.00105	<0.00119	<0.00113	<0.00101	<0.00106	<0.000941	<0.000963	**102 J**	**0.005 J**	<0.00137	<0.00129	**89 J**	**120**	<0.00103	<0.00109	<0.00114	**11.5 J**	**6.27**	**0.852 J**	<0.00125	<0.00113	<0.00172	<0.00115	<0.00109
sec-Butylbenzene	100,000	<0.000734	<0.00065	<0.000736	<0.000698	<0.000625	<0.000655	<0.000583	<0.000597	**4.35**	**0.00099 J**	<0.000849	<0.000802	**6.3**	**5.15**	<0.000637	<0.000675	<0.000707	**9.65**	**6.21**	**3.97**	<0.000777	<0.0007	<0.00107	<0.000711	<0.000678
Styrene	36,000	<0.000745	<0.000659	<0.000746	<0.000708	<0.000634	<0.000665	<0.000591	<0.000605	<0.0334	<0.00076	<0.000861	<0.000813	**2.7**	<0.62	<0.000646	<0.000685	<0.000717	<0.54	<0.6	<0.25	<0.000788	<0.00071	<0.00108	<0.000721	<0.000688
tert-Butylbenzene	100,000	<0.000996	<0.000882	<0.000998	<0.000948	<0.000848	<0.00089	<0.000791	<0.00081	<0.0447	<0.00102	<0.00115	<0.00109	<0.354	<0.829	<0.000865	<0.000916	<0.00096	<0.723	**47.5 J**	<0.335	<0.00105	<0.00095	<0.00145	<0.000965	<0.00092
Tetrachloroethene	410	<0.000745	<0.000659	<0.000746	<0.000708	<0.000634	<0.000665	<0.000591	<0.000605	**0.512**	<0.00076	<0.000861	<0.000813	**0.705 J**	<0.62	<0.000646	<0.000685	<0.000717	<0.54	<0.6	<0.25	<0.000788	<0.00071	<0.00108	<0.000721	<0.000688
Toluene	45,000	<0.00145	<0.00128	<0.00145	**0.00241 J**	**0.00175 J**	<0.00129	<0.00115	<0.00118	**2.12**	<0.00148	<0.00167	<0.00158	<0.515	<1.2	**0.00143 J**	<0.00133	<0.00139	<1.05	<1.17	<0.486	**0.00181 J**	<0.00138	<0.00211	**0.00245 J**	**0.00248 J**
trans-1,2-Dichloroethene	690	<0.0012	<0.00106	<0.0012	<0.00114	<0.00102	<0.00107	<0.00095	<0.000972	<0.0537	<0.00122	<0.00138	<0.00131	<0.425	<0.995	<0.00104	<0.0011	<0.00115	<0.868	<0.963	<0.401	<0.00127	<0.00114	<0.00174	<0.00116	<0.0011
trans-1,3-Dichloropropene	83	<0.000608	<0.000538	<0.000609	<0.000579	<0.000518	<0.000543	<0.000483	<0.000495	<0.0273	<0.000621	<0.000704	<0.000665	<0.216	<0.506	<0.000528	<0.000559	<0.000586	<0.441	<0.49	<0.204	<0.000644	<0.00058	<0.000885	<0.000589	<0.000562
Trichloroethene	20	<0.00147	<0.0013	<0.00147	<0.0014	<0.00125	<0.00131	<0.00117	<0.00119	<0.0659	<0.0015	<0.0017	<0.0016	<0.522	<1.22	<0.00127	<0.00135	<0.00141	<1.07	<1.18	<0.493	<0.00155	<0.0014	<0.00214	<0.00142	<0.00136
Trichlorofluoromethane	3,400	<0.000692	<0.000613	<0.000694	<0.000659	<0.000589	<0.000618	<0.00055	<0.000563	<0.0311	<0.000706	<0.000801	<0.000756	<0.246	<0.576	<0.000601	<0.000636	<0.000667	<0.502	<0.557	<0.232	<0.000733	<0.00066	<0.00101	<0.00067	<0.00064
Vinyl Chloride	17	<0.000944	<0.000835	<0.000946	<0.000898	<0.000803	<0.000843	<0.00075	<0.000767	<0.0424	<0.000963	<0.00109	<0.00103	<0.336	<0.785	<0.000819	<0.000868	<0.000909	<0.685	<0.76	<0.317	<0.000999	<0.0009	<0.00137	<0.000914	<0.000872
Xylenes, Total	2,700	<0.00119	<0.00105	<0.00119	**0.00165 J**	<0.00101	<0.00106	<0.000941	<0.000963	**152 J**	**0.0103**	<0.00137	<0.00129	**147**	**197**	**0.00138 J**	<0.00109	<0.00114	**163 J**	**81.4**	**20.4**	<0.00125	<0.00113	<0.00172	<0.00115	<0.00109

NOTES:

Analytical method used EPA Method 8260

mg/Kg = milligrams per kilogram (equivalent to parts per million)

*= The Industrial Soil Screening Levels presented are the lower of either the Carcinogenic Target Risk of $1x10^{-5}$ or Noncancer Hazard Index of 1. The Levels are taken from the November 2013 EPA Regional Screening Levels.

<0.001 = chemical not detected at concentration above detection limit shown after the "<"

J = chemical detected at concentration above instrument detection limit but below method detection limit

Detects in Bold

Results exceeding screening criteria shaded

Figure

LEGEND

- Soil Boring Location
- Monitoring Well
- Groundwater Extraction Well
- Fence
- Property Line

N

0 100 200
Feet

FIGURE 1
Soil Boring Locations
Former Dowell Schlumberger Facility
Artesia, New Mexico

RDD \\BALDUR\PROJ\DOWELL_ARTESIA_469935\MAPFILES\FIG1_SOIL_BORING_LOCATIONS.MXD MSCHROCK 2/25/2014 9:53:24 AM

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Appendix A
Work Plan Amendment, Soil Investigation, and Soil Vapor Extraction System Closure

Virgilio Cocianni
Remediation Manager

Schlumberger
105 Industrial Boulevard
Sugar Land, TX 77478
Tel: (281) 285-4747

Schlumberger

August 15, 2013

Mr. Edward Hansen
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Work Plan Amendment
Soil Investigation and Soil Vapor Extraction System Closure
Former Dowell Schlumberger Facility, Artesia, New Mexico (GW-114)

Dear Mr. Hansen:

On behalf of Schlumberger and The Dow Chemical Company, CH2M HILL has prepared this work plan amendment, under existing Discharge Plan GW-114, to perform investigation of the soil in areas where historical investigation activities noted the presence of soil contamination at the Former Dowell Schlumberger Facility in Artesia, New Mexico. Additionally, this work plan amendment describes decommissioning of the soil vapor extraction (SVE) system at the Former Wash Bay area of the site.

Background

Soil investigations were performed at the site in the early 1990s. Figure 1 illustrates locations of former plant operational areas as well as locations where soil staining or odors were observed during drilling according to the report *Additional Assessment and Remediation Feasibility Testing*, Dowell Schlumberger Incorporated, Artesia, New Mexico, dated November 20, 1991, and prepared by Western Water Consultants, Inc. Three soil samples were collected from 3 locations, each from roughly 15 to 17 feet below ground surface (bgs). The soil samples indicated the presence of limited concentrations of toluene, ethylbenzene, and xylenes, along with acetone and carbon disulfide. A single detection of chloromethane was deemed as possibly being a laboratory contaminant. The limited scale of the soil sampling, as understood based on the available information, makes it difficult to fully assess the nature, extent, and magnitude of possible soil impacts at the site.

An SVE system has been operating in the Former Wash Bay area to recover vapor-phase VOCs from the vadose zone. The system was reportedly placed into service in 1995 to recover benzene, toluene, ethylbenzene, and xylenes (BTEX) and chlorinated solvents (primarily tetrachloroethene [PCE]) near the Former Wash Bay. However, the exact data on the nature, extent, and magnitude of contamination that prompted the installation of the SVE system have not been able to be identified. Figure 2 presents a trend graph showing the rapid decrease in recovered soil vapor concentrations since 1995. Based on long-term quarterly monitoring results of the SVE system offgas, the vapor-phase volatile organic compounds (VOCs) appear to have been removed and the SVE system is no longer recovering any notable VOC mass from the vadose zone. Therefore, it is recommended that the SVE system

be taken offline. Due to the extended length of time since there were any appreciable VOC detections (since roughly 2000), no rebound study is proposed as part of investigation activities described in this work plan amendment.

Field Activities

The purpose of the soil investigation is to collect data to evaluate whether remaining soil contaminant concentrations at the site have the potential to create effluent or leachate that may impact the quality of the groundwater, thereby warranting additional soil remediation activities. Soil boring locations have been selected to investigate those areas deemed most likely to be affected by historical site operations and also based on the available, although limited, information from prior drilling and soil sampling activities at the site. The proposed soil boring locations will provide data on current VOC concentrations in soil at the following historical site operating areas:

- Former underground storage tanks (USTs) areas
- Former Acid Plant
- Former Wash Bay

Data obtained from the new soil borings will provide the basis for a soil closure strategy. To achieve closure of the site soils, it will need to be demonstrated that residual VOCs present in soils are not of sufficient concentrations to impact groundwater at levels in excess of the New Mexico Water Quality Control Commission groundwater standards in New Mexico Administrative Code 20.6.2.

Ten soil borings will be completed using direct push or hollow-stem auger methods at the locations shown on Figure 1. Continuous coring will be completed at each borehole to a total depth of 30 feet bgs. Soil cores will be logged in accordance with the Unified Soil Classification System at a minimum of 5-ft intervals during advancement of the borehole, or when a change in lithology is observed. Soil vapor concentrations will be monitored with a photoionization detector during advancement of each borehole and staining and odors will be noted and recorded. At the conclusion of field activities, the soil boring locations will be surveyed using a handheld global positioning system unit with submeter accuracy and will be plotted on the site plans.

Soil samples are expected to be collected for analysis at 2, 5, 15, 20, and 30 feet bgs from each borehole. However, sample depths may be modified in the field based on field observations such as staining, odors, or PID detections. Although the static depth to water is roughly 11 to 12 feet bgs at the site, the aquifer is semiconfined and water is not typically encountered until drilling reaches a depth greater than 20 feet bgs. Therefore, the final depth of the sample from the roughly 20-foot-bgs interval will be modified so that an unsaturated sample is collected just above the water table in order to assess potential VOC soil concentrations in contact with groundwater. The soil samples will be properly labeled and then appropriately packed and shipped to the analytical laboratory for VOC analysis by U.S. Environmental Protection Agency (USEPA) Method 8260.

In addition to the soil boring and sampling methods described above, additional soil samples will be collected at the three locations shown in Figure 1 within the aquifer matrix to support evaluation of the in situ chemical oxidation (ISCO) objectives (see *Artesia Groundwater Remediation Program Modifications Work Plan Amendment* [Schlumberger, August 2013]). The soil samples will be analyzed for soil oxidant demand and soil pH buffering capacity to allow selection of an injectable ISCO amendment, verify parameters for final ISCO dosing calculations, and evaluate the ISCO treatment efficiency expected within the target treatment zones.

A decade's worth of nearly non-detect results from the SVE system effluent indicate the system is no longer removing any significant VOC mass from the subsurface. Therefore, the SVE system will be taken offline at the start of the field investigation; however, the SVE infrastructure will be left in place pending the findings of the soil investigation. Assuming the additional soil investigation at the site does not identify areas of significant soil contamination that would be amenable to remediation through SVE, the SVE system will be properly decommissioned. During decommissioning subsurface extraction wells and piping will be either removed or abandoned in place by filling with grout. Above-grade features, including piping and the SVE blower, will be disconnected and removed.

Waste Management

Solid and liquid waste will be generated during the field activities. Potential solid waste streams include soil from drilling, personal protective equipment, and concrete and pipe from SVE decommissioning. Liquid waste will include rinsate from decontamination. The waste will be characterized, managed, and disposed of offsite in accordance with applicable local, state, and federal regulations.

Data Evaluation and Reporting

Laboratory data will be validated and tabulated for report presentation. Field data will be compiled from field logs and presented in tables listing the sampling details, field observations, and field parameter measurements. The data will be used to further refine the understanding of the site conceptual model and to direct project decisions regarding the need for additional investigation or other activities that will support site remediation and/or closure. A subset of the data will also be used to evaluate the potential for other groundwater treatment methods in lieu of the current recirculation system. Further discussion of that evaluation is presented in a separate work plan amendment.

Following completion of investigation activities and receipt and evaluation of the data, a soil investigation summary report will be prepared to document soil investigation activities and conclusions and to make recommendations for either additional field activities or closure of the site soils.

Evaluation of Possible Targeted Soil Excavation

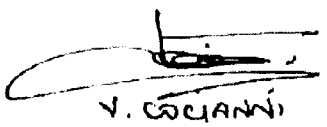
As described above, the results from the soil investigation will be used to assess the nature, magnitude, and extent of residual VOC concentrations in soil and to evaluate whether such VOCs, if present, have the potential to impact site groundwater. This information will be used

to not only supplement the overall conceptual site model, but also to specifically evaluate whether soil excavation should be considered to achieve site closure goals.

The May 2013 USEPA Regional Screening Levels, Industrial Soil Screening Levels will be used to evaluate the soil VOC results because the New Mexico Oil Conservation Division does not have soil screening levels. The screening levels established for the Artesia facility use the lower of a carcinogenic target risk of 1×10^{-5} or a noncancer hazard index of 1. Table 1 presents the industrial soil screening levels for those VOCs that were detected in the 1991 soil samples. Soils within 15 feet of the ground surface that have VOC concentrations that exceed screening levels could be reasonably excavated if that action would facilitate site closure. If data collected from the soil investigation indicate the presence of contaminated soil, then additional soil borings may be needed to refine an area that is appropriate for excavation and to pre-define the excavation limits. If soil excavation is conducted, the VOC-contaminated soil will be excavated, stockpiled, sampled, and properly disposed of offsite. Overall, the potential need for soil excavation is considered low because available soil, groundwater, and soil vapor data are not suggestive of highly contaminated soils. However, if volumes of soil at concentrations above screening levels are present, excavation provides a viable and complete mechanism to fully remediate those soils to support site closure.

If you have any questions or comments, please call me at 281-285-4747 or contact me through email at cocianni-v@slb.com.

Sincerely,

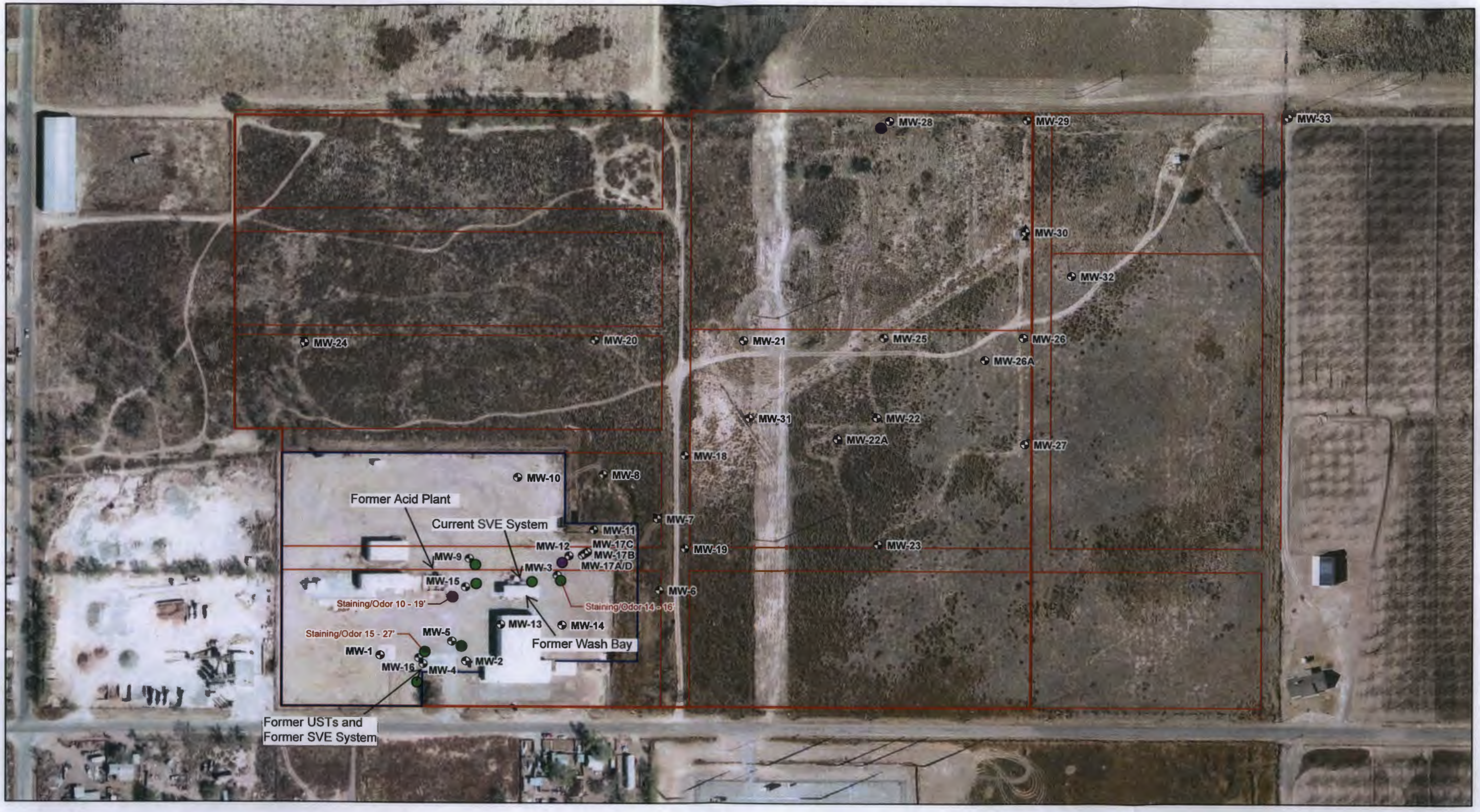


Virgilio Cocianni
Remediation Manager

c: Jim Strunk, The Dow Chemical Company (1 hard copy)
Cathy Barnett/CH2M HILL (1 electronic copy)
Jennifer Laggan/CH2M HILL (1 electronic copy)
Jeffrey Minchak/CH2M HILL (1 electronic copy)

Enclosures

Figures



LEGEND

- Monitoring Well
- Groundwater Extraction Well
- Fence
- Right of Way Boundary
- Property Line

- Sample for VOCs at 2, 5, 15, 20, and 30 feet bgs.
- Sample for VOCs at 2, 5, 15, 20, and 30 feet bgs. Additionally, sample aquifer material at 30 feet bgs for SOD and soil buffering capacity.

N

0 100 200
Feet

FIGURE 1
Soil Investigation Locations
Former Dowell Schlumberger Facility
Artesia, New Mexico

RDD \\BALDUR\PROJ\DOWELL_ARTESIA_469935\MAPFILES\FIG1_SOIL_INVEST_LOCATIONS.MXD MSCHROCK 8/9/2013 1:10:57 AM

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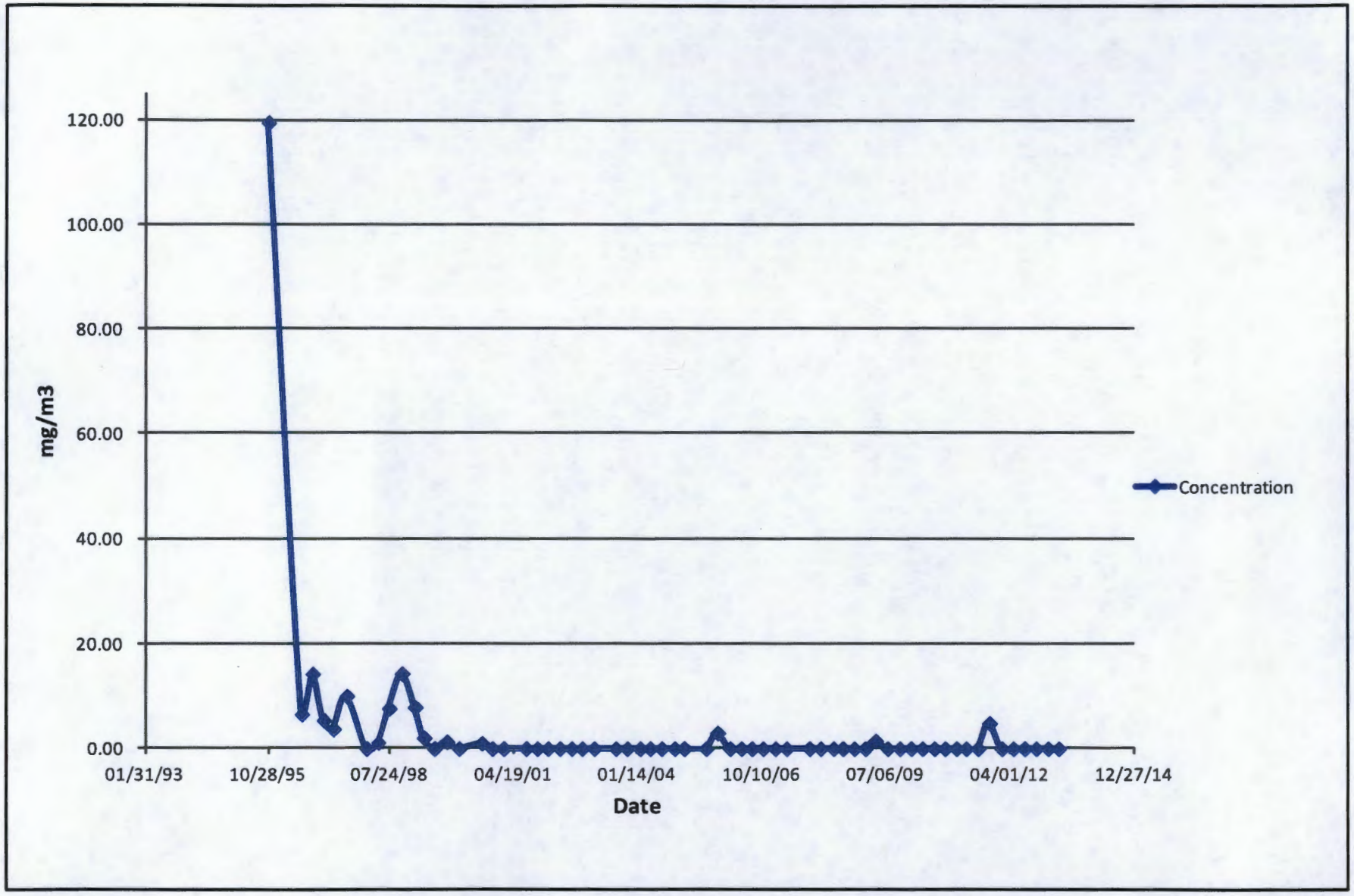

FIGURE 2
BTEX Trend Graph
Former Dowell Schlumberger Facility
Artesia, New Mexico

Table

TABLE 1

USEPA Regional Soil Screening Levels for Selected Analytes—May 2013

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Analyte	Industrial Soil Screening Level (mg/kg) [a]
Acetone	630,000
Benzene	54
Carbon Disulfide	3,700
Chloromethane	500
1,1-Dichloroethane	170
1,2-Dichloroethane	22
1,1-Dichloroethene (1,1-DCE)	1,100
Ethylbenzene	270
Tetrachloroethene (PCE)	410
Toluene	45,000
1,1,1-Trichloroethane (1,1,1-TCA)	38,000
1,1,2-Trichloroethane	7
Trichloroethene (TCE)	20
p-Xylene	2,600
m-Xylene	2,500
o-Xylene	3,000

mg/kg = milligrams per kilogram

a. The Industrial Soil Screening Levels presented are the lower of either the Carcinogenic Target Risk of $1x10^{-5}$ or Noncancer Hazard Index of 1. The levels are taken from the May 2013 EPA Regional Screening Levels.

Appendix B
NMOCD Approval of Work Plan Amendment

Minchak, Jeff/ABQ

From: Hansen, Edward J., EMNRD <edwardj.hansen@state.nm.us>
Sent: Thursday, August 22, 2013 4:39 PM
To: cocianni-v@slb.com
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Barnett, Cathy/STL; Minchak, Jeff/ABQ
Subject: Discharge Permit (GW-114) Work Plan (Soil Investigation and Soil Vapor Extraction System Closure) Amendment Approval - Schlumberger Oilfield Services Facility - Artesia

RE: Work Plan Amendment
for the Schlumberger Oilfield Services'
Schlumberger Oilfield Services Facility - Artesia
507 E. Richey Ave., Artesia, New Mexico
Discharge Permit (GW-114) Work Plan (Soil Investigation and Soil Vapor Extraction System Closure) Amendment Approval

Dear Mr. Cocianni:

The Oil Conservation Division (OCD) has received the Work Plan Amendment for the Schlumberger Oilfield Services Facility - Artesia, dated August 15, 2013. The proposed amendment, submitted for the above-referenced site, indicates that the Schlumberger Oilfield Services (Schlumberger) is substantially complying with the requirements of 20.6.2 NMAC [Water Quality Control Commission (WQCC) Regulations]. Therefore, the OCD conditionally approves the amendment to the work plan:

Schlumberger shall submit to the OCD for approval a soil investigation report and soil remediation plan prior to the Soil Vapor Extraction System Closure.

Please be advised that OCD approval of this amendment does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Appendix C
Soil Boring Logs

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-01	SHEET 1 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING : 25 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT, (ML), 5YR 7/6, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	2.6
5	5 - 6						
		5 - 6		ML	SILT, (ML), 5YR 7/6 & 2.5YR 8/1, Dry, Soft, Non-plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	2.5 1.8 4.5
10							
		10 - 15		CL	LEAN CLAY, (CL), 5YR 7/6, Moist, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	3.0 2.5
15	15 - 16						4.4
		15 - 20		CL	LEAN CLAY, (CL), 2.5YR 6/6, Moist, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	6.1 3.9
20	20 - 21						
		20 - 25		CL	LEAN CLAY, (CL), 2.5YR 6/6, Wet, Soft, Moist to Wet, Low to Medium Plasticity, Cohesive	No Staining, No Odor	5.6 4.4 3.3
25	24 - 25						4.2

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-02	SHEET 2 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA
DRILLING CONTRACTOR : National Exploration, Wells, & Pumps
DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"
DIRECTION OF HOLE : Vertical
TOTAL DEPTH OF BORING : 25 feet
LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT, (ML), 5YR 7/4, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	1.6
5							
	5 - 6			ML	SILT, (ML), 5YR 7/3, 5YR 8/1, Dry, Medium Density, Non-Plastic, Non-cohesive, Trace Caliche Rubble		2.6
		5 - 10			SILT, (ML), 5YR 8/1, Dry, Medium Density, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	3.3 10.3
10					SILT, (ML), 7.5YR 6/3, Dry, Soft, Non-Plastic, Non-cohesive		
		10 - 13		ML	SILT, (ML), 7.5YR 6/6, 5YR 6/4, & 5YR 7/3, Dry, Medium Density, Non-Plastic, Non-cohesive		6.1
	12 - 13					No Staining, No Odor	2.9
15							
		15 - 20		CL	LEAN CLAY, (CL), 7.5YR 5/3, Dry to Moist, Soft to Medium Density, Low to Medium Plasticity, Cohesive	Strong Petroleum Odor, Black Staining	206
	18 - 19				LEAN CLAY, (CL), 7.5YR 6/3 & 7.5YR 8/1, Dry, Medium Density, Low to Medium Plasticity, Cohesive		505
20							
				CL	LEAN CLAY, (CL), 2.5YR 5/4, Moist, Soft, Low Plasticity, Cohesive		120
					LEAN CLAY, (CL), 7.5YR 6/2, Moist, soft, Low Plasticity, Cohesive		3.8
		20 - 25			LEAN CLAY, (CL), 10YR 5/3, Soft, Moist to Wet, Low Plasticity, Cohesive	Strong Petroleum Odor, Black Staining	
25	24 - 25						4.6 12.4

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-03	SHEET 3 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT, (ML), 7.5YR 6/4, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	3.1
5					SILT, (ML), 7.5YR 7/4, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble		
	5 - 6						2.5
		5 - 8		ML	SILT, (ML), 7.5YR 7/3 & 5YR 8/1, White-Colored Lenses 1 - 2 cm Thick, Dry, Soft to Medium Density, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	3.0
10							
							3.7
		10 - 15		CL	LEAN CLAY, (CL), 5YR 5/4, 5/6, & 8/1, White-Colored Lenses 1 - 2 cm Thick, Dry, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	
15							4.3
	15 - 16				LEAN CLAY, (CL), 5YR 7/4 & 5YR 8/1, Dry, Medium Density, Low to Medium Plasticity, Cohesive		4.7
		15 - 20		CL	LEAN CLAY, (CL), 5GY 5/2 & 10YR 5/2, Dry, Medium Density, Low to Medium Plasticity, Cohesive	Strong Petroleum Odor, Dark Grey Stain	379
	18 - 19				LEAN CLAY, (CL),5YR 5/4, Moist, Medium Density, Low to Medium Plasticity, Cohesive	Strong Petroleum Odor, Dark Grey Stain	352
20							
					LEAN CLAY, (CL), 5YR 5/4, Dry, Medium Density, Low to Medium Plasticity, Cohesive		5.6
				CL	LEAN CLAY, (CL), 5YR 6/3, Dry, Medium Density, Low to Medium Plasticity, Cohesive		5.8
		20 - 25				No Staining, No Odor	
					LEAN CLAY, (CL), 5YR 5/6, Moist, Soft, Low to Medium Plasticity, Cohesive		5.1
25	24 - 25						
							56.0
		25 - 30		CL	LEAN CLAY, (CL), 5YR 5/6, Moist to Wet, Soft, Low to Medium Plasticity, Cohesive	No Staining, No Odor	5.7
							4.9
30							6.4

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-04	SHEET 4 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
5	2 - 3	0 - 5		ML	SILT, (ML), 10YR 7/4, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	24.6
	5 - 6						18.2
10		9 - 10		CL	LEAN CLAY, (CL), 10YR 7/4, Dry, Medium Density, Low Plasticity, Cohesive	No Staining, No Odor	33.7
		10 - 15		CL	LEAN CLAY, (CL), 5YR 6/4, 2.5YR 8/3, & 7.5YR 7/4, Dry to Moist, Medium Density, Low Plasticity, Cohesive, Silty	Petroleum Odor, Staining	26.5
15							22.6
	15 - 16						25.1
		15 - 20		CL	LEAN CLAY WITH SAND, (CL), Fine to Medium-Grained, Sparse Amounts of Small Gravel, 7.5YR 8/3, 7/4, & 6/4, Moist, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	23.0
20							25.3
	20 - 21						26.6
		20 - 25		CL	LEAN CLAY WITH SAND, (CL), Intermittent Beds of Fat Clay with Sand & Caliche Rubble, 7.5YR 6/4, Moist, Medium Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	23.0
25							19.4
							20.9
		25 - 30		CL	GRAVELLY LEAN CLAY WITH SAND, (CL), Intermittent Beds of Fat Clay with Sand & Caliche Rubble, 7.5YR 6/4, Moist to Wet, Soft to Stiff Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	31.0
30	29 - 30						29.1
							30.0

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-05	SHEET 5 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT, (ML), 2.5YR 7/4 & 2.5YR 7/3, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	21.4
5	5 - 6						20.3
		8 - 10		ML	SILT, (ML), 10YR 6/6, Dry, Soft, Non-Plastic, Non-cohesive	No Staining, No Odor	
10				ML	SILT, (ML), 7.5YR 6/6, Moist, Soft, Non-Plastic, Non-cohesive		29.5
	11 - 12				SILT WITH SAND, (ML), 7.5YR 6/8, Dry, Soft, Non-Plastic, Non-cohesive		29.0
		10 - 15		CL	LEAN CLAY, (CL), 7.5YR 7/4, Moist, Medium Density, Low Plasticity, Cohesive	No Staining, No Odor	23.0
15							16.1
		15 - 20		CL	LEAN CLAY, (CL), 5YR 5/6 & 5YR 7/4, Moist, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	16.1
	18 - 19						30.4
20							26.2
		20 - 25		CL	LEAN CLAY, (CL), Intermittent Beds of Fat Clay with Stringers of Caliche Rubble with Sand, 7.5YR 6/4, 7.5YR 6/6, and 7.5YR 5/4, Moist, Medium Density, High to Medium Plasticity, Cohesive	No Staining, No Odor	31.3
							34.1
25	25 - 26						31.1
		25 - 30		CL	LEAN CLAY, (CL), Intermittent Beds of Fat Clay with Stringers of Caliche Rubble with Sand, 7.5YR 5/4 & 7.5YR 6/4, Moist to Wet, Medium to Stiff Density, High to Medium Plasticity, Cohesive	No Staining, No Odor	35.9
							31.3
30							27.5

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-06	SHEET 6 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING : 25 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
5	2 - 3	0 - 5		ML	SILT, (ML), 7.5YR 7/4 & 7.5YR 8/4, Dry, Soft, Non-plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	24.7
	5 - 6						18.3
		5 - 10		ML	SILT, (ML), 7.5YR 7/4, 7.5YR 8/3, & 5YR 6/4, Soft to Medium Density, Dry to Moist, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	35.9
10							37.8
	11 - 12						33.7
		10 - 15		ML	SILT, (ML), 2.5Y 7/3, 5YR 8/2, & 5YR 5/4, Dry to Moist, Soft, Non-Plastic, Non-cohesive	No Staining, No Odor	33.2
15							31.1
	16 - 17						29.6
		15 - 20		CL	LEAN CLAY WITH SAND, (CL), Intermittent Stringers of Caliche Rubble, 7.5YR 5/6, 7.5YR 6/4, & 2.5YR 5/6, Dry to Moist, Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	38.4
20							29.6
	21 - 22						29.7
		20 - 25		CH	FAT CLAY, (CH), Intermittent Stringers of Caliche Rubble, 7.5YR 7/4, 7.5YR 5/4, & 7.5YR 4/6, Moist to Wet, Stiff Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	29.0
25							24.3
							22.8

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-07	SHEET 7 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
5	2 - 3	0 - 5		ML	SILT, (ML), 7.5YR 7/4 & 7.5YR 6/4, Soft, Dry, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	5.3
	5 - 6						5.1
10		9 - 10		ML	SILT, (ML), 7.5YR 6/4, Dry, Soft, Non-Plastic, Non-cohesive	No Staining, No Odor	5.0
		14 - 15		CL	LEAN CLAY, (CL), 7.5YR 5/3, Dry to Moist, Soft to Medium Density, Low Plasticity, Cohesive	No Staining, No Odor	
15	14 - 15						5.4
		16 - 20		CH	FAT CLAY, (CH), Intermittent Stringers of Caliche Rubble, 5Y 2.5/1, Moist, Medium to High Density, Medium to High Plasticity, Cohesive	Strong Petroleum Odor, Dark Black Staining	4702
20	20 - 21						
		20 - 25		CH	FAT CLAY, (CH), Intermittent Stringers of Caliche Rubble, 5Y 2.5/1, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	Strong Petroleum Odor, Dark Black Staini	2088
25							
		25 - 30		CH	FAT CLAY, (CH), Intermittent Stringers of Caliche Rubble, 5Y 4/1, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	Strong Petroleum Odor, Dark Black Staini	68.0
30	29 - 30						

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-08	SHEET 8 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING : 25 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT WITH SAND, (ML), 10YR 8/4 & 10YR 8/3, Soft, Dry, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	2.1
5	5 - 6						2.6
		9 - 10		ML	SILT WITH SAND, (ML), 10YR 8/3, Soft, Dry, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	
10							3.8
		13 - 15		CL	LEAN CLAY WITH SAND, (CL), 7.5YR 5/1, Dry to Moist, Medium Density, Low to Medium Plasticity, Cohesive, 2 - 3 inches of Caliche Rubble at 15 feet	No Staining, No Odor	
15							2.9
	16 - 17	16 - 20		CH	FAT CLAY, (CH), Intermittent Stringers of Caliche Rubble with Sand, 5Y 2.5/1, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	Strong Petroleum Odor, Dark Black Staining	911
20	19 - 20						1280 1645
		20 - 25		SW	WELL GRADED SAND, (SW), Intermittent Beds of Fat Clay with Stringers of Caliche Rubble with Sand, 5Y 4/1, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	Petroleum Odor, Black Staining	6.2
25	24 - 25						14.9

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-09	SHEET 9 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
5	2 - 3	0 - 5		ML	SILT, (ML), 10YR 8/4 & 10YR 8/3, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	3.1
	5 - 6						2.7
10		9 - 10		ML	SILT, (ML), 10YR 7/3, Dry, Soft, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	6.7
		13 - 15		CL	LEAN CLAY WITH SAND, (CL), Stringers of Caliche Rubble with Sand, 7.5YR 4/4, 7.5YR 5/2, Dry to Moist, Soft to Medium Density, Low to Medium Plasticity, Cohesive	No Staining, No Odor	4.2 3.5
15						trong Petroleum Odor, Staining	149
	16 - 17	16 - 20		CH	FAT CLAY, (CH), Stringers of Caliche Rubble with Sand 2 - 6 inches Thick, 7.5YR 5/2, 10YR 5/2, Moist, Medium to High Density, Medium to High Plasticity, Cohesive	Strong Petroleum Odor, Dark Black Staining	1884
	18 - 19						1704
20	20 - 21						1180
		20- 25		CH	FAT CLAY, (CH), Stringers of Caliche Rubble with Sand 2 - 6 inches Thick, 10YR 5/2, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	16.5 5.8
25							6.3
	25 - 30	25 - 30		CH	FAT CLAY, (CH), Stringers of Caliche Rubble with Sand 2 - 6 inches Thick, 10YR 6/3, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	6.7 8.1
30							5.0

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
469935.04.02	SB-10	SHEET 10 OF 10

DRILLING LOG

PROJECT Dowell Schlumberger Soil Investigation LOCATION : Artesia, New Mexico ELEVATION (TBM or MSL) : NA

DRILLING CONTRACTOR : National Exploration, Wells, & Pumps

DRILLING METHOD/EQUIPMENT: Hollow Stem Auger with Continuous Core, CME 75 SIZE/TYPE OF BIT : 4.25"

DIRECTION OF HOLE : Vertical

TOTAL DEPTH OF BORING 30 feet

LOGGER : L.Hill

DEPTH BELOW SURFACE (ft)	SAMPLE INTERVAL (ft)	RECOVERY (ft)	#/TYPE	USCS CODE	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: Notes/Comments	PID Results (ppm)
	2 - 3	0 - 5		ML	SILT, (ML), 10YR 6/4 & 10YR 7/4, Soft, Dry, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	2.7
5	5 - 6						3.0
		5 - 10		SW	WELL GRADED SAND, (SW), 10YR 8/3, Soft, Dry, Non-Plastic, Non-cohesive, Trace Caliche Rubble	No Staining, No Odor	3.4
10							3.0
							3.0
		10 - 15		CL	LEAN CLAY WITH SAND, (CL), Stringers of Caliche Rubble, 10YR 8/1 & 5YR 6/4, Soft, Dry, Low Plasticity, Cohesive	No Staining, No Odor	3.0
							2.3
15	15 - 16						3.8
		17 - 20		CL	LEAN CLAY WITH SAND, (CL), 7.5YR 6/5 & 7.5YR 6/4, Stringers of Caliche Rubble with Sand, Soft, Dry to Moist, Low Plasticity, Cohesive	No Staining, No Odor	2.1
20	20 - 21						2.4
		20 - 25		CL	LEAN CLAY WITH SAND, (CL), Stringers of Caliche Rubble, 7.5YR 6/5, Dry to Moist, Soft to Medium Density, Low Plasticity, Cohesive	No Staining, No Odor	3.5
25							3.0
		25 - 30		CH	FAT CLAY, (CH), Stringers of Caliche Rubble with Sand, 10YR 6/3, Moist to Wet, Medium to High Density, Medium to High Plasticity, Cohesive	No Staining, No Odor	2.4
							2.9
30	29 - 30						2.8
							3.0

Appendix D
Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 600-82738-1

Job Description: Dowell - Artesia Soils, 11/11 - 11/13/13

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923

Attention: Mr. John Ynfante

Approved for release.
Cathy L Upton
Project Management Assistant II
1/21/2014 4:44 PM

Cathy L Upton, Project Management Assistant II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
01/21/2014
Revision: 1

cc: Mr. Rick Dobbins
Luke Hill
Jeffrey Minchak

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

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CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Soils, 11/11 - 11/13/13

Report Number: 600-82738-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

REVISION
Report was revised to include Acetone and Carbon disulfide in soil samples.

RECEIPT
Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 11/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.5 C, 1.5 C, 1.7 C, 2.0 C, 2.7 C and 3.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS Soil)
Sample SB10-5-6-11132013 (600-82738-57) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/26/2013.

The Terracore kit for sample SB10-5-6-11132013 (600-82738-57) was not received by the laboratory. The sample was analyzed from the bulk jar.

Methylene Chloride was detected in method blank MB 600-121704/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

2-Chloroethyl vinyl ether failed the recovery criteria high for LCS 600-121704/3. 2-Chloroethyl vinyl ether failed the recovery criteria high for LCSD 600-121704/5. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

The continuing calibration verification (CCV) for 2-Chloroethyl vinyl ether associated with batch 121704 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS Soil)
Samples SB01-2-3-11112013 (600-82738-2), SB01-5-6-11112013 (600-82738-3), SB01-15-16-11112013 (600-82738-4), SB01-20-21-11112013 (600-82738-5), SB01-24-25-11112013 (600-82738-6), SB02-2-3-11112013 (600-82738-7), SB02-5-6-11112013 (600-82738-8), SB02-12-13-11112013 (600-82738-9), SB02-18-19-11112013 (600-82738-10), SB02-24-25-11112013 (600-82738-11), FD02-24-25-11112013 (600-82738-12), SB03-2-3-11112013 (600-82738-14), SB03-5-6-11112013 (600-82738-15), SB03-15-16-11112013 (600-82738-16), SB03-18-19-11112013 (600-82738-17), SB03-24-25-11112013 (600-82738-18),

SB04-2-3-11122013 (600-82738-20), SB04-5-6-11122013 (600-82738-21), SB04-15-16-11122013 (600-82738-22), SB04-20-21-11122013 (600-82738-23), FD04-20-21-11122013 (600-82738-24), SB04-29-30-11122013 (600-82738-25), SB05-2-3-11122013 (600-82738-26), SB05-5-6-11122013 (600-82738-27), SB05-11-12-11122013 (600-82738-28), SB05-18-19-11122013 (600-82738-29), SB05-25-26-11122013 (600-82738-30), SB06-2-3-11122013 (600-82738-32), SB06-5-6-11122013 (600-82738-33), SB06-11-12-11122013 (600-82738-34), SB06-16-17-11122013 (600-82738-35), SB06-21-22-11122013 (600-82738-36), FD06-21-22-11122013 (600-82738-37), SB07-2-3-11122013 (600-82738-39), SB07-5-6-11122013 (600-82738-40), SB07-14-15-11122013 (600-82738-41), SB07-20-21-11122013 (600-82738-42), SB07-29-30-11122013 (600-82738-43), SB08-2-3-11132013 (600-82738-45), SB08-5-6-11132013 (600-82738-46), FD08-5-6-11132013 (600-82738-47), SB08-16-17-11132013 (600-82738-48), SB08-19-20-11132013 (600-82738-49), SB08-24-25-11132013 (600-82738-50), SB09-2-3-11132013 (600-82738-51), SB09-5-6-11132013 (600-82738-52), SB09-16-17-11132013 (600-82738-53), SB09-18-19-11132013 (600-82738-54), SB09-20-21-11132013 (600-82738-55), SB10-2-3-11132013 (600-82738-56), SB10-15-16-11132013 (600-82738-58), SB10-20-21-11132013 (600-82738-59), SB10-29-30-11132013 (600-82738-60) and FD10-29-30-11132013 (600-82738-61) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/19/2013 and 11/22/2013 and analyzed on 11/20/2013, 11/21/2013, 11/22/2013, 11/24/2013, 11/26/2013 and 11/28/2013.

Since the compound list was adjusted after analysis was completed, 1,2,4-Trimethylbenzene was reported as an estimated "E" value for samples 600-82738-42, 49, 53, 54, 55. The samples were analyzed from a medium level dilution with additional dilutions, but this analyte was still over the calibration range. Since the holding time had expired, this is the best analytical result achievable.

Methylene Chloride was detected in method blanks MB 600-121113/4, 600-121230/5, at a level that was above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Naphthalene was detected in method blanks MB 600-121151/4 and MB 600-121251/4 at a level that was above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bromomethane was detected in method blank MB 600-121548/2-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Naphthalene was detected in method blank MB 600-121548/2-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

Toluene-d8 (Surr) failed the surrogate recovery criteria high for SB05-5-6-11122013MS (600-82738-27MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

2-Chloroethyl vinyl ether failed the recovery criteria high for LCS 600-121113/3 and LCSD 600-121113/10. 2-Chloroethyl vinyl ether failed the recovery criteria high for LCS 600-121230/3 and LCSD 600-121230/4.
Tetrachloroethene failed the recovery criteria high for LCS 600-121357/9. 1,2-Dibromo-3-Chloropropane failed the recovery criteria high for LCSD 600-121251/6. These analytes were biased high in the LCS's and/or LCSD's and were not detected in the associated samples; therefore, the data have been reported.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for up to 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 121251 had 2 analytes (Tetrachloroethene and Trichloroethene) below control limits and the LCS associated with batch 121548 had 1 analyte (2-Chloroethyl vinyl ether) below control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Acetone exceeded the RPD limit for LCSD 600-121113/10. Dichlorodifluoromethane exceeded the RPD limit for LCSD 600-121251/6.

Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample SB01-2-3-11112013MS (600-82738-2) in batch 600-121113.

For the MSD of sample SB01-2-3-11112013MSD (600-82738-2) in batch 600-121113, several analytes failed the recovery criteria low. 2-Chloroethyl vinyl ether failed the recovery criteria high. Also, several analytes exceeded the RPD limit.

Several analytes failed the recovery criteria low for the MS of sample SB05-5-6-11122013MS (600-82738-27) in batch 600-121251. Several analytes failed the recovery criteria high.

For the MSD of sample SB05-5-6-11122013MSD (600-82738-27) in batch 600-121251, several analytes failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, several analytes exceeded the RPD limit.

2-Chloroethyl vinyl ether and tert-Butylbenzene failed the recovery criteria low for the MS of sample SB09-18-19-11132013MS (600-82738-54) in batch 600-121549.

1,2,4-Trimethylbenzene, 2-Chloroethyl vinyl ether, m-Xylene & p-Xylene and tert-Butylbenzene failed the recovery criteria low for the MSD of sample SB09-18-19-11132013MSD (600-82738-54) in batch 600-121549.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Matrix interference is suspected. The associated laboratory control samples (LCSs) met acceptance criteria.

Refer to the QC report for details.

Internal standard responses were outside of acceptance limits for the following sample(s): SB05-5-6-11122013MS (600-82738-27 MS). Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 were below the acceptance criteria, indicating a potential high bias. The sample(s) shows evidence of matrix interference.

Internal standard responses were outside of acceptance limits for the following sample(s): SB05-18-19-11122013 (600-82738-29), SB05-25-26-11122013 (600-82738-30), SB06-11-12-11122013 (600-82738-34), SB06-16-17-11122013 (600-82738-35), MB 600-121251/4, FD08-5-6-11132013 (600-82738-47), FD10-29-30-11132013 (600-82738-61), SB07-14-15-11122013 (600-82738-41), SB07-5-6-11122013 (600-82738-40), SB08-2-3-11132013 (600-82738-45), SB10-15-16-11132013 (600-82738-58), SB10-20-21-11132013 (600-82738-59), SB10-29-30-11132013 (600-82738-60). The internal standard 1,4-Dioxane-d8 is not associated with any target analytes.

The continuing calibration verifications (CCVs) for 2-Chloroethyl vinyl ether associated with batches 121113 and 121230 recovered above the upper control limit. The continuing calibration verifications (CCVs) for Naphthalene associated with batches 121151 and 121549 recovered above the upper control limit. The continuing calibration verification (CCV) for 1,2-Dibromo-3-chloropropane associated with batch 121251 recovered above the upper control limit. The samples associated with these CCVs were non-detects for the affected analytes; therefore, the data have been reported.
The continuing calibration verification (CCV) for analytical batch 600-121151 recovered below control criteria for Tetrachloroethene. The continuing calibration verification (CCV) for analytical batch 121251 recovered below control limits for 1,2,3-Trichloropropane. Per the laboratory's SOP criteria, up to six non-CCC analytes can recover up to 50%; therefore, the results have been reported and qualified.
The continuing calibration verification (CCV) for analytical batch 600-121151 recovered above control criteria for Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 121549 recovered below control limits for 2-Chloroethyl vinyl ether. Since this analyte was not originally requested, the data have been qualified and reported.
No other difficulties were encountered during the volatiles analysis.
All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS Water)
Samples TB01-11112013 (600-82738-13), TB02-11112013 (600-82738-19), TB03-11122013 (600-82738-38), TB04-11122013 (600-82738-44), TB05-11132013 (600-82738-63) and TB06-11132013 (600-82738-64) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/18/2013.

The following sample(s) was received preserved with hydrochloric acid: TB01-11112013 (600-82738-13), TB02-11112013 (600-82738-19), TB03-11122013 (600-82738-38), TB04-11122013 (600-82738-44), TB05-11132013 (600-82738-63), and TB06-11132013 (600-82738-64). The requested target analyte list contains 2-chloroethyl vinyl ether, vinyl chloride and styrene, which are acid-labile compounds that degrade in an acidic medium.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene and Naphthalene were detected in method blank MB 600-120809/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

2-Chloroethyl vinyl ether failed the recovery criteria low for the MS of sample 600-82739-1 in batch 600-120809. Benzene failed the recovery criteria high.

-2-Chloroethyl vinyl ether failed the recovery criteria low for the MSD of sample 600-82739-1 in batch 600-120809.

The associated laboratory control sample met acceptance criteria.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

The continuing calibration verification (CCV) for analytical batch 120809 recovered above control limits for Chloromethane. The samples

associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 120809 recovered below control limits for 2-Chloroethyl vinyl ether. Since the recovery was within acceptance limits in the LCS, the data have been qualified and reported.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples SB01-2-3-11112013 (600-82738-2), SB01-5-6-11112013 (600-82738-3), SB01-15-16-11112013 (600-82738-4), SB01-20-21-11112013 (600-82738-5), SB01-24-25-11112013 (600-82738-6), SB02-2-3-11112013 (600-82738-7), SB02-5-6-11112013 (600-82738-8), SB02-12-13-11112013 (600-82738-9), SB02-18-19-11112013 (600-82738-10), SB02-24-25-11112013 (600-82738-11), FD02-24-25-11112013 (600-82738-12), SB03-2-3-11112013 (600-82738-14), SB03-5-6-11112013 (600-82738-15), SB03-15-16-11112013 (600-82738-16), SB03-18-19-11112013 (600-82738-17), SB03-24-25-11112013 (600-82738-18), SB04-2-3-11122013 (600-82738-20), SB04-5-6-11122013 (600-82738-21), SB04-15-16-11122013 (600-82738-22), SB04-20-21-11122013 (600-82738-23), FD04-20-21-11122013 (600-82738-24), SB04-29-30-11122013 (600-82738-25), SB05-2-3-11122013 (600-82738-26), SB05-5-6-11122013 (600-82738-27), SB05-11-12-11122013 (600-82738-28), SB05-18-19-11122013 (600-82738-29), SB05-25-26-11122013 (600-82738-30), SB06-2-3-11122013 (600-82738-32), SB06-5-6-11122013 (600-82738-33), SB06-11-12-11122013 (600-82738-34), SB06-16-17-11122013 (600-82738-35), SB06-21-22-11122013 (600-82738-36), FD06-21-22-11122013 (600-82738-37), SB07-2-3-11122013 (600-82738-39), SB07-5-6-11122013 (600-82738-40), SB07-14-15-11122013 (600-82738-41), SB07-20-21-11122013 (600-82738-42), SB07-29-30-11122013 (600-82738-43), SB08-2-3-11132013 (600-82738-45), SB08-5-6-11132013 (600-82738-46), FD08-5-6-11132013 (600-82738-47), SB08-16-17-11132013 (600-82738-48), SB08-19-20-11132013 (600-82738-49), SB08-24-25-11132013 (600-82738-50), SB09-2-3-11132013 (600-82738-51), SB09-5-6-11132013 (600-82738-52), SB09-16-17-11132013 (600-82738-53), SB09-18-19-11132013 (600-82738-54), SB09-20-21-11132013 (600-82738-55), SB10-2-3-11132013 (600-82738-56), SB10-5-6-11132013 (600-82738-57), SB10-15-16-11132013 (600-82738-58), SB10-20-21-11132013 (600-82738-59), SB10-29-30-11132013 (600-82738-60) and FD10-29-30-11132013 (600-82738-61) were analyzed for percent solids in accordance with EPA SW846 Method 3550C. The samples were analyzed on 11/19/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-82738-2	SB01-2-3-11112013	Solid	11/11/2013 1230	11/15/2013 0921
600-82738-2MS	SB01-2-3-11112013MS	Solid	11/11/2013 1230	11/15/2013 0921
600-82738-2MSD	SB01-2-3-11112013MSD	Solid	11/11/2013 1230	11/15/2013 0921
600-82738-3	SB01-5-6-11112013	Solid	11/11/2013 1240	11/15/2013 0921
600-82738-4	SB01-15-16-11112013	Solid	11/11/2013 1325	11/15/2013 0921
600-82738-5	SB01-20-21-11112013	Solid	11/11/2013 1330	11/15/2013 0921
600-82738-6	SB01-24-25-11112013	Solid	11/11/2013 1335	11/15/2013 0921
600-82738-7	SB02-2-3-11112013	Solid	11/11/2013 1430	11/15/2013 0921
600-82738-8	SB02-5-6-11112013	Solid	11/11/2013 1435	11/15/2013 0921
600-82738-9	SB02-12-13-11112013	Solid	11/11/2013 1440	11/15/2013 0921
600-82738-10	SB02-18-19-11112013	Solid	11/11/2013 1515	11/15/2013 0921
600-82738-11	SB02-24-25-11112013	Solid	11/11/2013 1520	11/15/2013 0921
600-82738-12	FD02-24-25-11112013	Solid	11/11/2013 1530	11/15/2013 0921
600-82738-13	TB01-11112013	Water	11/11/2013 1150	11/15/2013 0921
600-82738-14	SB03-2-3-11112013	Solid	11/11/2013 1610	11/15/2013 0921
600-82738-15	SB03-5-6-11112013	Solid	11/11/2013 1615	11/15/2013 0921
600-82738-16	SB03-15-16-11112013	Solid	11/11/2013 1630	11/15/2013 0921
600-82738-17	SB03-18-19-11112013	Solid	11/11/2013 1655	11/15/2013 0921
600-82738-18	SB03-24-25-11112013	Solid	11/11/2013 1705	11/15/2013 0921
600-82738-19	TB02-11112013	Water	11/12/2013 1200	11/15/2013 0921
600-82738-20	SB04-2-3-11122013	Solid	11/12/2013 0850	11/15/2013 0921
600-82738-21	SB04-5-6-11122013	Solid	11/12/2013 0855	11/15/2013 0921
600-82738-22	SB04-15-16-11122013	Solid	11/12/2013 0910	11/15/2013 0921
600-82738-23	SB04-20-21-11122013	Solid	11/12/2013 0915	11/15/2013 0921
600-82738-24	FD04-20-21-11122013	Solid	11/12/2013 1000	11/15/2013 0921
600-82738-25	SB04-29-30-11122013	Solid	11/12/2013 1005	11/15/2013 0921
600-82738-26	SB05-2-3-11122013	Solid	11/12/2013 1055	11/15/2013 0921
600-82738-27	SB05-5-6-11122013	Solid	11/12/2013 1100	11/15/2013 0921
600-82738-27MS	SB05-5-6-11122013MS	Solid	11/12/2013 1100	11/15/2013 0921
600-82738-27MSDMSD	SB05-5-6-11122013MSD	Solid	11/12/2013 1100	11/15/2013 0921
600-82738-28	SB05-11-12-11122013	Solid	11/12/2013 1125	11/15/2013 0921
600-82738-29	SB05-18-19-11122013	Solid	11/12/2013 1135	11/15/2013 0921
600-82738-30	SB05-25-26-11122013	Solid	11/12/2013 1140	11/15/2013 0921
600-82738-32	SB06-2-3-11122013	Solid	11/12/2013 1230	11/15/2013 0921
600-82738-33	SB06-5-6-11122013	Solid	11/12/2013 1235	11/15/2013 0921
600-82738-34	SB06-11-12-11122013	Solid	11/12/2013 1305	11/15/2013 0921
600-82738-35	SB06-16-17-11122013	Solid	11/12/2013 1320	11/15/2013 0921
600-82738-36	SB06-21-22-11122013	Solid	11/12/2013 1333	11/15/2013 0921
600-82738-37	FD06-21-22-11122013	Solid	11/12/2013 1335	11/15/2013 0921
600-82738-38	TB03-11122013	Water	11/12/2013 0700	11/15/2013 0921
600-82738-39	SB07-2-3-11122013	Solid	11/12/2013 1545	11/15/2013 0921
600-82738-40	SB07-5-6-11122013	Solid	11/12/2013 1600	11/15/2013 0921
600-82738-41	SB07-14-15-11122013	Solid	11/12/2013 1635	11/15/2013 0921
600-82738-42	SB07-20-21-11122013	Solid	11/12/2013 1645	11/15/2013 0921
600-82738-43	SB07-29-30-11122013	Solid	11/12/2013 1700	11/15/2013 0921
600-82738-44	TB04-11122013	Water	11/12/2013 0700	11/15/2013 0921
600-82738-45	SB08-2-3-11132013	Solid	11/13/2013 0800	11/15/2013 0921
600-82738-46	SB08-5-6-11132013	Solid	11/13/2013 0805	11/15/2013 0921
600-82738-47	FD08-5-6-11132013	Solid	11/13/2013 0810	11/15/2013 0921
600-82738-48	SB08-16-17-11132013	Solid	11/13/2013 0840	11/15/2013 0921
600-82738-49	SB08-19-20-11132013	Solid	11/13/2013 0845	11/15/2013 0921
600-82738-50	SB08-24-25-11132013	Solid	11/13/2013 0850	11/15/2013 0921

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-82738-51	SB09-2-3-11132013	Solid	11/13/2013 0920	11/15/2013 0921
600-82738-52	SB09-5-6-11132013	Solid	11/13/2013 0925	11/15/2013 0921
600-82738-53	SB09-16-17-11132013	Solid	11/13/2013 1015	11/15/2013 0921
600-82738-54	SB09-18-19-11132013	Solid	11/13/2013 1020	11/15/2013 0921
600-82738-54MS	SB09-18-19-11132013MS	Solid	11/13/2013 1020	11/15/2013 0921
600-82738-54MSD	SB09-18-19-11132013MSD	Solid	11/13/2013 1020	11/15/2013 0921
600-82738-55	SB09-20-21-11132013	Solid	11/13/2013 1025	11/15/2013 0921
600-82738-56	SB10-2-3-11132013	Solid	11/13/2013 1130	11/15/2013 0921
600-82738-57	SB10-5-6-11132013	Solid	11/13/2013 1135	11/15/2013 0921
600-82738-58	SB10-15-16-11132013	Solid	11/13/2013 1215	11/15/2013 0921
600-82738-59	SB10-20-21-11132013	Solid	11/13/2013 1220	11/15/2013 0921
600-82738-60	SB10-29-30-11132013	Solid	11/13/2013 1225	11/15/2013 0921
600-82738-61	FD10-29-30-11132013	Solid	11/13/2013 1230	11/15/2013 0921
600-82738-63	TB05-11132013	Water	11/13/2013 0800	11/15/2013 0921
600-82738-64	TB06-11132013	Water	11/13/2013 0900	11/15/2013 0921

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-2	**SB01-2-3-11112013**					
Methylene Chloride		2.77	J B	10.8	ug/Kg	8260B
Acetone		4.14	J *	10.8	ug/Kg	8260B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture
600-82738-3	**SB01-5-6-11112013**					
Benzene		2.19	J	4.74	ug/Kg	8260B
Toluene		2.89	J	4.74	ug/Kg	8260B
Acetone		48.4	*	9.48	ug/Kg	8260B
Percent Moisture		11		1.0	%	Moisture
Percent Solids		89		1.0	%	Moisture
600-82738-4	**SB01-15-16-11112013**					
Methylene Chloride		2.47	J B	8.76	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture
600-82738-5	**SB01-20-21-11112013**					
Benzene		1.66	J	5.22	ug/Kg	8260B
Toluene		1.68	J	5.22	ug/Kg	8260B
Acetone		22.8	*	10.4	ug/Kg	8260B
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture
600-82738-6	**SB01-24-25-11112013**					
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture
600-82738-7	**SB02-2-3-11112013**					
Methylene Chloride		2.89	J B	11.5	ug/Kg	8260B
Acetone		17.0	*	11.5	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-8	**SB02-5-6-11112013**					
Methylene Chloride		3.97	J B	14.8	ug/Kg	8260B
Benzene		1.09	J	7.38	ug/Kg	8260B
Acetone		24.5	*	14.8	ug/Kg	8260B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture
600-82738-9	**SB02-12-13-11112013**					
Percent Moisture		19		1.0	%	Moisture
Percent Solids		81		1.0	%	Moisture
600-82738-10	**SB02-18-19-11112013**					
Methylene Chloride		2.30	J B	9.32	ug/Kg	8260B
Benzene		1.41	J	4.66	ug/Kg	8260B
Toluene		1.31	J	4.66	ug/Kg	8260B
Tetrachloroethene		4.74		4.66	ug/Kg	8260B
Isopropylbenzene		0.898	J	4.66	ug/Kg	8260B
sec-Butylbenzene		13.3		4.66	ug/Kg	8260B
n-Butylbenzene		0.811	J	4.66	ug/Kg	8260B
Naphthalene		3.31	J	9.32	ug/Kg	8260B
1,2,3-Trichlorobenzene		3.66	J	4.66	ug/Kg	8260B
Carbon disulfide		2.58	J	9.32	ug/Kg	8260B
Acetone		44.7	*	9.32	ug/Kg	8260B
Percent Moisture		18		1.0	%	Moisture
Percent Solids		82		1.0	%	Moisture
600-82738-11	**SB02-24-25-11112013**					
Methylene Chloride		3.32	J B	9.41	ug/Kg	8260B
Benzene		2.12	J	4.70	ug/Kg	8260B
Toluene		2.32	J	4.70	ug/Kg	8260B
Acetone		34.1	*	9.41	ug/Kg	8260B
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-12	**FD02-24-25-11112013**					
Benzene		3.54	J	4.68	ug/Kg	8260B
Toluene		3.61	J	4.68	ug/Kg	8260B
m-Xylene & p-Xylene		1.48	J	9.35	ug/Kg	8260B
Xylenes, Total		1.48	J	4.68	ug/Kg	8260B
1,2,4-Trimethylbenzene		0.902	J	4.68	ug/Kg	8260B
Acetone		69.3	*	9.35	ug/Kg	8260B
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture
600-82738-14	**SB03-2-3-11112013**					
Methylene Chloride		2.74	J B	10.5	ug/Kg	8260B
Acetone		1.91	J *	10.5	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
600-82738-15	**SB03-5-6-11112013**					
Acetone		2.57	J *	11.5	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
600-82738-16	**SB03-15-16-11112013**					
Methylene Chloride		4.20	J B	9.23	ug/Kg	8260B
Benzene		0.704	J	4.62	ug/Kg	8260B
Percent Moisture		10		1.0	%	Moisture
Percent Solids		90		1.0	%	Moisture
600-82738-17	**SB03-18-19-11112013**					
Bromomethane		232	J B	466	ug/Kg	8260B
Isopropylbenzene		93.3	J	233	ug/Kg	8260B
N-Propylbenzene		133	J	233	ug/Kg	8260B
1,3,5-Trimethylbenzene		101	J	233	ug/Kg	8260B
1,2,4-Trimethylbenzene		528		233	ug/Kg	8260B
sec-Butylbenzene		1050		233	ug/Kg	8260B
n-Butylbenzene		313		233	ug/Kg	8260B
Naphthalene		991	B	466	ug/Kg	8260B
Percent Moisture		18		1.0	%	Moisture
Percent Solids		82		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-18	**SB03-24-25-11112013**					
Methylene Chloride		1.85	J B	7.88	ug/Kg	8260B
Benzene		2.48	J	3.94	ug/Kg	8260B
Toluene		2.76	J	3.94	ug/Kg	8260B
sec-Butylbenzene		1.04	J	3.94	ug/Kg	8260B
Acetone		52.9	*	7.88	ug/Kg	8260B
Percent Moisture		11		1.0	%	Moisture
Percent Solids		89		1.0	%	Moisture
600-82738-19	**TB02-11112013**					
Benzene		0.109	J	1.00	ug/L	8260B
Naphthalene		0.652	J B	2.00	ug/L	8260B
600-82738-20	**SB04-2-3-11122013**					
Benzene		0.676	J	4.66	ug/Kg	8260B
Acetone		15.8	*	9.32	ug/Kg	8260B
Percent Moisture		9.9		1.0	%	Moisture
Percent Solids		90		1.0	%	Moisture
600-82738-21	**SB04-5-6-11122013**					
Methylene Chloride		2.93	J B	10.1	ug/Kg	8260B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture
600-82738-22	**SB04-15-16-11122013**					
Methylene Chloride		4.00	J B	9.14	ug/Kg	8260B
Benzene		3.38	J	4.57	ug/Kg	8260B
Toluene		3.50	J	4.57	ug/Kg	8260B
Acetone		36.8		9.14	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-23	**SB04-20-21-11122013**					
Methylene Chloride		4.54	J B	9.52	ug/Kg	8260B
Benzene		4.20	J	4.76	ug/Kg	8260B
Toluene		4.21	J	4.76	ug/Kg	8260B
Tetrachloroethene		1.80	J	4.76	ug/Kg	8260B
m-Xylene & p-Xylene		2.08	J	9.52	ug/Kg	8260B
Xylenes, Total		2.08	J	4.76	ug/Kg	8260B
1,2,4-Trimethylbenzene		1.18	J	4.76	ug/Kg	8260B
Acetone		45.3		9.52	ug/Kg	8260B
Percent Moisture		19		1.0	%	Moisture
Percent Solids		81		1.0	%	Moisture
600-82738-24	**FD04-20-21-11122013**					
Methylene Chloride		5.29	J B	9.78	ug/Kg	8260B
Benzene		3.80	J	4.89	ug/Kg	8260B
Toluene		3.65	J	4.89	ug/Kg	8260B
Tetrachloroethene		1.30	J	4.89	ug/Kg	8260B
m-Xylene & p-Xylene		1.50	J	9.78	ug/Kg	8260B
Xylenes, Total		1.50	J	4.89	ug/Kg	8260B
1,2,4-Trimethylbenzene		0.901	J	4.89	ug/Kg	8260B
Acetone		52.9		9.78	ug/Kg	8260B
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
600-82738-25	**SB04-29-30-11122013**					
Methylene Chloride		3.48	J B	8.48	ug/Kg	8260B
Acetone		7.64	J	8.48	ug/Kg	8260B
Percent Moisture		17		1.0	%	Moisture
Percent Solids		83		1.0	%	Moisture
600-82738-26	**SB05-2-3-11122013**					
Methylene Chloride		3.90	J B	9.96	ug/Kg	8260B
Acetone		7.85	J	9.96	ug/Kg	8260B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture
600-82738-27	**SB05-5-6-11122013**					
Naphthalene		2.53	J B	10.5	ug/Kg	8260B
Acetone		45.5		10.5	ug/Kg	8260B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-28	**SB05-11-12-11122013**					
Benzene		5.00		4.47	ug/Kg	8260B
Toluene		4.61		4.47	ug/Kg	8260B
Ethylbenzene		1.20	J	4.47	ug/Kg	8260B
m-Xylene & p-Xylene		2.28	J	8.93	ug/Kg	8260B
Xylenes, Total		2.28	J	4.47	ug/Kg	8260B
1,2,4-Trimethylbenzene		0.961	J	4.47	ug/Kg	8260B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture
600-82738-29	**SB05-18-19-11122013**					
Acetone		19.9		10.2	ug/Kg	8260B
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
600-82738-30	**SB05-25-26-11122013**					
2-Butanone (MEK)		7.44	J	10.7	ug/Kg	8260B
Benzene		1.73	J	5.34	ug/Kg	8260B
Toluene		1.65	J	5.34	ug/Kg	8260B
Naphthalene		2.55	J B	10.7	ug/Kg	8260B
Acetone		126		10.7	ug/Kg	8260B
Percent Moisture		25		1.0	%	Moisture
Percent Solids		75		1.0	%	Moisture
600-82738-32	**SB06-2-3-11122013**					
Acetone		19.2		10.5	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture
600-82738-33	**SB06-5-6-11122013**					
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture
600-82738-34	**SB06-11-12-11122013**					
Benzene		1.60	J	5.25	ug/Kg	8260B
Acetone		12.1		10.5	ug/Kg	8260B
Percent Moisture		20		1.0	%	Moisture
Percent Solids		80		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-35	**SB06-16-17-11122013**					
Benzene		2.27	J	4.99	ug/Kg	8260B
Toluene		2.41	J	4.99	ug/Kg	8260B
m-Xylene & p-Xylene		1.65	J	9.98	ug/Kg	8260B
Xylenes, Total		1.65	J	4.99	ug/Kg	8260B
1,2,4-Trimethylbenzene		1.10	J	4.99	ug/Kg	8260B
Acetone		50.9		9.98	ug/Kg	8260B
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
600-82738-36	**SB06-21-22-11122013**					
2-Butanone (MEK)		4.12	J	8.93	ug/Kg	8260B
Benzene		1.76	J	4.46	ug/Kg	8260B
Toluene		1.75	J	4.46	ug/Kg	8260B
Acetone		37.7		8.93	ug/Kg	8260B
Percent Moisture		20		1.0	%	Moisture
Percent Solids		80		1.0	%	Moisture
600-82738-37	**FD06-21-22-11122013**					
2-Butanone (MEK)		5.26	J	9.91	ug/Kg	8260B
Benzene		1.43	J	4.96	ug/Kg	8260B
Toluene		1.38	J	4.96	ug/Kg	8260B
Acetone		49.7		9.91	ug/Kg	8260B
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture
600-82738-38	**TB03-11122013**					
Naphthalene		0.604	J B	2.00	ug/L	8260B
600-82738-39	**SB07-2-3-11122013**					
Acetone		50.5		9.36	ug/Kg	8260B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture
600-82738-40	**SB07-5-6-11122013**					
Naphthalene		2.18	J B	8.33	ug/Kg	8260B
Acetone		38.8		8.33	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-41	**SB07-14-15-11122013**					
2-Butanone (MEK)		3.80	J	8.53	ug/Kg	8260B
Benzene		0.554	J	4.26	ug/Kg	8260B
Naphthalene		2.95	J B	8.53	ug/Kg	8260B
Acetone		60.3		8.53	ug/Kg	8260B
Percent Moisture		17		1.0	%	Moisture
Percent Solids		83		1.0	%	Moisture
600-82738-42	**SB07-20-21-11122013**					
Bromomethane		375	J B	471	ug/Kg	8260B
Benzene		164	J	235	ug/Kg	8260B
2-Chloroethyl vinyl ether		751	*	471	ug/Kg	8260B
Toluene		2120		235	ug/Kg	8260B
Tetrachloroethene		512		235	ug/Kg	8260B
Ethylbenzene		12400		4710	ug/Kg	8260B
m-Xylene & p-Xylene		49500		9420	ug/Kg	8260B
Xylenes, Total		152000		4710	ug/Kg	8260B
o-Xylene		102000		4710	ug/Kg	8260B
Isopropylbenzene		21500		4710	ug/Kg	8260B
N-Propylbenzene		56600		4710	ug/Kg	8260B
1,3,5-Trimethylbenzene		62400		4710	ug/Kg	8260B
4-Isopropyltoluene		2170		235	ug/Kg	8260B
1,2,4-Trimethylbenzene		244000	E	4710	ug/Kg	8260B
sec-Butylbenzene		4350		235	ug/Kg	8260B
n-Butylbenzene		9680		4710	ug/Kg	8260B
Naphthalene		16700		9420	ug/Kg	8260B
Carbon disulfide		1790		471	ug/Kg	8260B
Percent Moisture		30		1.0	%	Moisture
Percent Solids		70		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-43	**SB07-29-30-11122013**					
Ethylbenzene		1.98	J	5.35	ug/Kg	8260B
m-Xylene & p-Xylene		5.25	J	10.7	ug/Kg	8260B
Xylenes, Total		10.3		5.35	ug/Kg	8260B
o-Xylene		5.00	J	5.35	ug/Kg	8260B
Isopropylbenzene		2.97	J	5.35	ug/Kg	8260B
N-Propylbenzene		8.34		5.35	ug/Kg	8260B
1,3,5-Trimethylbenzene		11.1		5.35	ug/Kg	8260B
1,2,4-Trimethylbenzene		43.1		5.35	ug/Kg	8260B
sec-Butylbenzene		0.990	J	5.35	ug/Kg	8260B
n-Butylbenzene		2.81	J	5.35	ug/Kg	8260B
Naphthalene		27.2	B	10.7	ug/Kg	8260B
Carbon disulfide		3.72	J	10.7	ug/Kg	8260B
Acetone		84.6		10.7	ug/Kg	8260B
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture
600-82738-45	**SB08-2-3-11132013**					
Acetone		93.8		12.1	ug/Kg	8260B
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture
600-82738-46	**SB08-5-6-11132013**					
Acetone		22.3		11.5	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture
600-82738-47	**FD08-5-6-11132013**					
Acetone		57.4		10.9	ug/Kg	8260B
Percent Moisture		14		1.0	%	Moisture
Percent Solids		86		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-48	**SB08-16-17-11132013**					
Bromomethane		802	J B	3730	ug/Kg	8260B
Tetrachloroethene		705	J	1870	ug/Kg	8260B
Ethylbenzene		6210		1870	ug/Kg	8260B
m-Xylene & p-Xylene		58100		3730	ug/Kg	8260B
Xylenes, Total		147000		1870	ug/Kg	8260B
o-Xylene		89000	E	1870	ug/Kg	8260B
Styrene		2700		1870	ug/Kg	8260B
Isopropylbenzene		15900		1870	ug/Kg	8260B
N-Propylbenzene		41100		1870	ug/Kg	8260B
1,3,5-Trimethylbenzene		66200		7460	ug/Kg	8260B
4-Isopropyltoluene		3230		1870	ug/Kg	8260B
1,2,4-Trimethylbenzene		246000		7460	ug/Kg	8260B
sec-Butylbenzene		6300		1870	ug/Kg	8260B
n-Butylbenzene		19400		1870	ug/Kg	8260B
Naphthalene		29600	B	3730	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
600-82738-49	**SB08-19-20-11132013**					
Bromomethane		2600	J B	8730	ug/Kg	8260B
Ethylbenzene		18800		4360	ug/Kg	8260B
m-Xylene & p-Xylene		76800		8730	ug/Kg	8260B
Xylenes, Total		197000		4360	ug/Kg	8260B
o-Xylene		120000		4360	ug/Kg	8260B
Isopropylbenzene		24400		4360	ug/Kg	8260B
N-Propylbenzene		64600		4360	ug/Kg	8260B
1,3,5-Trimethylbenzene		66800		4360	ug/Kg	8260B
4-Isopropyltoluene		2610	J	4360	ug/Kg	8260B
1,2,4-Trimethylbenzene		258000	E	4360	ug/Kg	8260B
sec-Butylbenzene		5150		4360	ug/Kg	8260B
n-Butylbenzene		17300		4360	ug/Kg	8260B
Naphthalene		79600	B	8730	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-50	**SB08-24-25-11132013**					
2-Butanone (MEK)		13.5		9.10	ug/Kg	8260B
Benzene		1.37	J	4.55	ug/Kg	8260B
1,1-Dichloroethane		0.897	J	4.55	ug/Kg	8260B
Toluene		1.43	J	4.55	ug/Kg	8260B
m-Xylene & p-Xylene		1.38	J	9.10	ug/Kg	8260B
Xylenes, Total		1.38	J	4.55	ug/Kg	8260B
1,2,4-Trimethylbenzene		1.58	J	4.55	ug/Kg	8260B
Naphthalene		2.60	J B	9.10	ug/Kg	8260B
Carbon disulfide		1.07	J	9.10	ug/Kg	8260B
Acetone		154		9.10	ug/Kg	8260B
Percent Moisture		20		1.0	%	Moisture
Percent Solids		80		1.0	%	Moisture
600-82738-51	**SB09-2-3-11132013**					
Acetone		62.0		9.64	ug/Kg	8260B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
600-82738-52	**SB09-5-6-11132013**					
Acetone		15.4		10.1	ug/Kg	8260B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture
600-82738-53	**SB09-16-17-11132013**					
Bromomethane		1690	J B	7610	ug/Kg	8260B
Ethylbenzene		36900		3810	ug/Kg	8260B
m-Xylene & p-Xylene		151000		15200	ug/Kg	8260B
Xylenes, Total		163000		7610	ug/Kg	8260B
o-Xylene		11500		7610	ug/Kg	8260B
Isopropylbenzene		49000		3810	ug/Kg	8260B
N-Propylbenzene		131000		3810	ug/Kg	8260B
1,3,5-Trimethylbenzene		141000		3810	ug/Kg	8260B
4-Isopropyltoluene		4700		3810	ug/Kg	8260B
1,2,4-Trimethylbenzene		513000	E	7610	ug/Kg	8260B
sec-Butylbenzene		9650		3810	ug/Kg	8260B
n-Butylbenzene		30800		3810	ug/Kg	8260B
Naphthalene		54300	B	7610	ug/Kg	8260B
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-54	**SB09-18-19-11132013**					
Bromomethane		2120	J B	8450	ug/Kg	8260B
Ethylbenzene		20800		4220	ug/Kg	8260B
m-Xylene & p-Xylene		75100		8450	ug/Kg	8260B
Xylenes, Total		81400		4220	ug/Kg	8260B
o-Xylene		6270		4220	ug/Kg	8260B
Isopropylbenzene		29700		4220	ug/Kg	8260B
N-Propylbenzene		80600		4220	ug/Kg	8260B
1,3,5-Trimethylbenzene		83400		4220	ug/Kg	8260B
tert-Butylbenzene		47500		4220	ug/Kg	8260B
4-Isopropyltoluene		3000	J	4220	ug/Kg	8260B
1,2,4-Trimethylbenzene		291000	E	4220	ug/Kg	8260B
sec-Butylbenzene		6210		4220	ug/Kg	8260B
n-Butylbenzene		19100		4220	ug/Kg	8260B
Naphthalene		29000	B	8450	ug/Kg	8260B
Percent Moisture		21		1.0	%	Moisture
Percent Solids		79		1.0	%	Moisture
600-82738-55	**SB09-20-21-11132013**					
Bromomethane		873	J B	3520	ug/Kg	8260B
Ethylbenzene		14100		1760	ug/Kg	8260B
m-Xylene & p-Xylene		19500		3520	ug/Kg	8260B
Xylenes, Total		20400		1760	ug/Kg	8260B
o-Xylene		852	J	1760	ug/Kg	8260B
Isopropylbenzene		20300		1760	ug/Kg	8260B
N-Propylbenzene		55500		1760	ug/Kg	8260B
1,3,5-Trimethylbenzene		29800		1760	ug/Kg	8260B
4-Isopropyltoluene		1900		1760	ug/Kg	8260B
1,2,4-Trimethylbenzene		184000	E	1760	ug/Kg	8260B
sec-Butylbenzene		3970		1760	ug/Kg	8260B
n-Butylbenzene		11800		1760	ug/Kg	8260B
Naphthalene		20900	B	3520	ug/Kg	8260B
Percent Moisture		25		1.0	%	Moisture
Percent Solids		75		1.0	%	Moisture
600-82738-56	**SB10-2-3-11132013**					
2-Butanone (MEK)		21.1		11.1	ug/Kg	8260B
Benzene		1.77	J	5.55	ug/Kg	8260B
Toluene		1.81	J	5.55	ug/Kg	8260B
Naphthalene		2.73	J B	11.1	ug/Kg	8260B
Acetone		128		11.1	ug/Kg	8260B
Percent Moisture		8.1		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-82738-57	**SB10-5-6-11132013**					
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture
600-82738-58	**SB10-15-16-11132013**					
Naphthalene		3.82	J B	15.3	ug/Kg	8260B
Acetone		12.1	J	15.3	ug/Kg	8260B
Percent Moisture		23		1.0	%	Moisture
Percent Solids		77		1.0	%	Moisture
600-82738-59	**SB10-20-21-11132013**					
Benzene		2.18	J	5.08	ug/Kg	8260B
1,2-Dichloropropane		2.15	J	5.08	ug/Kg	8260B
Toluene		2.45	J	5.08	ug/Kg	8260B
Naphthalene		2.88	J B	10.2	ug/Kg	8260B
Acetone		39.3		10.2	ug/Kg	8260B
Percent Moisture		18		1.0	%	Moisture
Percent Solids		82		1.0	%	Moisture
600-82738-60	**SB10-29-30-11132013**					
Benzene		2.14	J	4.84	ug/Kg	8260B
Toluene		2.48	J	4.84	ug/Kg	8260B
Naphthalene		7.49	J B	9.69	ug/Kg	8260B
Acetone		10.6		9.69	ug/Kg	8260B
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture
600-82738-61	**FD10-29-30-11132013**					
Benzene		3.30	J	5.05	ug/Kg	8260B
Toluene		3.86	J	5.05	ug/Kg	8260B
Tetrachloroethene		0.846	J	5.05	ug/Kg	8260B
m-Xylene & p-Xylene		2.50	J	10.1	ug/Kg	8260B
Xylenes, Total		2.50	J	5.05	ug/Kg	8260B
1,2,4-Trimethylbenzene		1.40	J	5.05	ug/Kg	8260B
Naphthalene		6.02	J B	10.1	ug/Kg	8260B
Acetone		48.6		10.1	ug/Kg	8260B
Percent Moisture		24		1.0	%	Moisture
Percent Solids		76		1.0	%	Moisture

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Closed System Purge and Trap	TAL HOU		SW846 5035
Percent Moisture	TAL HOU	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B

Lab References:

TAL HOU = TestAmerica Houston

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method	Analyst	Analyst ID
SW846 8260B	Shen, Wei	WS1
SW846 8260B	Teng, Danica	DT1
SW846 8260B	Vela, Kenneth L	KLV
EPA Moisture	Stephney, Amy Y	AYS

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-2-3-11112013**

Lab Sample ID: 600-82738-2 Date Sampled: 11/11/2013 1230
Client Matrix: Solid % Moisture: 15.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32405.D
Dilution:	0.91			Initial Weight/Volume:	5.49 g
Analysis Date:	11/20/2013 1311			Final Weight/Volume:	5.49 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.66	U	1.66	5.38
Chloromethane		1.79	U	1.79	10.8
Vinyl chloride		0.969	U	0.969	10.8
Bromomethane		0.894	U	0.894	10.8
Chloroethane		1.51	U	1.51	10.8
Trichlorofluoromethane		0.711	U	0.711	10.8
1,1-Dichloroethene		1.31	U	1.31	5.38
trans-1,2-Dichloroethene		1.23	U	1.23	5.38
Methyl tert-butyl ether		1.97	U	1.97	5.38
Methylene Chloride		2.77	J B	2.36	10.8
cis-1,2-Dichloroethene		0.894	U	0.894	5.38
2-Butanone (MEK)		2.05	U	2.05	10.8
Bromochloromethane		1.92	U	1.92	5.38
Carbon tetrachloride		1.22	U	1.22	5.38
Benzene		0.679	U	0.679	5.38
1,2-Dichloroethane		0.969	U	0.969	5.38
Trichloroethene		1.51	U	1.51	5.38
1,1,1-Trichloroethane		0.797	U	0.797	5.38
1,1-Dichloroethane		0.937	U	0.937	5.38
1,2-Dichloropropane		0.765	U	0.765	5.38
2,2-Dichloropropane		1.96	U	1.96	5.38
Dibromomethane		0.808	U	0.808	5.38
Chloroform		0.711	U	0.711	5.38
Bromodichloromethane		0.711	U	0.711	5.38
2-Chloroethyl vinyl ether		1.06	U *	1.06	10.8
1,1-Dichloropropene		0.700	U	0.700	5.38
cis-1,3-Dichloropropene		0.582	U	0.582	5.38
Toluene		1.49	U	1.49	5.38
trans-1,3-Dichloropropene		0.625	U	0.625	5.38
1,1,2-Trichloroethane		0.786	U	0.786	43.1
Tetrachloroethene		0.765	U	0.765	5.38
1,3-Dichloropropane		0.679	U	0.679	5.38
Chlorodibromomethane		1.01	U	1.01	5.38
1,2-Dibromoethane		1.10	U	1.10	5.38
Chlorobenzene		1.03	U	1.03	5.38
1,1,1,2-Tetrachloroethane		1.51	U	1.51	5.38
Ethylbenzene		1.10	U	1.10	5.38
m-Xylene & p-Xylene		1.64	U	1.64	10.8
Xylenes, Total		1.22	U	1.22	5.38
o-Xylene		1.22	U	1.22	5.38
Styrene		0.765	U	0.765	5.38
Bromoform		1.48	U	1.48	5.38
Isopropylbenzene		0.991	U	0.991	5.38
Bromobenzene		1.07	U	1.07	5.38
1,2,3-Trichloropropane		1.41	U	1.41	5.38
1,1,2,2-Tetrachloroethane		0.937	U	0.937	5.38

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-2-3-11112013**

Lab Sample ID: 600-82738-2 Date Sampled: 11/11/2013 1230
Client Matrix: Solid % Moisture: 15.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32405.D
Dilution:	0.91			Initial Weight/Volume:	5.49 g
Analysis Date:	11/20/2013 1311			Final Weight/Volume:	5.49 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.02	U	1.02	5.38
2-Chlorotoluene		0.732	U	0.732	5.38
4-Chlorotoluene		0.894	U	0.894	5.38
1,3,5-Trimethylbenzene		1.72	U	1.72	5.38
tert-Butylbenzene		1.02	U	1.02	5.38
4-Isopropyltoluene		1.10	U	1.10	5.38
1,2,4-Trimethylbenzene		0.991	U	0.991	5.38
sec-Butylbenzene		0.754	U	0.754	5.38
1,3-Dichlorobenzene		0.765	U	0.765	5.38
1,4-Dichlorobenzene		0.711	U	0.711	5.38
1,2-Dichlorobenzene		0.862	U	0.862	5.38
n-Butylbenzene		0.625	U	0.625	5.38
1,2-Dibromo-3-Chloropropane		2.63	U	2.63	5.38
1,2,4-Trichlorobenzene		2.12	U	2.12	5.38
Hexachlorobutadiene		1.22	U	1.22	5.38
Naphthalene		2.55	U	2.55	10.8
1,2,3-Trichlorobenzene		0.668	U	0.668	5.38
Carbon disulfide		0.592	U	0.592	10.8
Acetone		4.14	J *	1.79	10.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	77		50 - 130
Dibromofluoromethane	84		68 - 140
4-Bromofluorobenzene	76		57 - 140
1,2-Dichloroethane-d4 (Surr)	101		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-5-6-11112013**

Lab Sample ID: 600-82738-3 Date Sampled: 11/11/2013 1240
Client Matrix: Solid % Moisture: 11.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32408.D
Dilution:	0.84			Initial Weight/Volume:	5.95 g
Analysis Date:	11/20/2013 1437			Final Weight/Volume:	5.95 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.46	U	1.46	4.74
Chloromethane		1.57	U	1.57	9.48
Vinyl chloride		0.853	U	0.853	9.48
Bromomethane		0.787	U	0.787	9.48
Chloroethane		1.33	U	1.33	9.48
Trichlorofluoromethane		0.625	U	0.625	9.48
1,1-Dichloroethene		1.16	U	1.16	4.74
trans-1,2-Dichloroethene		1.08	U	1.08	4.74
Methyl tert-butyl ether		1.73	U	1.73	4.74
Methylene Chloride		2.08	U	2.08	9.48
cis-1,2-Dichloroethene		0.787	U	0.787	4.74
2-Butanone (MEK)		1.80	U	1.80	9.48
Bromochloromethane		1.69	U	1.69	4.74
Carbon tetrachloride		1.07	U	1.07	4.74
Benzene		2.19	J	0.597	4.74
1,2-Dichloroethane		0.853	U	0.853	4.74
Trichloroethene		1.33	U	1.33	4.74
1,1,1-Trichloroethane		0.701	U	0.701	4.74
1,1-Dichloroethane		0.825	U	0.825	4.74
1,2-Dichloropropane		0.673	U	0.673	4.74
2,2-Dichloropropane		1.72	U	1.72	4.74
Dibromomethane		0.711	U	0.711	4.74
Chloroform		0.625	U	0.625	4.74
Bromodichloromethane		0.625	U	0.625	4.74
2-Chloroethyl vinyl ether		0.929	U *	0.929	9.48
1,1-Dichloropropene		0.616	U	0.616	4.74
cis-1,3-Dichloropropene		0.512	U	0.512	4.74
Toluene		2.89	J	1.31	4.74
trans-1,3-Dichloropropene		0.550	U	0.550	4.74
1,1,2-Trichloroethane		0.692	U	0.692	37.9
Tetrachloroethene		0.673	U	0.673	4.74
1,3-Dichloropropane		0.597	U	0.597	4.74
Chlorodibromomethane		0.891	U	0.891	4.74
1,2-Dibromoethane		0.967	U	0.967	4.74
Chlorobenzene		0.910	U	0.910	4.74
1,1,1,2-Tetrachloroethane		1.33	U	1.33	4.74
Ethylbenzene		0.967	U	0.967	4.74
m-Xylene & p-Xylene		1.44	U	1.44	9.48
Xylenes, Total		1.07	U	1.07	4.74
o-Xylene		1.07	U	1.07	4.74
Styrene		0.673	U	0.673	4.74
Bromoform		1.30	U	1.30	4.74
Isopropylbenzene		0.872	U	0.872	4.74
Bromobenzene		0.938	U	0.938	4.74
1,2,3-Trichloropropane		1.24	U	1.24	4.74
1,1,2,2-Tetrachloroethane		0.825	U	0.825	4.74

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-5-6-11112013**

Lab Sample ID: 600-82738-3 Date Sampled: 11/11/2013 1240
Client Matrix: Solid % Moisture: 11.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32408.D
Dilution:	0.84			Initial Weight/Volume:	5.95 g
Analysis Date:	11/20/2013 1437			Final Weight/Volume:	5.95 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.900	U	0.900	4.74
2-Chlorotoluene		0.644	U	0.644	4.74
4-Chlorotoluene		0.787	U	0.787	4.74
1,3,5-Trimethylbenzene		1.52	U	1.52	4.74
tert-Butylbenzene		0.900	U	0.900	4.74
4-Isopropyltoluene		0.967	U	0.967	4.74
1,2,4-Trimethylbenzene		0.872	U	0.872	4.74
sec-Butylbenzene		0.663	U	0.663	4.74
1,3-Dichlorobenzene		0.673	U	0.673	4.74
1,4-Dichlorobenzene		0.625	U	0.625	4.74
1,2-Dichlorobenzene		0.758	U	0.758	4.74
n-Butylbenzene		0.550	U	0.550	4.74
1,2-Dibromo-3-Chloropropane		2.31	U	2.31	4.74
1,2,4-Trichlorobenzene		1.87	U	1.87	4.74
Hexachlorobutadiene		1.07	U	1.07	4.74
Naphthalene		2.25	U	2.25	9.48
1,2,3-Trichlorobenzene		0.588	U	0.588	4.74
Carbon disulfide		0.521	U	0.521	9.48
Acetone		48.4	*	1.57	9.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	92		68 - 140
4-Bromofluorobenzene	77		57 - 140
1,2-Dichloroethane-d4 (Surr)	102		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-15-16-11112013**

Lab Sample ID: 600-82738-4 Date Sampled: 11/11/2013 1325
Client Matrix: Solid % Moisture: 14.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32409.D
Dilution:	0.75			Initial Weight/Volume:	6.69 g
Analysis Date:	11/20/2013 1506			Final Weight/Volume:	6.69 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.35	U	1.35	4.38
Chloromethane		1.45	U	1.45	8.76
Vinyl chloride		0.789	U	0.789	8.76
Bromomethane		0.727	U	0.727	8.76
Chloroethane		1.23	U	1.23	8.76
Trichlorofluoromethane		0.578	U	0.578	8.76
1,1-Dichloroethene		1.07	U	1.07	4.38
trans-1,2-Dichloroethene		0.999	U	0.999	4.38
Methyl tert-butyl ether		1.60	U	1.60	4.38
Methylene Chloride		2.47	J B	1.92	8.76
cis-1,2-Dichloroethene		0.727	U	0.727	4.38
2-Butanone (MEK)		1.66	U	1.66	8.76
Bromochloromethane		1.56	U	1.56	4.38
Carbon tetrachloride		0.990	U	0.990	4.38
Benzene		0.552	U	0.552	4.38
1,2-Dichloroethane		0.789	U	0.789	4.38
Trichloroethene		1.23	U	1.23	4.38
1,1,1-Trichloroethane		0.648	U	0.648	4.38
1,1-Dichloroethane		0.762	U	0.762	4.38
1,2-Dichloropropane		0.622	U	0.622	4.38
2,2-Dichloropropane		1.59	U	1.59	4.38
Dibromomethane		0.657	U	0.657	4.38
Chloroform		0.578	U	0.578	4.38
Bromodichloromethane		0.578	U	0.578	4.38
2-Chloroethyl vinyl ether		0.859	U *	0.859	8.76
1,1-Dichloropropene		0.569	U	0.569	4.38
cis-1,3-Dichloropropene		0.473	U	0.473	4.38
Toluene		1.21	U	1.21	4.38
trans-1,3-Dichloropropene		0.508	U	0.508	4.38
1,1,2-Trichloroethane		0.640	U	0.640	35.0
Tetrachloroethene		0.622	U	0.622	4.38
1,3-Dichloropropane		0.552	U	0.552	4.38
Chlorodibromomethane		0.824	U	0.824	4.38
1,2-Dibromoethane		0.894	U	0.894	4.38
Chlorobenzene		0.841	U	0.841	4.38
1,1,1,2-Tetrachloroethane		1.23	U	1.23	4.38
Ethylbenzene		0.894	U	0.894	4.38
m-Xylene & p-Xylene		1.33	U	1.33	8.76
Xylenes, Total		0.990	U	0.990	4.38
o-Xylene		0.990	U	0.990	4.38
Styrene		0.622	U	0.622	4.38
Bromoform		1.20	U	1.20	4.38
Isopropylbenzene		0.806	U	0.806	4.38
Bromobenzene		0.867	U	0.867	4.38
1,2,3-Trichloropropane		1.15	U	1.15	4.38
1,1,2,2-Tetrachloroethane		0.762	U	0.762	4.38

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB01-15-16-11112013**

Lab Sample ID: 600-82738-4
Client Matrix: Solid
% Moisture: 14.4

Date Sampled: 11/11/2013 1325
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32409.D
Dilution:	0.75			Initial Weight/Volume:	6.69 g
Analysis Date:	11/20/2013 1506			Final Weight/Volume:	6.69 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.832	U	0.832	4.38
2-Chlorotoluene		0.596	U	0.596	4.38
4-Chlorotoluene		0.727	U	0.727	4.38
1,3,5-Trimethylbenzene		1.40	U	1.40	4.38
tert-Butylbenzene		0.832	U	0.832	4.38
4-Isopropyltoluene		0.894	U	0.894	4.38
1,2,4-Trimethylbenzene		0.806	U	0.806	4.38
sec-Butylbenzene		0.613	U	0.613	4.38
1,3-Dichlorobenzene		0.622	U	0.622	4.38
1,4-Dichlorobenzene		0.578	U	0.578	4.38
1,2-Dichlorobenzene		0.701	U	0.701	4.38
n-Butylbenzene		0.508	U	0.508	4.38
1,2-Dibromo-3-Chloropropane		2.14	U	2.14	4.38
1,2,4-Trichlorobenzene		1.73	U	1.73	4.38
Hexachlorobutadiene		0.990	U	0.990	4.38
Naphthalene		2.08	U	2.08	8.76
1,2,3-Trichlorobenzene		0.543	U	0.543	4.38
Carbon disulfide		0.482	U	0.482	8.76
Acetone		1.45	U *	1.45	8.76

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	85		68 - 140
4-Bromofluorobenzene	78		57 - 140
1,2-Dichloroethane-d4 (Surr)	101		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB01-20-21-11112013**

Lab Sample ID: 600-82738-5
Client Matrix: Solid

% Moisture: 20.5

Date Sampled: 11/11/2013 1330
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32411.D
Dilution:	0.83			Initial Weight/Volume:	6.00 g
Analysis Date:	11/20/2013 1604			Final Weight/Volume:	6.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.61	U	1.61	5.22
Chloromethane		1.73	U	1.73	10.4
Vinyl chloride		0.940	U	0.940	10.4
Bromomethane		0.867	U	0.867	10.4
Chloroethane		1.46	U	1.46	10.4
Trichlorofluoromethane		0.689	U	0.689	10.4
1,1-Dichloroethene		1.27	U	1.27	5.22
trans-1,2-Dichloroethene		1.19	U	1.19	5.22
Methyl tert-butyl ether		1.91	U	1.91	5.22
Methylene Chloride		2.29	U	2.29	10.4
cis-1,2-Dichloroethene		0.867	U	0.867	5.22
2-Butanone (MEK)		1.98	U	1.98	10.4
Bromochloromethane		1.86	U	1.86	5.22
Carbon tetrachloride		1.18	U	1.18	5.22
Benzene		1.66	J	0.658	5.22
1,2-Dichloroethane		0.940	U	0.940	5.22
Trichloroethene		1.46	U	1.46	5.22
1,1,1-Trichloroethane		0.773	U	0.773	5.22
1,1-Dichloroethane		0.909	U	0.909	5.22
1,2-Dichloropropane		0.741	U	0.741	5.22
2,2-Dichloropropane		1.90	U	1.90	5.22
Dibromomethane		0.783	U	0.783	5.22
Chloroform		0.689	U	0.689	5.22
Bromodichloromethane		0.689	U	0.689	5.22
2-Chloroethyl vinyl ether		1.02	U *	1.02	10.4
1,1-Dichloropropene		0.679	U	0.679	5.22
cis-1,3-Dichloropropene		0.564	U	0.564	5.22
Toluene		1.68	J	1.44	5.22
trans-1,3-Dichloropropene		0.606	U	0.606	5.22
1,1,2-Trichloroethane		0.762	U	0.762	41.8
Tetrachloroethene		0.741	U	0.741	5.22
1,3-Dichloropropane		0.658	U	0.658	5.22
Chlorodibromomethane		0.982	U	0.982	5.22
1,2-Dibromoethane		1.07	U	1.07	5.22
Chlorobenzene		1.00	U	1.00	5.22
1,1,1,2-Tetrachloroethane		1.46	U	1.46	5.22
Ethylbenzene		1.07	U	1.07	5.22
m-Xylene & p-Xylene		1.59	U	1.59	10.4
Xylenes, Total		1.18	U	1.18	5.22
o-Xylene		1.18	U	1.18	5.22
Styrene		0.741	U	0.741	5.22
Bromoform		1.43	U	1.43	5.22
Isopropylbenzene		0.961	U	0.961	5.22
Bromobenzene		1.03	U	1.03	5.22
1,2,3-Trichloropropane		1.37	U	1.37	5.22
1,1,2,2-Tetrachloroethane		0.909	U	0.909	5.22

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB01-20-21-11112013**

Lab Sample ID: 600-82738-5
Client Matrix: Solid
% Moisture: 20.5

Date Sampled: 11/11/2013 1330
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32411.D
Dilution:	0.83			Initial Weight/Volume:	6.00 g
Analysis Date:	11/20/2013 1604			Final Weight/Volume:	6.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.992	U	0.992	5.22
2-Chlorotoluene		0.710	U	0.710	5.22
4-Chlorotoluene		0.867	U	0.867	5.22
1,3,5-Trimethylbenzene		1.67	U	1.67	5.22
tert-Butylbenzene		0.992	U	0.992	5.22
4-Isopropyltoluene		1.07	U	1.07	5.22
1,2,4-Trimethylbenzene		0.961	U	0.961	5.22
sec-Butylbenzene		0.731	U	0.731	5.22
1,3-Dichlorobenzene		0.741	U	0.741	5.22
1,4-Dichlorobenzene		0.689	U	0.689	5.22
1,2-Dichlorobenzene		0.835	U	0.835	5.22
n-Butylbenzene		0.606	U	0.606	5.22
1,2-Dibromo-3-Chloropropane		2.55	U	2.55	5.22
1,2,4-Trichlorobenzene		2.06	U	2.06	5.22
Hexachlorobutadiene		1.18	U	1.18	5.22
Naphthalene		2.47	U	2.47	10.4
1,2,3-Trichlorobenzene		0.647	U	0.647	5.22
Carbon disulfide		0.574	U	0.574	10.4
Acetone		22.8	*	1.73	10.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	77		50 - 130
Dibromofluoromethane	84		68 - 140
4-Bromofluorobenzene	79		57 - 140
1,2-Dichloroethane-d4 (Surr)	98		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB01-24-25-11112013**

Lab Sample ID: 600-82738-6
Client Matrix: Solid

% Moisture: 21.4

Date Sampled: 11/11/2013 1335
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32412.D
Dilution:	0.7			Initial Weight/Volume:	7.14 g
Analysis Date:	11/20/2013 1633			Final Weight/Volume:	7.14 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.37	U	1.37	4.45
Chloromethane		1.48	U	1.48	8.91
Vinyl chloride		0.802	U	0.802	8.91
Bromomethane		0.739	U	0.739	8.91
Chloroethane		1.25	U	1.25	8.91
Trichlorofluoromethane		0.588	U	0.588	8.91
1,1-Dichloroethene		1.09	U	1.09	4.45
trans-1,2-Dichloroethene		1.02	U	1.02	4.45
Methyl tert-butyl ether		1.63	U	1.63	4.45
Methylene Chloride		1.95	U	1.95	8.91
cis-1,2-Dichloroethene		0.739	U	0.739	4.45
2-Butanone (MEK)		1.69	U	1.69	8.91
Bromochloromethane		1.59	U	1.59	4.45
Carbon tetrachloride		1.01	U	1.01	4.45
Benzene		0.561	U	0.561	4.45
1,2-Dichloroethane		0.802	U	0.802	4.45
Trichloroethene		1.25	U	1.25	4.45
1,1,1-Trichloroethane		0.659	U	0.659	4.45
1,1-Dichloroethane		0.775	U	0.775	4.45
1,2-Dichloropropane		0.632	U	0.632	4.45
2,2-Dichloropropane		1.62	U	1.62	4.45
Dibromomethane		0.668	U	0.668	4.45
Chloroform		0.588	U	0.588	4.45
Bromodichloromethane		0.588	U	0.588	4.45
2-Chloroethyl vinyl ether		0.873	U *	0.873	8.91
1,1-Dichloropropene		0.579	U	0.579	4.45
cis-1,3-Dichloropropene		0.481	U	0.481	4.45
Toluene		1.23	U	1.23	4.45
trans-1,3-Dichloropropene		0.517	U	0.517	4.45
1,1,2-Trichloroethane		0.650	U	0.650	35.6
Tetrachloroethene		0.632	U	0.632	4.45
1,3-Dichloropropane		0.561	U	0.561	4.45
Chlorodibromomethane		0.837	U	0.837	4.45
1,2-Dibromoethane		0.909	U	0.909	4.45
Chlorobenzene		0.855	U	0.855	4.45
1,1,1,2-Tetrachloroethane		1.25	U	1.25	4.45
Ethylbenzene		0.909	U	0.909	4.45
m-Xylene & p-Xylene		1.35	U	1.35	8.91
Xylenes, Total		1.01	U	1.01	4.45
o-Xylene		1.01	U	1.01	4.45
Styrene		0.632	U	0.632	4.45
Bromoform		1.22	U	1.22	4.45
Isopropylbenzene		0.819	U	0.819	4.45
Bromobenzene		0.882	U	0.882	4.45
1,2,3-Trichloropropane		1.17	U	1.17	4.45
1,1,2,2-Tetrachloroethane		0.775	U	0.775	4.45

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB01-24-25-11112013**

Lab Sample ID: 600-82738-6 Date Sampled: 11/11/2013 1335
Client Matrix: Solid % Moisture: 21.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32412.D
Dilution:	0.7			Initial Weight/Volume:	7.14 g
Analysis Date:	11/20/2013 1633			Final Weight/Volume:	7.14 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.846	U	0.846	4.45
2-Chlorotoluene		0.606	U	0.606	4.45
4-Chlorotoluene		0.739	U	0.739	4.45
1,3,5-Trimethylbenzene		1.43	U	1.43	4.45
tert-Butylbenzene		0.846	U	0.846	4.45
4-Isopropyltoluene		0.909	U	0.909	4.45
1,2,4-Trimethylbenzene		0.819	U	0.819	4.45
sec-Butylbenzene		0.624	U	0.624	4.45
1,3-Dichlorobenzene		0.632	U	0.632	4.45
1,4-Dichlorobenzene		0.588	U	0.588	4.45
1,2-Dichlorobenzene		0.713	U	0.713	4.45
n-Butylbenzene		0.517	U	0.517	4.45
1,2-Dibromo-3-Chloropropane		2.17	U	2.17	4.45
1,2,4-Trichlorobenzene		1.75	U	1.75	4.45
Hexachlorobutadiene		1.01	U	1.01	4.45
Naphthalene		2.11	U	2.11	8.91
1,2,3-Trichlorobenzene		0.552	U	0.552	4.45
Carbon disulfide		0.490	U	0.490	8.91
Acetone		1.48	U *	1.48	8.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	82		50 - 130
Dibromofluoromethane	83		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	99		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-2-3-11112013**

Lab Sample ID: 600-82738-7 Date Sampled: 11/11/2013 1430
Client Matrix: Solid % Moisture: 14.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32413.D
Dilution:	0.99			Initial Weight/Volume:	5.07 g
Analysis Date:	11/20/2013 1701			Final Weight/Volume:	5.07 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.78	U	1.78	5.77
Chloromethane		1.91	U	1.91	11.5
Vinyl chloride		1.04	U	1.04	11.5
Bromomethane		0.957	U	0.957	11.5
Chloroethane		1.61	U	1.61	11.5
Trichlorofluoromethane		0.761	U	0.761	11.5
1,1-Dichloroethene		1.41	U	1.41	5.77
trans-1,2-Dichloroethene		1.31	U	1.31	5.77
Methyl tert-butyl ether		2.11	U	2.11	5.77
Methylene Chloride		2.89	J B	2.53	11.5
cis-1,2-Dichloroethene		0.957	U	0.957	5.77
2-Butanone (MEK)		2.19	U	2.19	11.5
Bromochloromethane		2.05	U	2.05	5.77
Carbon tetrachloride		1.30	U	1.30	5.77
Benzene		0.726	U	0.726	5.77
1,2-Dichloroethane		1.04	U	1.04	5.77
Trichloroethene		1.61	U	1.61	5.77
1,1,1-Trichloroethane		0.853	U	0.853	5.77
1,1-Dichloroethane		1.00	U	1.00	5.77
1,2-Dichloropropane		0.819	U	0.819	5.77
2,2-Dichloropropane		2.10	U	2.10	5.77
Dibromomethane		0.865	U	0.865	5.77
Chloroform		0.761	U	0.761	5.77
Bromodichloromethane		0.761	U	0.761	5.77
2-Chloroethyl vinyl ether		1.13	U *	1.13	11.5
1,1-Dichloropropene		0.749	U	0.749	5.77
cis-1,3-Dichloropropene		0.623	U	0.623	5.77
Toluene		1.59	U	1.59	5.77
trans-1,3-Dichloropropene		0.669	U	0.669	5.77
1,1,2-Trichloroethane		0.842	U	0.842	46.1
Tetrachloroethene		0.819	U	0.819	5.77
1,3-Dichloropropane		0.726	U	0.726	5.77
Chlorodibromomethane		1.08	U	1.08	5.77
1,2-Dibromoethane		1.18	U	1.18	5.77
Chlorobenzene		1.11	U	1.11	5.77
1,1,1,2-Tetrachloroethane		1.61	U	1.61	5.77
Ethylbenzene		1.18	U	1.18	5.77
m-Xylene & p-Xylene		1.75	U	1.75	11.5
Xylenes, Total		1.30	U	1.30	5.77
o-Xylene		1.30	U	1.30	5.77
Styrene		0.819	U	0.819	5.77
Bromoform		1.58	U	1.58	5.77
Isopropylbenzene		1.06	U	1.06	5.77
Bromobenzene		1.14	U	1.14	5.77
1,2,3-Trichloropropane		1.51	U	1.51	5.77
1,1,2,2-Tetrachloroethane		1.00	U	1.00	5.77

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-2-3-11112013**

Lab Sample ID: 600-82738-7 Date Sampled: 11/11/2013 1430
Client Matrix: Solid % Moisture: 14.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32413.D
Dilution:	0.99			Initial Weight/Volume:	5.07 g
Analysis Date:	11/20/2013 1701			Final Weight/Volume:	5.07 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.10	U	1.10	5.77
2-Chlorotoluene		0.784	U	0.784	5.77
4-Chlorotoluene		0.957	U	0.957	5.77
1,3,5-Trimethylbenzene		1.84	U	1.84	5.77
tert-Butylbenzene		1.10	U	1.10	5.77
4-Isopropyltoluene		1.18	U	1.18	5.77
1,2,4-Trimethylbenzene		1.06	U	1.06	5.77
sec-Butylbenzene		0.807	U	0.807	5.77
1,3-Dichlorobenzene		0.819	U	0.819	5.77
1,4-Dichlorobenzene		0.761	U	0.761	5.77
1,2-Dichlorobenzene		0.922	U	0.922	5.77
n-Butylbenzene		0.669	U	0.669	5.77
1,2-Dibromo-3-Chloropropane		2.81	U	2.81	5.77
1,2,4-Trichlorobenzene		2.27	U	2.27	5.77
Hexachlorobutadiene		1.30	U	1.30	5.77
Naphthalene		2.73	U	2.73	11.5
1,2,3-Trichlorobenzene		0.715	U	0.715	5.77
Carbon disulfide		0.634	U	0.634	11.5
Acetone		17.0	*	1.91	11.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	79		50 - 130
Dibromofluoromethane	87		68 - 140
4-Bromofluorobenzene	85		57 - 140
1,2-Dichloroethane-d4 (Surr)	99		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-5-6-11112013**

Lab Sample ID: 600-82738-8 Date Sampled: 11/11/2013 1435
Client Matrix: Solid % Moisture: 15.9 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32414.D
Dilution:	1.24			Initial Weight/Volume:	4.03 g
Analysis Date:	11/20/2013 1730			Final Weight/Volume:	4.03 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		2.27	U	2.27	7.38
Chloromethane		2.45	U	2.45	14.8
Vinyl chloride		1.33	U	1.33	14.8
Bromomethane		1.22	U	1.22	14.8
Chloroethane		2.07	U	2.07	14.8
Trichlorofluoromethane		0.974	U	0.974	14.8
1,1-Dichloroethene		1.80	U	1.80	7.38
trans-1,2-Dichloroethene		1.68	U	1.68	7.38
Methyl tert-butyl ether		2.70	U	2.70	7.38
Methylene Chloride		3.97	J B	3.23	14.8
cis-1,2-Dichloroethene		1.22	U	1.22	7.38
2-Butanone (MEK)		2.80	U	2.80	14.8
Bromochloromethane		2.63	U	2.63	7.38
Carbon tetrachloride		1.67	U	1.67	7.38
Benzene		1.09	J	0.929	7.38
1,2-Dichloroethane		1.33	U	1.33	7.38
Trichloroethene		2.07	U	2.07	7.38
1,1,1-Trichloroethane		1.09	U	1.09	7.38
1,1-Dichloroethane		1.28	U	1.28	7.38
1,2-Dichloropropane		1.05	U	1.05	7.38
2,2-Dichloropropane		2.69	U	2.69	7.38
Dibromomethane		1.11	U	1.11	7.38
Chloroform		0.974	U	0.974	7.38
Bromodichloromethane		0.974	U	0.974	7.38
2-Chloroethyl vinyl ether		1.45	U *	1.45	14.8
1,1-Dichloropropene		0.959	U	0.959	7.38
cis-1,3-Dichloropropene		0.797	U	0.797	7.38
Toluene		2.04	U	2.04	7.38
trans-1,3-Dichloropropene		0.856	U	0.856	7.38
1,1,2-Trichloroethane		1.08	U	1.08	59.0
Tetrachloroethene		1.05	U	1.05	7.38
1,3-Dichloropropane		0.929	U	0.929	7.38
Chlorodibromomethane		1.39	U	1.39	7.38
1,2-Dibromoethane		1.50	U	1.50	7.38
Chlorobenzene		1.42	U	1.42	7.38
1,1,1,2-Tetrachloroethane		2.07	U	2.07	7.38
Ethylbenzene		1.50	U	1.50	7.38
m-Xylene & p-Xylene		2.24	U	2.24	14.8
Xylenes, Total		1.67	U	1.67	7.38
o-Xylene		1.67	U	1.67	7.38
Styrene		1.05	U	1.05	7.38
Bromoform		2.02	U	2.02	7.38
Isopropylbenzene		1.36	U	1.36	7.38
Bromobenzene		1.46	U	1.46	7.38
1,2,3-Trichloropropane		1.93	U	1.93	7.38
1,1,2,2-Tetrachloroethane		1.28	U	1.28	7.38

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB02-5-6-11112013**

Lab Sample ID: 600-82738-8
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 11/11/2013 1435
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32414.D
Dilution:	1.24			Initial Weight/Volume:	4.03 g
Analysis Date:	11/20/2013 1730			Final Weight/Volume:	4.03 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.40	U	1.40	7.38
2-Chlorotoluene		1.00	U	1.00	7.38
4-Chlorotoluene		1.22	U	1.22	7.38
1,3,5-Trimethylbenzene		2.36	U	2.36	7.38
tert-Butylbenzene		1.40	U	1.40	7.38
4-Isopropyltoluene		1.50	U	1.50	7.38
1,2,4-Trimethylbenzene		1.36	U	1.36	7.38
sec-Butylbenzene		1.03	U	1.03	7.38
1,3-Dichlorobenzene		1.05	U	1.05	7.38
1,4-Dichlorobenzene		0.974	U	0.974	7.38
1,2-Dichlorobenzene		1.18	U	1.18	7.38
n-Butylbenzene		0.856	U	0.856	7.38
1,2-Dibromo-3-Chloropropane		3.60	U	3.60	7.38
1,2,4-Trichlorobenzene		2.91	U	2.91	7.38
Hexachlorobutadiene		1.67	U	1.67	7.38
Naphthalene		3.50	U	3.50	14.8
1,2,3-Trichlorobenzene		0.915	U	0.915	7.38
Carbon disulfide		0.811	U	0.811	14.8
Acetone		24.5	*	2.45	14.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	86		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	85		57 - 140
1,2-Dichloroethane-d4 (Surr)	100		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB02-12-13-11112013**

Lab Sample ID: 600-82738-9
Client Matrix: Solid

% Moisture: 18.6

Date Sampled: 11/11/2013 1440
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32415.D
Dilution:	0.88			Initial Weight/Volume:	5.71 g
Analysis Date:	11/20/2013 1759			Final Weight/Volume:	5.71 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.66	U	1.66	5.40
Chloromethane		1.79	U	1.79	10.8
Vinyl chloride		0.972	U	0.972	10.8
Bromomethane		0.897	U	0.897	10.8
Chloroethane		1.51	U	1.51	10.8
Trichlorofluoromethane		0.713	U	0.713	10.8
1,1-Dichloroethene		1.32	U	1.32	5.40
trans-1,2-Dichloroethene		1.23	U	1.23	5.40
Methyl tert-butyl ether		1.98	U	1.98	5.40
Methylene Chloride		2.37	U	2.37	10.8
cis-1,2-Dichloroethene		0.897	U	0.897	5.40
2-Butanone (MEK)		2.05	U	2.05	10.8
Bromochloromethane		1.92	U	1.92	5.40
Carbon tetrachloride		1.22	U	1.22	5.40
Benzene		0.681	U	0.681	5.40
1,2-Dichloroethane		0.972	U	0.972	5.40
Trichloroethene		1.51	U	1.51	5.40
1,1,1-Trichloroethane		0.800	U	0.800	5.40
1,1-Dichloroethane		0.940	U	0.940	5.40
1,2-Dichloropropane		0.767	U	0.767	5.40
2,2-Dichloropropane		1.97	U	1.97	5.40
Dibromomethane		0.810	U	0.810	5.40
Chloroform		0.713	U	0.713	5.40
Bromodichloromethane		0.713	U	0.713	5.40
2-Chloroethyl vinyl ether		1.06	U *	1.06	10.8
1,1-Dichloropropene		0.702	U	0.702	5.40
cis-1,3-Dichloropropene		0.583	U	0.583	5.40
Toluene		1.49	U	1.49	5.40
trans-1,3-Dichloropropene		0.627	U	0.627	5.40
1,1,2-Trichloroethane		0.789	U	0.789	43.2
Tetrachloroethene		0.767	U	0.767	5.40
1,3-Dichloropropane		0.681	U	0.681	5.40
Chlorodibromomethane		1.02	U	1.02	5.40
1,2-Dibromoethane		1.10	U	1.10	5.40
Chlorobenzene		1.04	U	1.04	5.40
1,1,1,2-Tetrachloroethane		1.51	U	1.51	5.40
Ethylbenzene		1.10	U	1.10	5.40
m-Xylene & p-Xylene		1.64	U	1.64	10.8
Xylenes, Total		1.22	U	1.22	5.40
o-Xylene		1.22	U	1.22	5.40
Styrene		0.767	U	0.767	5.40
Bromoform		1.48	U	1.48	5.40
Isopropylbenzene		0.994	U	0.994	5.40
Bromobenzene		1.07	U	1.07	5.40
1,2,3-Trichloropropane		1.42	U	1.42	5.40
1,1,2,2-Tetrachloroethane		0.940	U	0.940	5.40

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB02-12-13-11112013**

Lab Sample ID: 600-82738-9
Client Matrix: Solid

% Moisture: 18.6

Date Sampled: 11/11/2013 1440
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32415.D
Dilution:	0.88			Initial Weight/Volume:	5.71 g
Analysis Date:	11/20/2013 1759			Final Weight/Volume:	5.71 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.03	U	1.03	5.40
2-Chlorotoluene		0.735	U	0.735	5.40
4-Chlorotoluene		0.897	U	0.897	5.40
1,3,5-Trimethylbenzene		1.73	U	1.73	5.40
tert-Butylbenzene		1.03	U	1.03	5.40
4-Isopropyltoluene		1.10	U	1.10	5.40
1,2,4-Trimethylbenzene		0.994	U	0.994	5.40
sec-Butylbenzene		0.756	U	0.756	5.40
1,3-Dichlorobenzene		0.767	U	0.767	5.40
1,4-Dichlorobenzene		0.713	U	0.713	5.40
1,2-Dichlorobenzene		0.864	U	0.864	5.40
n-Butylbenzene		0.627	U	0.627	5.40
1,2-Dibromo-3-Chloropropane		2.64	U	2.64	5.40
1,2,4-Trichlorobenzene		2.13	U	2.13	5.40
Hexachlorobutadiene		1.22	U	1.22	5.40
Naphthalene		2.56	U	2.56	10.8
1,2,3-Trichlorobenzene		0.670	U	0.670	5.40
Carbon disulfide		0.594	U	0.594	10.8
Acetone		1.79	U *	1.79	10.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	76		50 - 130
Dibromofluoromethane	88		68 - 140
4-Bromofluorobenzene	82		57 - 140
1,2-Dichloroethane-d4 (Surr)	98		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-18-19-11112013**

Lab Sample ID: 600-82738-10 Date Sampled: 11/11/2013 1515
Client Matrix: Solid % Moisture: 18.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32423.D
Dilution:	0.76			Initial Weight/Volume:	6.57 g
Analysis Date:	11/20/2013 2149			Final Weight/Volume:	6.57 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.43	U	1.43	4.66
Chloromethane		1.55	U	1.55	9.32
Vinyl chloride		0.838	U	0.838	9.32
Bromomethane		0.773	U	0.773	9.32
Chloroethane		1.30	U	1.30	9.32
Trichlorofluoromethane		0.615	U	0.615	9.32
1,1-Dichloroethene		1.14	U	1.14	4.66
trans-1,2-Dichloroethene		1.06	U	1.06	4.66
Methyl tert-butyl ether		1.70	U	1.70	4.66
Methylene Chloride		2.30	J B	2.04	9.32
cis-1,2-Dichloroethene		0.773	U	0.773	4.66
2-Butanone (MEK)		1.77	U	1.77	9.32
Bromochloromethane		1.66	U	1.66	4.66
Carbon tetrachloride		1.05	U	1.05	4.66
Benzene		1.41	J	0.587	4.66
1,2-Dichloroethane		0.838	U	0.838	4.66
Trichloroethene		1.30	U	1.30	4.66
1,1,1-Trichloroethane		0.689	U	0.689	4.66
1,1-Dichloroethane		0.811	U	0.811	4.66
1,2-Dichloropropane		0.661	U	0.661	4.66
2,2-Dichloropropane		1.70	U	1.70	4.66
Dibromomethane		0.699	U	0.699	4.66
Chloroform		0.615	U	0.615	4.66
Bromodichloromethane		0.615	U	0.615	4.66
2-Chloroethyl vinyl ether		0.913	U *	0.913	9.32
1,1-Dichloropropene		0.606	U	0.606	4.66
cis-1,3-Dichloropropene		0.503	U	0.503	4.66
Toluene		1.31	J	1.29	4.66
trans-1,3-Dichloropropene		0.540	U	0.540	4.66
1,1,2-Trichloroethane		0.680	U	0.680	37.3
Tetrachloroethene		4.74		0.661	4.66
1,3-Dichloropropane		0.587	U	0.587	4.66
Chlorodibromomethane		0.876	U	0.876	4.66
1,2-Dibromoethane		0.950	U	0.950	4.66
Chlorobenzene		0.894	U	0.894	4.66
1,1,1,2-Tetrachloroethane		1.30	U	1.30	4.66
Ethylbenzene		0.950	U	0.950	4.66
m-Xylene & p-Xylene		1.42	U	1.42	9.32
Xylenes, Total		1.05	U	1.05	4.66
o-Xylene		1.05	U	1.05	4.66
Styrene		0.661	U	0.661	4.66
Bromoform		1.28	U	1.28	4.66
Isopropylbenzene		0.898	J	0.857	4.66
Bromobenzene		0.922	U	0.922	4.66
1,2,3-Trichloropropane		1.22	U	1.22	4.66
1,1,2,2-Tetrachloroethane		0.811	U	0.811	4.66

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-18-19-11112013**

Lab Sample ID: 600-82738-10 Date Sampled: 11/11/2013 1515
Client Matrix: Solid % Moisture: 18.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32423.D
Dilution:	0.76			Initial Weight/Volume:	6.57 g
Analysis Date:	11/20/2013 2149			Final Weight/Volume:	6.57 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.885	U	0.885	4.66
2-Chlorotoluene		0.633	U	0.633	4.66
4-Chlorotoluene		0.773	U	0.773	4.66
1,3,5-Trimethylbenzene		1.49	U	1.49	4.66
tert-Butylbenzene		0.885	U	0.885	4.66
4-Isopropyltoluene		0.950	U	0.950	4.66
1,2,4-Trimethylbenzene		0.857	U	0.857	4.66
sec-Butylbenzene		13.3		0.652	4.66
1,3-Dichlorobenzene		0.661	U	0.661	4.66
1,4-Dichlorobenzene		0.615	U	0.615	4.66
1,2-Dichlorobenzene		0.745	U	0.745	4.66
n-Butylbenzene		0.811	J	0.540	4.66
1,2-Dibromo-3-Chloropropane		2.27	U	2.27	4.66
1,2,4-Trichlorobenzene		1.84	U	1.84	4.66
Hexachlorobutadiene		1.05	U	1.05	4.66
Naphthalene		3.31	J	2.21	9.32
1,2,3-Trichlorobenzene		3.66	J	0.578	4.66
Carbon disulfide		2.58	J	0.512	9.32
Acetone		44.7	*	1.55	9.32

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	79		50 - 130
Dibromofluoromethane	86		68 - 140
4-Bromofluorobenzene	75		57 - 140
1,2-Dichloroethane-d4 (Surr)	103		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB02-24-25-11112013**

Lab Sample ID: 600-82738-11
Client Matrix: Solid

% Moisture: 21.3

Date Sampled: 11/11/2013 1520
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32416.D
Dilution:	0.74			Initial Weight/Volume:	6.73 g
Analysis Date:	11/20/2013 1828			Final Weight/Volume:	6.73 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.45	U	1.45	4.70
Chloromethane		1.56	U	1.56	9.41
Vinyl chloride		0.847	U	0.847	9.41
Bromomethane		0.781	U	0.781	9.41
Chloroethane		1.32	U	1.32	9.41
Trichlorofluoromethane		0.621	U	0.621	9.41
1,1-Dichloroethene		1.15	U	1.15	4.70
trans-1,2-Dichloroethene		1.07	U	1.07	4.70
Methyl tert-butyl ether		1.72	U	1.72	4.70
Methylene Chloride		3.32	J B	2.06	9.41
cis-1,2-Dichloroethene		0.781	U	0.781	4.70
2-Butanone (MEK)		1.79	U	1.79	9.41
Bromochloromethane		1.67	U	1.67	4.70
Carbon tetrachloride		1.06	U	1.06	4.70
Benzene		2.12	J	0.593	4.70
1,2-Dichloroethane		0.847	U	0.847	4.70
Trichloroethene		1.32	U	1.32	4.70
1,1,1-Trichloroethane		0.696	U	0.696	4.70
1,1-Dichloroethane		0.818	U	0.818	4.70
1,2-Dichloropropane		0.668	U	0.668	4.70
2,2-Dichloropropane		1.71	U	1.71	4.70
Dibromomethane		0.705	U	0.705	4.70
Chloroform		0.621	U	0.621	4.70
Bromodichloromethane		0.621	U	0.621	4.70
2-Chloroethyl vinyl ether		0.922	U *	0.922	9.41
1,1-Dichloropropene		0.611	U	0.611	4.70
cis-1,3-Dichloropropene		0.508	U	0.508	4.70
Toluene		2.32	J	1.30	4.70
trans-1,3-Dichloropropene		0.546	U	0.546	4.70
1,1,2-Trichloroethane		0.687	U	0.687	37.6
Tetrachloroethene		0.668	U	0.668	4.70
1,3-Dichloropropane		0.593	U	0.593	4.70
Chlorodibromomethane		0.884	U	0.884	4.70
1,2-Dibromoethane		0.959	U	0.959	4.70
Chlorobenzene		0.903	U	0.903	4.70
1,1,1,2-Tetrachloroethane		1.32	U	1.32	4.70
Ethylbenzene		0.959	U	0.959	4.70
m-Xylene & p-Xylene		1.43	U	1.43	9.41
Xylenes, Total		1.06	U	1.06	4.70
o-Xylene		1.06	U	1.06	4.70
Styrene		0.668	U	0.668	4.70
Bromoform		1.29	U	1.29	4.70
Isopropylbenzene		0.865	U	0.865	4.70
Bromobenzene		0.931	U	0.931	4.70
1,2,3-Trichloropropane		1.23	U	1.23	4.70
1,1,2,2-Tetrachloroethane		0.818	U	0.818	4.70

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB02-24-25-11112013**

Lab Sample ID: 600-82738-11 Date Sampled: 11/11/2013 1520
Client Matrix: Solid % Moisture: 21.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32416.D
Dilution:	0.74			Initial Weight/Volume:	6.73 g
Analysis Date:	11/20/2013 1828			Final Weight/Volume:	6.73 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.894	U	0.894	4.70
2-Chlorotoluene		0.640	U	0.640	4.70
4-Chlorotoluene		0.781	U	0.781	4.70
1,3,5-Trimethylbenzene		1.51	U	1.51	4.70
tert-Butylbenzene		0.894	U	0.894	4.70
4-Isopropyltoluene		0.959	U	0.959	4.70
1,2,4-Trimethylbenzene		0.865	U	0.865	4.70
sec-Butylbenzene		0.658	U	0.658	4.70
1,3-Dichlorobenzene		0.668	U	0.668	4.70
1,4-Dichlorobenzene		0.621	U	0.621	4.70
1,2-Dichlorobenzene		0.753	U	0.753	4.70
n-Butylbenzene		0.546	U	0.546	4.70
1,2-Dibromo-3-Chloropropane		2.30	U	2.30	4.70
1,2,4-Trichlorobenzene		1.85	U	1.85	4.70
Hexachlorobutadiene		1.06	U	1.06	4.70
Naphthalene		2.23	U	2.23	9.41
1,2,3-Trichlorobenzene		0.583	U	0.583	4.70
Carbon disulfide		0.517	U	0.517	9.41
Acetone		34.1	*	1.56	9.41

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	90		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	92		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **FD02-24-25-11112013**

Lab Sample ID: 600-82738-12
Client Matrix: Solid

% Moisture: 20.9

Date Sampled: 11/11/2013 1530
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32417.D
Dilution:	0.74			Initial Weight/Volume:	6.78 g
Analysis Date:	11/20/2013 1856			Final Weight/Volume:	6.78 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.44	U	1.44	4.68
Chloromethane		1.55	U	1.55	9.35
Vinyl chloride		0.842	U	0.842	9.35
Bromomethane		0.776	U	0.776	9.35
Chloroethane		1.31	U	1.31	9.35
Trichlorofluoromethane		0.617	U	0.617	9.35
1,1-Dichloroethene		1.14	U	1.14	4.68
trans-1,2-Dichloroethene		1.07	U	1.07	4.68
Methyl tert-butyl ether		1.71	U	1.71	4.68
Methylene Chloride		2.05	U	2.05	9.35
cis-1,2-Dichloroethene		0.776	U	0.776	4.68
2-Butanone (MEK)		1.78	U	1.78	9.35
Bromochloromethane		1.66	U	1.66	4.68
Carbon tetrachloride		1.06	U	1.06	4.68
Benzene		3.54	J	0.589	4.68
1,2-Dichloroethane		0.842	U	0.842	4.68
Trichloroethene		1.31	U	1.31	4.68
1,1,1-Trichloroethane		0.692	U	0.692	4.68
1,1-Dichloroethane		0.814	U	0.814	4.68
1,2-Dichloropropane		0.664	U	0.664	4.68
2,2-Dichloropropane		1.70	U	1.70	4.68
Dibromomethane		0.701	U	0.701	4.68
Chloroform		0.617	U	0.617	4.68
Bromodichloromethane		0.617	U	0.617	4.68
2-Chloroethyl vinyl ether		0.916	U *	0.916	9.35
1,1-Dichloropropene		0.608	U	0.608	4.68
cis-1,3-Dichloropropene		0.505	U	0.505	4.68
Toluene		3.61	J	1.29	4.68
trans-1,3-Dichloropropene		0.542	U	0.542	4.68
1,1,2-Trichloroethane		0.683	U	0.683	37.4
Tetrachloroethene		0.664	U	0.664	4.68
1,3-Dichloropropane		0.589	U	0.589	4.68
Chlorodibromomethane		0.879	U	0.879	4.68
1,2-Dibromoethane		0.954	U	0.954	4.68
Chlorobenzene		0.898	U	0.898	4.68
1,1,1,2-Tetrachloroethane		1.31	U	1.31	4.68
Ethylbenzene		0.954	U	0.954	4.68
m-Xylene & p-Xylene		1.48	J	1.42	9.35
Xylenes, Total		1.48	J	1.06	4.68
o-Xylene		1.06	U	1.06	4.68
Styrene		0.664	U	0.664	4.68
Bromoform		1.28	U	1.28	4.68
Isopropylbenzene		0.860	U	0.860	4.68
Bromobenzene		0.926	U	0.926	4.68
1,2,3-Trichloropropane		1.23	U	1.23	4.68
1,1,2,2-Tetrachloroethane		0.814	U	0.814	4.68

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **FD02-24-25-11112013**

Lab Sample ID: 600-82738-12 Date Sampled: 11/11/2013 1530
Client Matrix: Solid % Moisture: 20.9 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32417.D
Dilution:	0.74			Initial Weight/Volume:	6.78 g
Analysis Date:	11/20/2013 1856			Final Weight/Volume:	6.78 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.888	U	0.888	4.68
2-Chlorotoluene		0.636	U	0.636	4.68
4-Chlorotoluene		0.776	U	0.776	4.68
1,3,5-Trimethylbenzene		1.50	U	1.50	4.68
tert-Butylbenzene		0.888	U	0.888	4.68
4-Isopropyltoluene		0.954	U	0.954	4.68
1,2,4-Trimethylbenzene		0.902	J	0.860	4.68
sec-Butylbenzene		0.655	U	0.655	4.68
1,3-Dichlorobenzene		0.664	U	0.664	4.68
1,4-Dichlorobenzene		0.617	U	0.617	4.68
1,2-Dichlorobenzene		0.748	U	0.748	4.68
n-Butylbenzene		0.542	U	0.542	4.68
1,2-Dibromo-3-Chloropropane		2.28	U	2.28	4.68
1,2,4-Trichlorobenzene		1.84	U	1.84	4.68
Hexachlorobutadiene		1.06	U	1.06	4.68
Naphthalene		2.22	U	2.22	9.35
1,2,3-Trichlorobenzene		0.580	U	0.580	4.68
Carbon disulfide		0.514	U	0.514	9.35
Acetone		69.3	*	1.55	9.35

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	79		50 - 130
Dibromofluoromethane	86		68 - 140
4-Bromofluorobenzene	82		57 - 140
1,2-Dichloroethane-d4 (Surr)	97		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB01-11112013**

Lab Sample ID: 600-82738-13
Client Matrix: Water

Date Sampled: 11/11/2013 1150
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32218.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1620			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1620				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB01-11112013**

Lab Sample ID: 600-82738-13
Client Matrix: Water

Date Sampled: 11/11/2013 1150
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32218.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1620			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1620				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	93		62 - 130
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		50 - 134

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB03-2-3-11112013**

Lab Sample ID: 600-82738-14 Date Sampled: 11/11/2013 1610
Client Matrix: Solid % Moisture: 15.0 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32418.D
Dilution:	0.89			Initial Weight/Volume:	5.63 g
Analysis Date:	11/20/2013 1925			Final Weight/Volume:	5.63 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.61	U	1.61	5.23
Chloromethane		1.74	U	1.74	10.5
Vinyl chloride		0.942	U	0.942	10.5
Bromomethane		0.869	U	0.869	10.5
Chloroethane		1.47	U	1.47	10.5
Trichlorofluoromethane		0.691	U	0.691	10.5
1,1-Dichloroethene		1.28	U	1.28	5.23
trans-1,2-Dichloroethene		1.19	U	1.19	5.23
Methyl tert-butyl ether		1.92	U	1.92	5.23
Methylene Chloride		2.74	J B	2.29	10.5
cis-1,2-Dichloroethene		0.869	U	0.869	5.23
2-Butanone (MEK)		1.99	U	1.99	10.5
Bromochloromethane		1.86	U	1.86	5.23
Carbon tetrachloride		1.18	U	1.18	5.23
Benzene		0.659	U	0.659	5.23
1,2-Dichloroethane		0.942	U	0.942	5.23
Trichloroethene		1.47	U	1.47	5.23
1,1,1-Trichloroethane		0.774	U	0.774	5.23
1,1-Dichloroethane		0.910	U	0.910	5.23
1,2-Dichloropropane		0.743	U	0.743	5.23
2,2-Dichloropropane		1.90	U	1.90	5.23
Dibromomethane		0.785	U	0.785	5.23
Chloroform		0.691	U	0.691	5.23
Bromodichloromethane		0.691	U	0.691	5.23
2-Chloroethyl vinyl ether		1.03	U *	1.03	10.5
1,1-Dichloropropene		0.680	U	0.680	5.23
cis-1,3-Dichloropropene		0.565	U	0.565	5.23
Toluene		1.44	U	1.44	5.23
trans-1,3-Dichloropropene		0.607	U	0.607	5.23
1,1,2-Trichloroethane		0.764	U	0.764	41.9
Tetrachloroethene		0.743	U	0.743	5.23
1,3-Dichloropropane		0.659	U	0.659	5.23
Chlorodibromomethane		0.984	U	0.984	5.23
1,2-Dibromoethane		1.07	U	1.07	5.23
Chlorobenzene		1.00	U	1.00	5.23
1,1,1,2-Tetrachloroethane		1.47	U	1.47	5.23
Ethylbenzene		1.07	U	1.07	5.23
m-Xylene & p-Xylene		1.59	U	1.59	10.5
Xylenes, Total		1.18	U	1.18	5.23
o-Xylene		1.18	U	1.18	5.23
Styrene		0.743	U	0.743	5.23
Bromoform		1.43	U	1.43	5.23
Isopropylbenzene		0.963	U	0.963	5.23
Bromobenzene		1.04	U	1.04	5.23
1,2,3-Trichloropropane		1.37	U	1.37	5.23
1,1,2,2-Tetrachloroethane		0.910	U	0.910	5.23

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB03-2-3-11112013**

Lab Sample ID: 600-82738-14
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/11/2013 1610
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32418.D
Dilution:	0.89			Initial Weight/Volume:	5.63 g
Analysis Date:	11/20/2013 1925			Final Weight/Volume:	5.63 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.994	U	0.994	5.23
2-Chlorotoluene		0.712	U	0.712	5.23
4-Chlorotoluene		0.869	U	0.869	5.23
1,3,5-Trimethylbenzene		1.67	U	1.67	5.23
tert-Butylbenzene		0.994	U	0.994	5.23
4-Isopropyltoluene		1.07	U	1.07	5.23
1,2,4-Trimethylbenzene		0.963	U	0.963	5.23
sec-Butylbenzene		0.733	U	0.733	5.23
1,3-Dichlorobenzene		0.743	U	0.743	5.23
1,4-Dichlorobenzene		0.691	U	0.691	5.23
1,2-Dichlorobenzene		0.837	U	0.837	5.23
n-Butylbenzene		0.607	U	0.607	5.23
1,2-Dibromo-3-Chloropropane		2.55	U	2.55	5.23
1,2,4-Trichlorobenzene		2.06	U	2.06	5.23
Hexachlorobutadiene		1.18	U	1.18	5.23
Naphthalene		2.48	U	2.48	10.5
1,2,3-Trichlorobenzene		0.649	U	0.649	5.23
Carbon disulfide		0.576	U	0.576	10.5
Acetone		1.91	J *	1.74	10.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	84		57 - 140
1,2-Dichloroethane-d4 (Surr)	106		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB03-5-6-11112013**

Lab Sample ID: 600-82738-15
Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 11/11/2013 1615
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32419.D
Dilution:	0.97			Initial Weight/Volume:	5.14 g
Analysis Date:	11/20/2013 1954			Final Weight/Volume:	5.14 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.77	U	1.77	5.74
Chloromethane		1.90	U	1.90	11.5
Vinyl chloride		1.03	U	1.03	11.5
Bromomethane		0.952	U	0.952	11.5
Chloroethane		1.61	U	1.61	11.5
Trichlorofluoromethane		0.757	U	0.757	11.5
1,1-Dichloroethene		1.40	U	1.40	5.74
trans-1,2-Dichloroethene		1.31	U	1.31	5.74
Methyl tert-butyl ether		2.10	U	2.10	5.74
Methylene Chloride		2.51	U	2.51	11.5
cis-1,2-Dichloroethene		0.952	U	0.952	5.74
2-Butanone (MEK)		2.18	U	2.18	11.5
Bromochloromethane		2.04	U	2.04	5.74
Carbon tetrachloride		1.30	U	1.30	5.74
Benzene		0.723	U	0.723	5.74
1,2-Dichloroethane		1.03	U	1.03	5.74
Trichloroethene		1.61	U	1.61	5.74
1,1,1-Trichloroethane		0.849	U	0.849	5.74
1,1-Dichloroethane		0.998	U	0.998	5.74
1,2-Dichloropropane		0.814	U	0.814	5.74
2,2-Dichloropropane		2.09	U	2.09	5.74
Dibromomethane		0.860	U	0.860	5.74
Chloroform		0.757	U	0.757	5.74
Bromodichloromethane		0.757	U	0.757	5.74
2-Chloroethyl vinyl ether		1.12	U *	1.12	11.5
1,1-Dichloropropene		0.746	U	0.746	5.74
cis-1,3-Dichloropropene		0.619	U	0.619	5.74
Toluene		1.58	U	1.58	5.74
trans-1,3-Dichloropropene		0.665	U	0.665	5.74
1,1,2-Trichloroethane		0.837	U	0.837	45.9
Tetrachloroethene		0.814	U	0.814	5.74
1,3-Dichloropropane		0.723	U	0.723	5.74
Chlorodibromomethane		1.08	U	1.08	5.74
1,2-Dibromoethane		1.17	U	1.17	5.74
Chlorobenzene		1.10	U	1.10	5.74
1,1,1,2-Tetrachloroethane		1.61	U	1.61	5.74
Ethylbenzene		1.17	U	1.17	5.74
m-Xylene & p-Xylene		1.74	U	1.74	11.5
Xylenes, Total		1.30	U	1.30	5.74
o-Xylene		1.30	U	1.30	5.74
Styrene		0.814	U	0.814	5.74
Bromoform		1.57	U	1.57	5.74
Isopropylbenzene		1.06	U	1.06	5.74
Bromobenzene		1.14	U	1.14	5.74
1,2,3-Trichloropropane		1.50	U	1.50	5.74
1,1,2,2-Tetrachloroethane		0.998	U	0.998	5.74

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB03-5-6-11112013**

Lab Sample ID: 600-82738-15 Date Sampled: 11/11/2013 1615
Client Matrix: Solid % Moisture: 15.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32419.D
Dilution:	0.97			Initial Weight/Volume:	5.14 g
Analysis Date:	11/20/2013 1954			Final Weight/Volume:	5.14 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.09	U	1.09	5.74
2-Chlorotoluene		0.780	U	0.780	5.74
4-Chlorotoluene		0.952	U	0.952	5.74
1,3,5-Trimethylbenzene		1.84	U	1.84	5.74
tert-Butylbenzene		1.09	U	1.09	5.74
4-Isopropyltoluene		1.17	U	1.17	5.74
1,2,4-Trimethylbenzene		1.06	U	1.06	5.74
sec-Butylbenzene		0.803	U	0.803	5.74
1,3-Dichlorobenzene		0.814	U	0.814	5.74
1,4-Dichlorobenzene		0.757	U	0.757	5.74
1,2-Dichlorobenzene		0.918	U	0.918	5.74
n-Butylbenzene		0.665	U	0.665	5.74
1,2-Dibromo-3-Chloropropane		2.80	U	2.80	5.74
1,2,4-Trichlorobenzene		2.26	U	2.26	5.74
Hexachlorobutadiene		1.30	U	1.30	5.74
Naphthalene		2.72	U	2.72	11.5
1,2,3-Trichlorobenzene		0.711	U	0.711	5.74
Carbon disulfide		0.631	U	0.631	11.5
Acetone		2.57	J *	1.90	11.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	91		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	103		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB03-15-16-11112013**

Lab Sample ID: 600-82738-16 Date Sampled: 11/11/2013 1630
Client Matrix: Solid % Moisture: 10.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32424.D
Dilution:	0.83			Initial Weight/Volume:	6.01 g
Analysis Date:	11/20/2013 2218			Final Weight/Volume:	6.01 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.42	U	1.42	4.62
Chloromethane		1.53	U	1.53	9.23
Vinyl chloride		0.831	U	0.831	9.23
Bromomethane		0.766	U	0.766	9.23
Chloroethane		1.29	U	1.29	9.23
Trichlorofluoromethane		0.609	U	0.609	9.23
1,1-Dichloroethene		1.13	U	1.13	4.62
trans-1,2-Dichloroethene		1.05	U	1.05	4.62
Methyl tert-butyl ether		1.69	U	1.69	4.62
Methylene Chloride		4.20	J B	2.02	9.23
cis-1,2-Dichloroethene		0.766	U	0.766	4.62
2-Butanone (MEK)		1.75	U	1.75	9.23
Bromochloromethane		1.64	U	1.64	4.62
Carbon tetrachloride		1.04	U	1.04	4.62
Benzene		0.704	J	0.582	4.62
1,2-Dichloroethane		0.831	U	0.831	4.62
Trichloroethene		1.29	U	1.29	4.62
1,1,1-Trichloroethane		0.683	U	0.683	4.62
1,1-Dichloroethane		0.803	U	0.803	4.62
1,2-Dichloropropane		0.656	U	0.656	4.62
2,2-Dichloropropane		1.68	U	1.68	4.62
Dibromomethane		0.693	U	0.693	4.62
Chloroform		0.609	U	0.609	4.62
Bromodichloromethane		0.609	U	0.609	4.62
2-Chloroethyl vinyl ether		0.905	U *	0.905	9.23
1,1-Dichloropropene		0.600	U	0.600	4.62
cis-1,3-Dichloropropene		0.499	U	0.499	4.62
Toluene		1.27	U	1.27	4.62
trans-1,3-Dichloropropene		0.536	U	0.536	4.62
1,1,2-Trichloroethane		0.674	U	0.674	36.9
Tetrachloroethene		0.656	U	0.656	4.62
1,3-Dichloropropane		0.582	U	0.582	4.62
Chlorodibromomethane		0.868	U	0.868	4.62
1,2-Dibromoethane		0.942	U	0.942	4.62
Chlorobenzene		0.886	U	0.886	4.62
1,1,1,2-Tetrachloroethane		1.29	U	1.29	4.62
Ethylbenzene		0.942	U	0.942	4.62
m-Xylene & p-Xylene		1.40	U	1.40	9.23
Xylenes, Total		1.04	U	1.04	4.62
o-Xylene		1.04	U	1.04	4.62
Styrene		0.656	U	0.656	4.62
Bromoform		1.27	U	1.27	4.62
Isopropylbenzene		0.850	U	0.850	4.62
Bromobenzene		0.914	U	0.914	4.62
1,2,3-Trichloropropane		1.21	U	1.21	4.62
1,1,2,2-Tetrachloroethane		0.803	U	0.803	4.62

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB03-15-16-11112013**

Lab Sample ID: 600-82738-16 Date Sampled: 11/11/2013 1630
Client Matrix: Solid % Moisture: 10.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32424.D
Dilution:	0.83			Initial Weight/Volume:	6.01 g
Analysis Date:	11/20/2013 2218			Final Weight/Volume:	6.01 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.877	U	0.877	4.62
2-Chlorotoluene		0.628	U	0.628	4.62
4-Chlorotoluene		0.766	U	0.766	4.62
1,3,5-Trimethylbenzene		1.48	U	1.48	4.62
tert-Butylbenzene		0.877	U	0.877	4.62
4-Isopropyltoluene		0.942	U	0.942	4.62
1,2,4-Trimethylbenzene		0.850	U	0.850	4.62
sec-Butylbenzene		0.646	U	0.646	4.62
1,3-Dichlorobenzene		0.656	U	0.656	4.62
1,4-Dichlorobenzene		0.609	U	0.609	4.62
1,2-Dichlorobenzene		0.739	U	0.739	4.62
n-Butylbenzene		0.536	U	0.536	4.62
1,2-Dibromo-3-Chloropropane		2.25	U	2.25	4.62
1,2,4-Trichlorobenzene		1.82	U	1.82	4.62
Hexachlorobutadiene		1.04	U	1.04	4.62
Naphthalene		2.19	U	2.19	9.23
1,2,3-Trichlorobenzene		0.573	U	0.573	4.62
Carbon disulfide		0.508	U	0.508	9.23
Acetone		1.53	U *	1.53	9.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	83		57 - 140
1,2-Dichloroethane-d4 (Surr)	113		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB03-18-19-11112013**

Lab Sample ID: 600-82738-17
Client Matrix: Solid

Date Sampled: 11/11/2013 1655
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33020.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	11/26/2013 1850			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		71.8	U	71.8	233
Chloromethane		77.4	U	77.4	466
Vinyl chloride		42.0	U	42.0	466
Bromomethane		232	J B	38.7	466
Chloroethane		65.3	U	65.3	466
Trichlorofluoromethane		30.8	U	30.8	466
1,1-Dichloroethene		56.9	U	56.9	233
trans-1,2-Dichloroethene		53.2	U	53.2	233
Methyl tert-butyl ether		85.4	U	85.4	233
Methylene Chloride		102	U	102	466
cis-1,2-Dichloroethene		38.7	U	38.7	233
2-Butanone (MEK)		88.6	U	88.6	466
Bromochloromethane		83.0	U	83.0	233
Carbon tetrachloride		52.7	U	52.7	233
Benzene		29.4	U	29.4	233
1,2-Dichloroethane		42.0	U	42.0	233
Trichloroethene		65.3	U	65.3	233
1,1,1-Trichloroethane		34.5	U	34.5	233
1,1-Dichloroethane		40.6	U	40.6	233
1,2-Dichloropropane		33.1	U	33.1	233
2,2-Dichloropropane		84.9	U	84.9	233
Dibromomethane		35.0	U	35.0	233
Chloroform		30.8	U	30.8	233
Bromodichloromethane		30.8	U	30.8	233
2-Chloroethyl vinyl ether		45.7	U *	45.7	466
1,1-Dichloropropene		30.3	U	30.3	233
cis-1,3-Dichloropropene		25.2	U	25.2	233
Toluene		64.4	U	64.4	233
trans-1,3-Dichloropropene		27.1	U	27.1	233
1,1,2-Trichloroethane		34.0	U	34.0	1870
Tetrachloroethene		33.1	U	33.1	233
1,3-Dichloropropane		29.4	U	29.4	233
Chlorodibromomethane		43.8	U	43.8	233
1,2-Dibromoethane		47.6	U	47.6	233
Chlorobenzene		44.8	U	44.8	233
1,1,1,2-Tetrachloroethane		65.3	U	65.3	233
Ethylbenzene		47.6	U	47.6	233
m-Xylene & p-Xylene		70.9	U	70.9	466
Xylenes, Total		52.7	U	52.7	233
o-Xylene		52.7	U	52.7	233
Styrene		33.1	U	33.1	233
Bromoform		63.9	U	63.9	233
Isopropylbenzene		93.3	J	42.9	233
Bromobenzene		46.2	U	46.2	233
1,2,3-Trichloropropane		61.1	U	61.1	233
1,1,2,2-Tetrachloroethane		40.6	U	40.6	233

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB03-18-19-11112013**

Lab Sample ID: 600-82738-17
Client Matrix: Solid

Date Sampled: 11/11/2013 1655
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33020.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	11/26/2013 1850			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		133	J	44.3	233
2-Chlorotoluene		31.7	U	31.7	233
4-Chlorotoluene		38.7	U	38.7	233
1,3,5-Trimethylbenzene		101	J	74.6	233
tert-Butylbenzene		44.3	U	44.3	233
4-Isopropyltoluene		47.6	U	47.6	233
1,2,4-Trimethylbenzene		528		42.9	233
sec-Butylbenzene		1050		32.6	233
1,3-Dichlorobenzene		33.1	U	33.1	233
1,4-Dichlorobenzene		30.8	U	30.8	233
1,2-Dichlorobenzene		37.3	U	37.3	233
n-Butylbenzene		313		27.1	233
1,2-Dibromo-3-Chloropropane		114	U	114	233
1,2,4-Trichlorobenzene		91.9	U	91.9	233
Hexachlorobutadiene		52.7	U	52.7	233
Naphthalene		991	B	111	466
1,2,3-Trichlorobenzene		28.9	U	28.9	233
Acetone		77.4	U	77.4	466
Carbon disulfide		25.7	U	25.7	466

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	92		57 - 140
1,2-Dichloroethane-d4 (Surr)	92		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB03-24-25-11112013**

Lab Sample ID: 600-82738-18
Client Matrix: Solid

% Moisture: 11.2

Date Sampled: 11/11/2013 1705
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32421.D
Dilution:	0.7			Initial Weight/Volume:	7.19 g
Analysis Date:	11/20/2013 2052			Final Weight/Volume:	7.19 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.21	U	1.21	3.94
Chloromethane		1.31	U	1.31	7.88
Vinyl chloride		0.710	U	0.710	7.88
Bromomethane		0.654	U	0.654	7.88
Chloroethane		1.10	U	1.10	7.88
Trichlorofluoromethane		0.520	U	0.520	7.88
1,1-Dichloroethene		0.962	U	0.962	3.94
trans-1,2-Dichloroethene		0.899	U	0.899	3.94
Methyl tert-butyl ether		1.44	U	1.44	3.94
Methylene Chloride		1.85	J B	1.73	7.88
cis-1,2-Dichloroethene		0.654	U	0.654	3.94
2-Butanone (MEK)		1.50	U	1.50	7.88
Bromochloromethane		1.40	U	1.40	3.94
Carbon tetrachloride		0.891	U	0.891	3.94
Benzene		2.48	J	0.497	3.94
1,2-Dichloroethane		0.710	U	0.710	3.94
Trichloroethene		1.10	U	1.10	3.94
1,1,1-Trichloroethane		0.583	U	0.583	3.94
1,1-Dichloroethane		0.686	U	0.686	3.94
1,2-Dichloropropane		0.560	U	0.560	3.94
2,2-Dichloropropane		1.44	U	1.44	3.94
Dibromomethane		0.591	U	0.591	3.94
Chloroform		0.520	U	0.520	3.94
Bromodichloromethane		0.520	U	0.520	3.94
2-Chloroethyl vinyl ether		0.773	U *	0.773	7.88
1,1-Dichloropropene		0.513	U	0.513	3.94
cis-1,3-Dichloropropene		0.426	U	0.426	3.94
Toluene		2.76	J	1.09	3.94
trans-1,3-Dichloropropene		0.457	U	0.457	3.94
1,1,2-Trichloroethane		0.576	U	0.576	31.5
Tetrachloroethene		0.560	U	0.560	3.94
1,3-Dichloropropane		0.497	U	0.497	3.94
Chlorodibromomethane		0.741	U	0.741	3.94
1,2-Dibromoethane		0.804	U	0.804	3.94
Chlorobenzene		0.757	U	0.757	3.94
1,1,1,2-Tetrachloroethane		1.10	U	1.10	3.94
Ethylbenzene		0.804	U	0.804	3.94
m-Xylene & p-Xylene		1.20	U	1.20	7.88
Xylenes, Total		0.891	U	0.891	3.94
o-Xylene		0.891	U	0.891	3.94
Styrene		0.560	U	0.560	3.94
Bromoform		1.08	U	1.08	3.94
Isopropylbenzene		0.725	U	0.725	3.94
Bromobenzene		0.781	U	0.781	3.94
1,2,3-Trichloropropane		1.03	U	1.03	3.94
1,1,2,2-Tetrachloroethane		0.686	U	0.686	3.94

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB03-24-25-11112013**

Lab Sample ID: 600-82738-18 Date Sampled: 11/11/2013 1705
Client Matrix: Solid % Moisture: 11.2 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32421.D
Dilution:	0.7			Initial Weight/Volume:	7.19 g
Analysis Date:	11/20/2013 2052			Final Weight/Volume:	7.19 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.749	U	0.749	3.94
2-Chlorotoluene		0.536	U	0.536	3.94
4-Chlorotoluene		0.654	U	0.654	3.94
1,3,5-Trimethylbenzene		1.26	U	1.26	3.94
tert-Butylbenzene		0.749	U	0.749	3.94
4-Isopropyltoluene		0.804	U	0.804	3.94
1,2,4-Trimethylbenzene		0.725	U	0.725	3.94
sec-Butylbenzene		1.04	J	0.552	3.94
1,3-Dichlorobenzene		0.560	U	0.560	3.94
1,4-Dichlorobenzene		0.520	U	0.520	3.94
1,2-Dichlorobenzene		0.631	U	0.631	3.94
n-Butylbenzene		0.457	U	0.457	3.94
1,2-Dibromo-3-Chloropropane		1.92	U	1.92	3.94
1,2,4-Trichlorobenzene		1.55	U	1.55	3.94
Hexachlorobutadiene		0.891	U	0.891	3.94
Naphthalene		1.87	U	1.87	7.88
1,2,3-Trichlorobenzene		0.489	U	0.489	3.94
Carbon disulfide		0.434	U	0.434	7.88
Acetone		52.9	*	1.31	7.88

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	81		50 - 130
Dibromofluoromethane	89		68 - 140
4-Bromofluorobenzene	79		57 - 140
1,2-Dichloroethane-d4 (Surr)	102		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB02-11112013**

Lab Sample ID: 600-82738-19
Client Matrix: Water

Date Sampled: 11/12/2013 1200
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32213.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1411			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1411				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.109	J	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB02-11112013**

Lab Sample ID: 600-82738-19
Client Matrix: Water

Date Sampled: 11/12/2013 1200
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32213.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1411			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1411				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.652	J B	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		67 - 139
Dibromofluoromethane	97		62 - 130
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-2-3-11122013**

Lab Sample ID: 600-82738-20
Client Matrix: Solid

% Moisture: 9.9

Date Sampled: 11/12/2013 0850
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32420.D
Dilution:	0.84			Initial Weight/Volume:	5.32 g
Analysis Date:	11/20/2013 2023			Final Weight/Volume:	5.32 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.43	U	1.43	4.66
Chloromethane		1.55	U	1.55	9.32
Vinyl chloride		0.839	U	0.839	9.32
Bromomethane		0.773	U	0.773	9.32
Chloroethane		1.30	U	1.30	9.32
Trichlorofluoromethane		0.615	U	0.615	9.32
1,1-Dichloroethene		1.14	U	1.14	4.66
trans-1,2-Dichloroethene		1.06	U	1.06	4.66
Methyl tert-butyl ether		1.71	U	1.71	4.66
Methylene Chloride		2.04	U	2.04	9.32
cis-1,2-Dichloroethene		0.773	U	0.773	4.66
2-Butanone (MEK)		1.77	U	1.77	9.32
Bromochloromethane		1.66	U	1.66	4.66
Carbon tetrachloride		1.05	U	1.05	4.66
Benzene		0.676	J	0.587	4.66
1,2-Dichloroethane		0.839	U	0.839	4.66
Trichloroethene		1.30	U	1.30	4.66
1,1,1-Trichloroethane		0.690	U	0.690	4.66
1,1-Dichloroethane		0.811	U	0.811	4.66
1,2-Dichloropropane		0.662	U	0.662	4.66
2,2-Dichloropropane		1.70	U	1.70	4.66
Dibromomethane		0.699	U	0.699	4.66
Chloroform		0.615	U	0.615	4.66
Bromodichloromethane		0.615	U	0.615	4.66
2-Chloroethyl vinyl ether		0.913	U *	0.913	9.32
1,1-Dichloropropene		0.606	U	0.606	4.66
cis-1,3-Dichloropropene		0.503	U	0.503	4.66
Toluene		1.29	U	1.29	4.66
trans-1,3-Dichloropropene		0.540	U	0.540	4.66
1,1,2-Trichloroethane		0.680	U	0.680	37.3
Tetrachloroethene		0.662	U	0.662	4.66
1,3-Dichloropropane		0.587	U	0.587	4.66
Chlorodibromomethane		0.876	U	0.876	4.66
1,2-Dibromoethane		0.950	U	0.950	4.66
Chlorobenzene		0.895	U	0.895	4.66
1,1,1,2-Tetrachloroethane		1.30	U	1.30	4.66
Ethylbenzene		0.950	U	0.950	4.66
m-Xylene & p-Xylene		1.42	U	1.42	9.32
Xylenes, Total		1.05	U	1.05	4.66
o-Xylene		1.05	U	1.05	4.66
Styrene		0.662	U	0.662	4.66
Bromoform		1.28	U	1.28	4.66
Isopropylbenzene		0.857	U	0.857	4.66
Bromobenzene		0.922	U	0.922	4.66
1,2,3-Trichloropropane		1.22	U	1.22	4.66
1,1,2,2-Tetrachloroethane		0.811	U	0.811	4.66

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB04-2-3-11122013**

Lab Sample ID: 600-82738-20 Date Sampled: 11/12/2013 0850
Client Matrix: Solid % Moisture: 9.9 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32420.D
Dilution:	0.84			Initial Weight/Volume:	5.32 g
Analysis Date:	11/20/2013 2023			Final Weight/Volume:	5.32 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.885	U	0.885	4.66
2-Chlorotoluene		0.634	U	0.634	4.66
4-Chlorotoluene		0.773	U	0.773	4.66
1,3,5-Trimethylbenzene		1.49	U	1.49	4.66
tert-Butylbenzene		0.885	U	0.885	4.66
4-Isopropyltoluene		0.950	U	0.950	4.66
1,2,4-Trimethylbenzene		0.857	U	0.857	4.66
sec-Butylbenzene		0.652	U	0.652	4.66
1,3-Dichlorobenzene		0.662	U	0.662	4.66
1,4-Dichlorobenzene		0.615	U	0.615	4.66
1,2-Dichlorobenzene		0.745	U	0.745	4.66
n-Butylbenzene		0.540	U	0.540	4.66
1,2-Dibromo-3-Chloropropane		2.27	U	2.27	4.66
1,2,4-Trichlorobenzene		1.84	U	1.84	4.66
Hexachlorobutadiene		1.05	U	1.05	4.66
Naphthalene		2.21	U	2.21	9.32
1,2,3-Trichlorobenzene		0.578	U	0.578	4.66
Carbon disulfide		0.512	U	0.512	9.32
Acetone		15.8	*	1.55	9.32

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	83		68 - 140
4-Bromofluorobenzene	82		57 - 140
1,2-Dichloroethane-d4 (Surr)	99		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-5-6-11122013**

Lab Sample ID: 600-82738-21
Client Matrix: Solid

% Moisture: 12.1

Date Sampled: 11/12/2013 0855
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32422.D
Dilution:	0.89			Initial Weight/Volume:	5.60 g
Analysis Date:	11/20/2013 2120			Final Weight/Volume:	5.60 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.56	U	1.56	5.06
Chloromethane		1.68	U	1.68	10.1
Vinyl chloride		0.911	U	0.911	10.1
Bromomethane		0.841	U	0.841	10.1
Chloroethane		1.42	U	1.42	10.1
Trichlorofluoromethane		0.668	U	0.668	10.1
1,1-Dichloroethene		1.24	U	1.24	5.06
trans-1,2-Dichloroethene		1.15	U	1.15	5.06
Methyl tert-butyl ether		1.85	U	1.85	5.06
Methylene Chloride		2.93	J B	2.22	10.1
cis-1,2-Dichloroethene		0.841	U	0.841	5.06
2-Butanone (MEK)		1.92	U	1.92	10.1
Bromochloromethane		1.80	U	1.80	5.06
Carbon tetrachloride		1.14	U	1.14	5.06
Benzene		0.638	U	0.638	5.06
1,2-Dichloroethane		0.911	U	0.911	5.06
Trichloroethene		1.42	U	1.42	5.06
1,1,1-Trichloroethane		0.749	U	0.749	5.06
1,1-Dichloroethane		0.881	U	0.881	5.06
1,2-Dichloropropane		0.719	U	0.719	5.06
2,2-Dichloropropane		1.84	U	1.84	5.06
Dibromomethane		0.760	U	0.760	5.06
Chloroform		0.668	U	0.668	5.06
Bromodichloromethane		0.668	U	0.668	5.06
2-Chloroethyl vinyl ether		0.993	U *	0.993	10.1
1,1-Dichloropropene		0.658	U	0.658	5.06
cis-1,3-Dichloropropene		0.547	U	0.547	5.06
Toluene		1.40	U	1.40	5.06
trans-1,3-Dichloropropene		0.587	U	0.587	5.06
1,1,2-Trichloroethane		0.739	U	0.739	40.5
Tetrachloroethene		0.719	U	0.719	5.06
1,3-Dichloropropane		0.638	U	0.638	5.06
Chlorodibromomethane		0.952	U	0.952	5.06
1,2-Dibromoethane		1.03	U	1.03	5.06
Chlorobenzene		0.972	U	0.972	5.06
1,1,1,2-Tetrachloroethane		1.42	U	1.42	5.06
Ethylbenzene		1.03	U	1.03	5.06
m-Xylene & p-Xylene		1.54	U	1.54	10.1
Xylenes, Total		1.14	U	1.14	5.06
o-Xylene		1.14	U	1.14	5.06
Styrene		0.719	U	0.719	5.06
Bromoform		1.39	U	1.39	5.06
Isopropylbenzene		0.932	U	0.932	5.06
Bromobenzene		1.00	U	1.00	5.06
1,2,3-Trichloropropane		1.33	U	1.33	5.06
1,1,2,2-Tetrachloroethane		0.881	U	0.881	5.06

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-5-6-11122013**

Lab Sample ID: 600-82738-21
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 11/12/2013 0855
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32422.D
Dilution:	0.89			Initial Weight/Volume:	5.60 g
Analysis Date:	11/20/2013 2120			Final Weight/Volume:	5.60 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.962	U	0.962	5.06
2-Chlorotoluene		0.689	U	0.689	5.06
4-Chlorotoluene		0.841	U	0.841	5.06
1,3,5-Trimethylbenzene		1.62	U	1.62	5.06
tert-Butylbenzene		0.962	U	0.962	5.06
4-Isopropyltoluene		1.03	U	1.03	5.06
1,2,4-Trimethylbenzene		0.932	U	0.932	5.06
sec-Butylbenzene		0.709	U	0.709	5.06
1,3-Dichlorobenzene		0.719	U	0.719	5.06
1,4-Dichlorobenzene		0.668	U	0.668	5.06
1,2-Dichlorobenzene		0.810	U	0.810	5.06
n-Butylbenzene		0.587	U	0.587	5.06
1,2-Dibromo-3-Chloropropane		2.47	U	2.47	5.06
1,2,4-Trichlorobenzene		2.00	U	2.00	5.06
Hexachlorobutadiene		1.14	U	1.14	5.06
Naphthalene		2.40	U	2.40	10.1
1,2,3-Trichlorobenzene		0.628	U	0.628	5.06
Carbon disulfide		0.557	U	0.557	10.1
Acetone		1.68	U *	1.68	10.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	89		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	102		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-15-16-11122013**

Lab Sample ID: 600-82738-22
Client Matrix: Solid

% Moisture: 13.5

Date Sampled: 11/12/2013 0910
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32509.D
Dilution:	0.79			Initial Weight/Volume:	6.35 g
Analysis Date:	11/21/2013 1734			Final Weight/Volume:	6.35 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.41	U	1.41	4.57
Chloromethane		1.52	U	1.52	9.14
Vinyl chloride		0.822	U	0.822	9.14
Bromomethane		0.758	U	0.758	9.14
Chloroethane		1.28	U	1.28	9.14
Trichlorofluoromethane		0.603	U	0.603	9.14
1,1-Dichloroethene		1.11	U	1.11	4.57
trans-1,2-Dichloroethene		1.04	U	1.04	4.57
Methyl tert-butyl ether		1.67	U	1.67	4.57
Methylene Chloride		4.00	J B	2.00	9.14
cis-1,2-Dichloroethene		0.758	U	0.758	4.57
2-Butanone (MEK)		1.74	U	1.74	9.14
Bromochloromethane		1.63	U	1.63	4.57
Carbon tetrachloride		1.03	U	1.03	4.57
Benzene		3.38	J	0.576	4.57
1,2-Dichloroethane		0.822	U	0.822	4.57
Trichloroethene		1.28	U	1.28	4.57
1,1,1-Trichloroethane		0.676	U	0.676	4.57
1,1-Dichloroethane		0.795	U	0.795	4.57
1,2-Dichloropropane		0.649	U	0.649	4.57
2,2-Dichloropropane		1.66	U	1.66	4.57
Dibromomethane		0.685	U	0.685	4.57
Chloroform		0.603	U	0.603	4.57
Bromodichloromethane		0.603	U	0.603	4.57
2-Chloroethyl vinyl ether		0.895	U *	0.895	9.14
1,1-Dichloropropene		0.594	U	0.594	4.57
cis-1,3-Dichloropropene		0.493	U	0.493	4.57
Toluene		3.50	J	1.26	4.57
trans-1,3-Dichloropropene		0.530	U	0.530	4.57
1,1,2-Trichloroethane		0.667	U	0.667	36.5
Tetrachloroethene		0.649	U	0.649	4.57
1,3-Dichloropropane		0.576	U	0.576	4.57
Chlorodibromomethane		0.859	U	0.859	4.57
1,2-Dibromoethane		0.932	U	0.932	4.57
Chlorobenzene		0.877	U	0.877	4.57
1,1,1,2-Tetrachloroethane		1.28	U	1.28	4.57
Ethylbenzene		0.932	U	0.932	4.57
m-Xylene & p-Xylene		1.39	U	1.39	9.14
Xylenes, Total		1.03	U	1.03	4.57
o-Xylene		1.03	U	1.03	4.57
Styrene		0.649	U	0.649	4.57
Bromoform		1.25	U	1.25	4.57
Isopropylbenzene		0.840	U	0.840	4.57
Bromobenzene		0.904	U	0.904	4.57
1,2,3-Trichloropropane		1.20	U	1.20	4.57
1,1,2,2-Tetrachloroethane		0.795	U	0.795	4.57

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB04-15-16-11122013**

Lab Sample ID: 600-82738-22 Date Sampled: 11/12/2013 0910
Client Matrix: Solid % Moisture: 13.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32509.D
Dilution:	0.79			Initial Weight/Volume:	6.35 g
Analysis Date:	11/21/2013 1734			Final Weight/Volume:	6.35 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.868	U	0.868	4.57
2-Chlorotoluene		0.621	U	0.621	4.57
4-Chlorotoluene		0.758	U	0.758	4.57
1,3,5-Trimethylbenzene		1.46	U	1.46	4.57
tert-Butylbenzene		0.868	U	0.868	4.57
4-Isopropyltoluene		0.932	U	0.932	4.57
1,2,4-Trimethylbenzene		0.840	U	0.840	4.57
sec-Butylbenzene		0.639	U	0.639	4.57
1,3-Dichlorobenzene		0.649	U	0.649	4.57
1,4-Dichlorobenzene		0.603	U	0.603	4.57
1,2-Dichlorobenzene		0.731	U	0.731	4.57
n-Butylbenzene		0.530	U	0.530	4.57
1,2-Dibromo-3-Chloropropane		2.23	U	2.23	4.57
1,2,4-Trichlorobenzene		1.80	U	1.80	4.57
Hexachlorobutadiene		1.03	U	1.03	4.57
Naphthalene		2.17	U	2.17	9.14
1,2,3-Trichlorobenzene		0.566	U	0.566	4.57
Carbon disulfide		0.502	U	0.502	9.14
Acetone		36.8		1.52	9.14

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	78		50 - 130
Dibromofluoromethane	82		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	92		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-20-21-11122013**

Lab Sample ID: 600-82738-23
Client Matrix: Solid

% Moisture: 19.2

Date Sampled: 11/12/2013 0915
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32510.D
Dilution:	0.77			Initial Weight/Volume:	6.47 g
Analysis Date:	11/21/2013 1803			Final Weight/Volume:	6.47 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.47	U	1.47	4.76
Chloromethane		1.58	U	1.58	9.52
Vinyl chloride		0.857	U	0.857	9.52
Bromomethane		0.791	U	0.791	9.52
Chloroethane		1.33	U	1.33	9.52
Trichlorofluoromethane		0.629	U	0.629	9.52
1,1-Dichloroethene		1.16	U	1.16	4.76
trans-1,2-Dichloroethene		1.09	U	1.09	4.76
Methyl tert-butyl ether		1.74	U	1.74	4.76
Methylene Chloride		4.54	J B	2.09	9.52
cis-1,2-Dichloroethene		0.791	U	0.791	4.76
2-Butanone (MEK)		1.81	U	1.81	9.52
Bromochloromethane		1.70	U	1.70	4.76
Carbon tetrachloride		1.08	U	1.08	4.76
Benzene		4.20	J	0.600	4.76
1,2-Dichloroethane		0.857	U	0.857	4.76
Trichloroethene		1.33	U	1.33	4.76
1,1,1-Trichloroethane		0.705	U	0.705	4.76
1,1-Dichloroethane		0.829	U	0.829	4.76
1,2-Dichloropropane		0.676	U	0.676	4.76
2,2-Dichloropropane		1.73	U	1.73	4.76
Dibromomethane		0.714	U	0.714	4.76
Chloroform		0.629	U	0.629	4.76
Bromodichloromethane		0.629	U	0.629	4.76
2-Chloroethyl vinyl ether		0.933	U *	0.933	9.52
1,1-Dichloropropene		0.619	U	0.619	4.76
cis-1,3-Dichloropropene		0.514	U	0.514	4.76
Toluene		4.21	J	1.31	4.76
trans-1,3-Dichloropropene		0.552	U	0.552	4.76
1,1,2-Trichloroethane		0.695	U	0.695	38.1
Tetrachloroethene		1.80	J	0.676	4.76
1,3-Dichloropropane		0.600	U	0.600	4.76
Chlorodibromomethane		0.895	U	0.895	4.76
1,2-Dibromoethane		0.971	U	0.971	4.76
Chlorobenzene		0.914	U	0.914	4.76
1,1,1,2-Tetrachloroethane		1.33	U	1.33	4.76
Ethylbenzene		0.971	U	0.971	4.76
m-Xylene & p-Xylene		2.08	J	1.45	9.52
Xylenes, Total		2.08	J	1.08	4.76
o-Xylene		1.08	U	1.08	4.76
Styrene		0.676	U	0.676	4.76
Bromoform		1.30	U	1.30	4.76
Isopropylbenzene		0.876	U	0.876	4.76
Bromobenzene		0.943	U	0.943	4.76
1,2,3-Trichloropropane		1.25	U	1.25	4.76
1,1,2,2-Tetrachloroethane		0.829	U	0.829	4.76

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB04-20-21-11122013**

Lab Sample ID: 600-82738-23 Date Sampled: 11/12/2013 0915
Client Matrix: Solid % Moisture: 19.2 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32510.D
Dilution:	0.77			Initial Weight/Volume:	6.47 g
Analysis Date:	11/21/2013 1803			Final Weight/Volume:	6.47 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.905	U	0.905	4.76
2-Chlorotoluene		0.648	U	0.648	4.76
4-Chlorotoluene		0.791	U	0.791	4.76
1,3,5-Trimethylbenzene		1.52	U	1.52	4.76
tert-Butylbenzene		0.905	U	0.905	4.76
4-Isopropyltoluene		0.971	U	0.971	4.76
1,2,4-Trimethylbenzene		1.18	J	0.876	4.76
sec-Butylbenzene		0.667	U	0.667	4.76
1,3-Dichlorobenzene		0.676	U	0.676	4.76
1,4-Dichlorobenzene		0.629	U	0.629	4.76
1,2-Dichlorobenzene		0.762	U	0.762	4.76
n-Butylbenzene		0.552	U	0.552	4.76
1,2-Dibromo-3-Chloropropane		2.32	U	2.32	4.76
1,2,4-Trichlorobenzene		1.88	U	1.88	4.76
Hexachlorobutadiene		1.08	U	1.08	4.76
Naphthalene		2.26	U	2.26	9.52
1,2,3-Trichlorobenzene		0.590	U	0.590	4.76
Carbon disulfide		0.524	U	0.524	9.52
Acetone		45.3		1.58	9.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	84		68 - 140
4-Bromofluorobenzene	78		57 - 140
1,2-Dichloroethane-d4 (Surr)	88		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **FD04-20-21-11122013**

Lab Sample ID: 600-82738-24 Date Sampled: 11/12/2013 1000
Client Matrix: Solid % Moisture: 22.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32511.D
Dilution:	0.76			Initial Weight/Volume:	6.58 g
Analysis Date:	11/21/2013 1833			Final Weight/Volume:	6.58 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.51	U	1.51	4.89
Chloromethane		1.62	U	1.62	9.78
Vinyl chloride		0.880	U	0.880	9.78
Bromomethane		0.812	U	0.812	9.78
Chloroethane		1.37	U	1.37	9.78
Trichlorofluoromethane		0.645	U	0.645	9.78
1,1-Dichloroethene		1.19	U	1.19	4.89
trans-1,2-Dichloroethene		1.11	U	1.11	4.89
Methyl tert-butyl ether		1.79	U	1.79	4.89
Methylene Chloride		5.29	J B	2.14	9.78
cis-1,2-Dichloroethene		0.812	U	0.812	4.89
2-Butanone (MEK)		1.86	U	1.86	9.78
Bromochloromethane		1.74	U	1.74	4.89
Carbon tetrachloride		1.10	U	1.10	4.89
Benzene		3.80	J	0.616	4.89
1,2-Dichloroethane		0.880	U	0.880	4.89
Trichloroethene		1.37	U	1.37	4.89
1,1,1-Trichloroethane		0.724	U	0.724	4.89
1,1-Dichloroethane		0.851	U	0.851	4.89
1,2-Dichloropropane		0.694	U	0.694	4.89
2,2-Dichloropropane		1.78	U	1.78	4.89
Dibromomethane		0.733	U	0.733	4.89
Chloroform		0.645	U	0.645	4.89
Bromodichloromethane		0.645	U	0.645	4.89
2-Chloroethyl vinyl ether		0.958	U *	0.958	9.78
1,1-Dichloropropene		0.636	U	0.636	4.89
cis-1,3-Dichloropropene		0.528	U	0.528	4.89
Toluene		3.65	J	1.35	4.89
trans-1,3-Dichloropropene		0.567	U	0.567	4.89
1,1,2-Trichloroethane		0.714	U	0.714	39.1
Tetrachloroethene		1.30	J	0.694	4.89
1,3-Dichloropropane		0.616	U	0.616	4.89
Chlorodibromomethane		0.919	U	0.919	4.89
1,2-Dibromoethane		0.997	U	0.997	4.89
Chlorobenzene		0.939	U	0.939	4.89
1,1,1,2-Tetrachloroethane		1.37	U	1.37	4.89
Ethylbenzene		0.997	U	0.997	4.89
m-Xylene & p-Xylene		1.50	J	1.49	9.78
Xylenes, Total		1.50	J	1.10	4.89
o-Xylene		1.10	U	1.10	4.89
Styrene		0.694	U	0.694	4.89
Bromoform		1.34	U	1.34	4.89
Isopropylbenzene		0.900	U	0.900	4.89
Bromobenzene		0.968	U	0.968	4.89
1,2,3-Trichloropropane		1.28	U	1.28	4.89
1,1,2,2-Tetrachloroethane		0.851	U	0.851	4.89

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **FD04-20-21-11122013**

Lab Sample ID: 600-82738-24 Date Sampled: 11/12/2013 1000
Client Matrix: Solid % Moisture: 22.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32511.D
Dilution:	0.76			Initial Weight/Volume:	6.58 g
Analysis Date:	11/21/2013 1833			Final Weight/Volume:	6.58 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.929	U	0.929	4.89
2-Chlorotoluene		0.665	U	0.665	4.89
4-Chlorotoluene		0.812	U	0.812	4.89
1,3,5-Trimethylbenzene		1.56	U	1.56	4.89
tert-Butylbenzene		0.929	U	0.929	4.89
4-Isopropyltoluene		0.997	U	0.997	4.89
1,2,4-Trimethylbenzene		0.901	J	0.900	4.89
sec-Butylbenzene		0.684	U	0.684	4.89
1,3-Dichlorobenzene		0.694	U	0.694	4.89
1,4-Dichlorobenzene		0.645	U	0.645	4.89
1,2-Dichlorobenzene		0.782	U	0.782	4.89
n-Butylbenzene		0.567	U	0.567	4.89
1,2-Dibromo-3-Chloropropane		2.39	U	2.39	4.89
1,2,4-Trichlorobenzene		1.93	U	1.93	4.89
Hexachlorobutadiene		1.10	U	1.10	4.89
Naphthalene		2.32	U	2.32	9.78
1,2,3-Trichlorobenzene		0.606	U	0.606	4.89
Carbon disulfide		0.538	U	0.538	9.78
Acetone		52.9		1.62	9.78

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	76		50 - 130
Dibromofluoromethane	83		68 - 140
4-Bromofluorobenzene	79		57 - 140
1,2-Dichloroethane-d4 (Surr)	88		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB04-29-30-11122013**

Lab Sample ID: 600-82738-25
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 11/12/2013 1005
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32512.D
Dilution:	0.7			Initial Weight/Volume:	7.16 g
Analysis Date:	11/21/2013 1902			Final Weight/Volume:	7.16 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.31	U	1.31	4.24
Chloromethane		1.41	U	1.41	8.48
Vinyl chloride		0.763	U	0.763	8.48
Bromomethane		0.704	U	0.704	8.48
Chloroethane		1.19	U	1.19	8.48
Trichlorofluoromethane		0.560	U	0.560	8.48
1,1-Dichloroethene		1.03	U	1.03	4.24
trans-1,2-Dichloroethene		0.967	U	0.967	4.24
Methyl tert-butyl ether		1.55	U	1.55	4.24
Methylene Chloride		3.48	J B	1.86	8.48
cis-1,2-Dichloroethene		0.704	U	0.704	4.24
2-Butanone (MEK)		1.61	U	1.61	8.48
Bromochloromethane		1.51	U	1.51	4.24
Carbon tetrachloride		0.958	U	0.958	4.24
Benzene		0.534	U	0.534	4.24
1,2-Dichloroethane		0.763	U	0.763	4.24
Trichloroethene		1.19	U	1.19	4.24
1,1,1-Trichloroethane		0.628	U	0.628	4.24
1,1-Dichloroethane		0.738	U	0.738	4.24
1,2-Dichloropropane		0.602	U	0.602	4.24
2,2-Dichloropropane		1.54	U	1.54	4.24
Dibromomethane		0.636	U	0.636	4.24
Chloroform		0.560	U	0.560	4.24
Bromodichloromethane		0.560	U	0.560	4.24
2-Chloroethyl vinyl ether		0.831	U *	0.831	8.48
1,1-Dichloropropene		0.551	U	0.551	4.24
cis-1,3-Dichloropropene		0.458	U	0.458	4.24
Toluene		1.17	U	1.17	4.24
trans-1,3-Dichloropropene		0.492	U	0.492	4.24
1,1,2-Trichloroethane		0.619	U	0.619	33.9
Tetrachloroethene		0.602	U	0.602	4.24
1,3-Dichloropropane		0.534	U	0.534	4.24
Chlorodibromomethane		0.797	U	0.797	4.24
1,2-Dibromoethane		0.865	U	0.865	4.24
Chlorobenzene		0.814	U	0.814	4.24
1,1,1,2-Tetrachloroethane		1.19	U	1.19	4.24
Ethylbenzene		0.865	U	0.865	4.24
m-Xylene & p-Xylene		1.29	U	1.29	8.48
Xylenes, Total		0.958	U	0.958	4.24
o-Xylene		0.958	U	0.958	4.24
Styrene		0.602	U	0.602	4.24
Bromoform		1.16	U	1.16	4.24
Isopropylbenzene		0.780	U	0.780	4.24
Bromobenzene		0.840	U	0.840	4.24
1,2,3-Trichloropropane		1.11	U	1.11	4.24
1,1,2,2-Tetrachloroethane		0.738	U	0.738	4.24

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB04-29-30-11122013**

Lab Sample ID: 600-82738-25 Date Sampled: 11/12/2013 1005
Client Matrix: Solid % Moisture: 17.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32512.D
Dilution:	0.7			Initial Weight/Volume:	7.16 g
Analysis Date:	11/21/2013 1902			Final Weight/Volume:	7.16 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.806	U	0.806	4.24
2-Chlorotoluene		0.577	U	0.577	4.24
4-Chlorotoluene		0.704	U	0.704	4.24
1,3,5-Trimethylbenzene		1.36	U	1.36	4.24
tert-Butylbenzene		0.806	U	0.806	4.24
4-Isopropyltoluene		0.865	U	0.865	4.24
1,2,4-Trimethylbenzene		0.780	U	0.780	4.24
sec-Butylbenzene		0.594	U	0.594	4.24
1,3-Dichlorobenzene		0.602	U	0.602	4.24
1,4-Dichlorobenzene		0.560	U	0.560	4.24
1,2-Dichlorobenzene		0.678	U	0.678	4.24
n-Butylbenzene		0.492	U	0.492	4.24
1,2-Dibromo-3-Chloropropane		2.07	U	2.07	4.24
1,2,4-Trichlorobenzene		1.67	U	1.67	4.24
Hexachlorobutadiene		0.958	U	0.958	4.24
Naphthalene		2.01	U	2.01	8.48
1,2,3-Trichlorobenzene		0.526	U	0.526	4.24
Carbon disulfide		0.466	U	0.466	8.48
Acetone		7.64	J	1.41	8.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	81		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-2-3-11122013**

Lab Sample ID: 600-82738-26
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 11/12/2013 1055
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32513.D
Dilution:	0.88			Initial Weight/Volume:	5.65 g
Analysis Date:	11/21/2013 1931			Final Weight/Volume:	5.65 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.53	U	1.53	4.98
Chloromethane		1.65	U	1.65	9.96
Vinyl chloride		0.896	U	0.896	9.96
Bromomethane		0.827	U	0.827	9.96
Chloroethane		1.39	U	1.39	9.96
Trichlorofluoromethane		0.657	U	0.657	9.96
1,1-Dichloroethene		1.21	U	1.21	4.98
trans-1,2-Dichloroethene		1.14	U	1.14	4.98
Methyl tert-butyl ether		1.82	U	1.82	4.98
Methylene Chloride		3.90	J B	2.18	9.96
cis-1,2-Dichloroethene		0.827	U	0.827	4.98
2-Butanone (MEK)		1.89	U	1.89	9.96
Bromochloromethane		1.77	U	1.77	4.98
Carbon tetrachloride		1.13	U	1.13	4.98
Benzene		0.627	U	0.627	4.98
1,2-Dichloroethane		0.896	U	0.896	4.98
Trichloroethene		1.39	U	1.39	4.98
1,1,1-Trichloroethane		0.737	U	0.737	4.98
1,1-Dichloroethane		0.866	U	0.866	4.98
1,2-Dichloropropane		0.707	U	0.707	4.98
2,2-Dichloropropane		1.81	U	1.81	4.98
Dibromomethane		0.747	U	0.747	4.98
Chloroform		0.657	U	0.657	4.98
Bromodichloromethane		0.657	U	0.657	4.98
2-Chloroethyl vinyl ether		0.976	U *	0.976	9.96
1,1-Dichloropropene		0.647	U	0.647	4.98
cis-1,3-Dichloropropene		0.538	U	0.538	4.98
Toluene		1.37	U	1.37	4.98
trans-1,3-Dichloropropene		0.578	U	0.578	4.98
1,1,2-Trichloroethane		0.727	U	0.727	39.8
Tetrachloroethene		0.707	U	0.707	4.98
1,3-Dichloropropane		0.627	U	0.627	4.98
Chlorodibromomethane		0.936	U	0.936	4.98
1,2-Dibromoethane		1.02	U	1.02	4.98
Chlorobenzene		0.956	U	0.956	4.98
1,1,1,2-Tetrachloroethane		1.39	U	1.39	4.98
Ethylbenzene		1.02	U	1.02	4.98
m-Xylene & p-Xylene		1.51	U	1.51	9.96
Xylenes, Total		1.13	U	1.13	4.98
o-Xylene		1.13	U	1.13	4.98
Styrene		0.707	U	0.707	4.98
Bromoform		1.36	U	1.36	4.98
Isopropylbenzene		0.916	U	0.916	4.98
Bromobenzene		0.986	U	0.986	4.98
1,2,3-Trichloropropane		1.30	U	1.30	4.98
1,1,2,2-Tetrachloroethane		0.866	U	0.866	4.98

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-2-3-11122013**

Lab Sample ID: 600-82738-26
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 11/12/2013 1055
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	E32513.D
Dilution:	0.88			Initial Weight/Volume:	5.65 g
Analysis Date:	11/21/2013 1931			Final Weight/Volume:	5.65 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.946	U	0.946	4.98
2-Chlorotoluene		0.677	U	0.677	4.98
4-Chlorotoluene		0.827	U	0.827	4.98
1,3,5-Trimethylbenzene		1.59	U	1.59	4.98
tert-Butylbenzene		0.946	U	0.946	4.98
4-Isopropyltoluene		1.02	U	1.02	4.98
1,2,4-Trimethylbenzene		0.916	U	0.916	4.98
sec-Butylbenzene		0.697	U	0.697	4.98
1,3-Dichlorobenzene		0.707	U	0.707	4.98
1,4-Dichlorobenzene		0.657	U	0.657	4.98
1,2-Dichlorobenzene		0.797	U	0.797	4.98
n-Butylbenzene		0.578	U	0.578	4.98
1,2-Dibromo-3-Chloropropane		2.43	U	2.43	4.98
1,2,4-Trichlorobenzene		1.96	U	1.96	4.98
Hexachlorobutadiene		1.13	U	1.13	4.98
Naphthalene		2.36	U	2.36	9.96
1,2,3-Trichlorobenzene		0.617	U	0.617	4.98
Carbon disulfide		0.548	U	0.548	9.96
Acetone		7.85	J	1.65	9.96

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	81		50 - 130
Dibromofluoromethane	87		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	94		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB05-5-6-11122013**

Lab Sample ID: 600-82738-27 Date Sampled: 11/12/2013 1100
Client Matrix: Solid % Moisture: 16.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32615.D
Dilution:	0.88			Initial Weight/Volume:	5.71 g
Analysis Date:	11/22/2013 1725			Final Weight/Volume:	5.71 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.61	U *	1.61	5.24
Chloromethane		1.74	U	1.74	10.5
Vinyl chloride		0.944	U	0.944	10.5
Bromomethane		0.870	U	0.870	10.5
Chloroethane		1.47	U	1.47	10.5
Trichlorofluoromethane		0.692	U	0.692	10.5
1,1-Dichloroethene		1.28	U	1.28	5.24
trans-1,2-Dichloroethene		1.20	U	1.20	5.24
Methyl tert-butyl ether		1.92	U	1.92	5.24
Methylene Chloride		2.30	U	2.30	10.5
cis-1,2-Dichloroethene		0.870	U	0.870	5.24
2-Butanone (MEK)		1.99	U	1.99	10.5
Bromochloromethane		1.87	U	1.87	5.24
Carbon tetrachloride		1.18	U	1.18	5.24
Benzene		0.661	U	0.661	5.24
1,2-Dichloroethane		0.944	U	0.944	5.24
Trichloroethene		1.47	U *	1.47	5.24
1,1,1-Trichloroethane		0.776	U	0.776	5.24
1,1-Dichloroethane		0.912	U	0.912	5.24
1,2-Dichloropropane		0.744	U	0.744	5.24
2,2-Dichloropropane		1.91	U	1.91	5.24
Dibromomethane		0.786	U	0.786	5.24
Chloroform		0.692	U	0.692	5.24
Bromodichloromethane		0.692	U	0.692	5.24
2-Chloroethyl vinyl ether		1.03	U	1.03	10.5
1,1-Dichloropropene		0.682	U	0.682	5.24
cis-1,3-Dichloropropene		0.566	U	0.566	5.24
Toluene		1.45	U	1.45	5.24
trans-1,3-Dichloropropene		0.608	U	0.608	5.24
1,1,2-Trichloroethane		0.765	U	0.765	41.9
Tetrachloroethene		0.744	U *	0.744	5.24
1,3-Dichloropropane		0.661	U	0.661	5.24
Chlorodibromomethane		0.986	U	0.986	5.24
1,2-Dibromoethane		1.07	U	1.07	5.24
Chlorobenzene		1.01	U	1.01	5.24
1,1,1,2-Tetrachloroethane		1.47	U	1.47	5.24
Ethylbenzene		1.07	U	1.07	5.24
m-Xylene & p-Xylene		1.59	U	1.59	10.5
Xylenes, Total		1.18	U	1.18	5.24
o-Xylene		1.18	U	1.18	5.24
Styrene		0.744	U	0.744	5.24
Bromoform		1.44	U	1.44	5.24
Isopropylbenzene		0.965	U	0.965	5.24
Bromobenzene		1.04	U	1.04	5.24
1,2,3-Trichloropropane		1.37	U	1.37	5.24
1,1,2,2-Tetrachloroethane		0.912	U	0.912	5.24

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-5-6-11122013**

Lab Sample ID: 600-82738-27
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 11/12/2013 1100
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32615.D
Dilution:	0.88			Initial Weight/Volume:	5.71 g
Analysis Date:	11/22/2013 1725			Final Weight/Volume:	5.71 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.996	U	0.996	5.24
2-Chlorotoluene		0.713	U	0.713	5.24
4-Chlorotoluene		0.870	U	0.870	5.24
1,3,5-Trimethylbenzene		1.68	U	1.68	5.24
tert-Butylbenzene		0.996	U	0.996	5.24
4-Isopropyltoluene		1.07	U	1.07	5.24
1,2,4-Trimethylbenzene		0.965	U	0.965	5.24
sec-Butylbenzene		0.734	U	0.734	5.24
1,3-Dichlorobenzene		0.744	U	0.744	5.24
1,4-Dichlorobenzene		0.692	U	0.692	5.24
1,2-Dichlorobenzene		0.839	U	0.839	5.24
n-Butylbenzene		0.608	U	0.608	5.24
1,2-Dibromo-3-Chloropropane		2.56	U *	2.56	5.24
1,2,4-Trichlorobenzene		2.07	U	2.07	5.24
Hexachlorobutadiene		1.18	U	1.18	5.24
Naphthalene		2.53	J B	2.48	10.5
1,2,3-Trichlorobenzene		0.650	U	0.650	5.24
Carbon disulfide		0.577	U	0.577	10.5
Acetone		45.5		1.74	10.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	101		50 - 130
Dibromofluoromethane	106		68 - 140
4-Bromofluorobenzene	87		57 - 140
1,2-Dichloroethane-d4 (Surr)	114		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-11-12-11122013**

Lab Sample ID: 600-82738-28
Client Matrix: Solid

% Moisture: 11.5

Date Sampled: 11/12/2013 1125
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32816.D
Dilution:	0.79			Initial Weight/Volume:	6.36 g
Analysis Date:	11/24/2013 1903			Final Weight/Volume:	6.36 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.38	U	1.38	4.47
Chloromethane		1.48	U	1.48	8.93
Vinyl chloride		0.804	U	0.804	8.93
Bromomethane		0.741	U	0.741	8.93
Chloroethane		1.25	U	1.25	8.93
Trichlorofluoromethane		0.589	U	0.589	8.93
1,1-Dichloroethene		1.09	U	1.09	4.47
trans-1,2-Dichloroethene		1.02	U	1.02	4.47
Methyl tert-butyl ether		1.63	U	1.63	4.47
Methylene Chloride		1.96	U	1.96	8.93
cis-1,2-Dichloroethene		0.741	U	0.741	4.47
2-Butanone (MEK)		1.70	U	1.70	8.93
Bromochloromethane		1.59	U	1.59	4.47
Carbon tetrachloride		1.01	U	1.01	4.47
Benzene		5.00		0.563	4.47
1,2-Dichloroethane		0.804	U	0.804	4.47
Trichloroethene		1.25	U	1.25	4.47
1,1,1-Trichloroethane		0.661	U	0.661	4.47
1,1-Dichloroethane		0.777	U	0.777	4.47
1,2-Dichloropropane		0.634	U	0.634	4.47
2,2-Dichloropropane		1.63	U	1.63	4.47
Dibromomethane		0.670	U	0.670	4.47
Chloroform		0.589	U	0.589	4.47
Bromodichloromethane		0.589	U	0.589	4.47
2-Chloroethyl vinyl ether		0.875	U	0.875	8.93
1,1-Dichloropropene		0.581	U	0.581	4.47
cis-1,3-Dichloropropene		0.482	U	0.482	4.47
Toluene		4.61		1.23	4.47
trans-1,3-Dichloropropene		0.518	U	0.518	4.47
1,1,2-Trichloroethane		0.652	U	0.652	35.7
Tetrachloroethene		0.634	U *	0.634	4.47
1,3-Dichloropropane		0.563	U	0.563	4.47
Chlorodibromomethane		0.840	U	0.840	4.47
1,2-Dibromoethane		0.911	U	0.911	4.47
Chlorobenzene		0.857	U	0.857	4.47
1,1,1,2-Tetrachloroethane		1.25	U	1.25	4.47
Ethylbenzene		1.20	J	0.911	4.47
m-Xylene & p-Xylene		2.28	J	1.36	8.93
Xylenes, Total		2.28	J	1.01	4.47
o-Xylene		1.01	U	1.01	4.47
Styrene		0.634	U	0.634	4.47
Bromoform		1.22	U	1.22	4.47
Isopropylbenzene		0.822	U	0.822	4.47
Bromobenzene		0.884	U	0.884	4.47
1,2,3-Trichloropropane		1.17	U	1.17	4.47
1,1,2,2-Tetrachloroethane		0.777	U	0.777	4.47

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB05-11-12-11122013**

Lab Sample ID: 600-82738-28 Date Sampled: 11/12/2013 1125
Client Matrix: Solid % Moisture: 11.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32816.D
Dilution:	0.79			Initial Weight/Volume:	6.36 g
Analysis Date:	11/24/2013 1903			Final Weight/Volume:	6.36 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.848	U	0.848	4.47
2-Chlorotoluene		0.607	U	0.607	4.47
4-Chlorotoluene		0.741	U	0.741	4.47
1,3,5-Trimethylbenzene		1.43	U	1.43	4.47
tert-Butylbenzene		0.848	U	0.848	4.47
4-Isopropyltoluene		0.911	U	0.911	4.47
1,2,4-Trimethylbenzene		0.961	J	0.822	4.47
sec-Butylbenzene		0.625	U	0.625	4.47
1,3-Dichlorobenzene		0.634	U	0.634	4.47
1,4-Dichlorobenzene		0.589	U	0.589	4.47
1,2-Dichlorobenzene		0.715	U	0.715	4.47
n-Butylbenzene		0.518	U	0.518	4.47
1,2-Dibromo-3-Chloropropane		2.18	U	2.18	4.47
1,2,4-Trichlorobenzene		1.76	U	1.76	4.47
Hexachlorobutadiene		1.01	U	1.01	4.47
Naphthalene		2.12	U	2.12	8.93
1,2,3-Trichlorobenzene		0.554	U	0.554	4.47
Carbon disulfide		0.491	U	0.491	8.93
Acetone		1.48	U	1.48	8.93

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		50 - 130
Dibromofluoromethane	122		68 - 140
4-Bromofluorobenzene	101		57 - 140
1,2-Dichloroethane-d4 (Surr)	127		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-18-19-11122013**

Lab Sample ID: 600-82738-29
Client Matrix: Solid

% Moisture: 21.8

Date Sampled: 11/12/2013 1135
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32609.D
Dilution:	0.8			Initial Weight/Volume:	6.24 g
Analysis Date:	11/22/2013 1408			Final Weight/Volume:	6.24 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.57	U *	1.57	5.11
Chloromethane		1.70	U	1.70	10.2
Vinyl chloride		0.920	U	0.920	10.2
Bromomethane		0.849	U	0.849	10.2
Chloroethane		1.43	U	1.43	10.2
Trichlorofluoromethane		0.675	U	0.675	10.2
1,1-Dichloroethene		1.25	U	1.25	5.11
trans-1,2-Dichloroethene		1.17	U	1.17	5.11
Methyl tert-butyl ether		1.87	U	1.87	5.11
Methylene Chloride		2.24	U	2.24	10.2
cis-1,2-Dichloroethene		0.849	U	0.849	5.11
2-Butanone (MEK)		1.94	U	1.94	10.2
Bromochloromethane		1.82	U	1.82	5.11
Carbon tetrachloride		1.16	U	1.16	5.11
Benzene		0.644	U	0.644	5.11
1,2-Dichloroethane		0.920	U	0.920	5.11
Trichloroethene		1.43	U *	1.43	5.11
1,1,1-Trichloroethane		0.757	U	0.757	5.11
1,1-Dichloroethane		0.890	U	0.890	5.11
1,2-Dichloropropane		0.726	U	0.726	5.11
2,2-Dichloropropane		1.86	U	1.86	5.11
Dibromomethane		0.767	U	0.767	5.11
Chloroform		0.675	U	0.675	5.11
Bromodichloromethane		0.675	U	0.675	5.11
2-Chloroethyl vinyl ether		1.00	U	1.00	10.2
1,1-Dichloropropene		0.665	U	0.665	5.11
cis-1,3-Dichloropropene		0.552	U	0.552	5.11
Toluene		1.41	U	1.41	5.11
trans-1,3-Dichloropropene		0.593	U	0.593	5.11
1,1,2-Trichloroethane		0.746	U	0.746	40.9
Tetrachloroethene		0.726	U *	0.726	5.11
1,3-Dichloropropane		0.644	U	0.644	5.11
Chlorodibromomethane		0.961	U	0.961	5.11
1,2-Dibromoethane		1.04	U	1.04	5.11
Chlorobenzene		0.982	U	0.982	5.11
1,1,1,2-Tetrachloroethane		1.43	U	1.43	5.11
Ethylbenzene		1.04	U	1.04	5.11
m-Xylene & p-Xylene		1.55	U	1.55	10.2
Xylenes, Total		1.16	U	1.16	5.11
o-Xylene		1.16	U	1.16	5.11
Styrene		0.726	U	0.726	5.11
Bromoform		1.40	U	1.40	5.11
Isopropylbenzene		0.941	U	0.941	5.11
Bromobenzene		1.01	U	1.01	5.11
1,2,3-Trichloropropane		1.34	U	1.34	5.11
1,1,2,2-Tetrachloroethane		0.890	U	0.890	5.11

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB05-18-19-11122013**

Lab Sample ID: 600-82738-29
Client Matrix: Solid
% Moisture: 21.8

Date Sampled: 11/12/2013 1135
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32609.D
Dilution:	0.8			Initial Weight/Volume:	6.24 g
Analysis Date:	11/22/2013 1408			Final Weight/Volume:	6.24 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.971	U	0.971	5.11
2-Chlorotoluene		0.695	U	0.695	5.11
4-Chlorotoluene		0.849	U	0.849	5.11
1,3,5-Trimethylbenzene		1.64	U	1.64	5.11
tert-Butylbenzene		0.971	U	0.971	5.11
4-Isopropyltoluene		1.04	U	1.04	5.11
1,2,4-Trimethylbenzene		0.941	U	0.941	5.11
sec-Butylbenzene		0.716	U	0.716	5.11
1,3-Dichlorobenzene		0.726	U	0.726	5.11
1,4-Dichlorobenzene		0.675	U	0.675	5.11
1,2-Dichlorobenzene		0.818	U	0.818	5.11
n-Butylbenzene		0.593	U	0.593	5.11
1,2-Dibromo-3-Chloropropane		2.50	U *	2.50	5.11
1,2,4-Trichlorobenzene		2.01	U	2.01	5.11
Hexachlorobutadiene		1.16	U	1.16	5.11
Naphthalene		2.42	U	2.42	10.2
1,2,3-Trichlorobenzene		0.634	U	0.634	5.11
Carbon disulfide		0.562	U	0.562	10.2
Acetone		19.9		1.70	10.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		50 - 130
Dibromofluoromethane	103		68 - 140
4-Bromofluorobenzene	87		57 - 140
1,2-Dichloroethane-d4 (Surr)	106		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB05-25-26-11122013**

Lab Sample ID: 600-82738-30 Date Sampled: 11/12/2013 1140
Client Matrix: Solid % Moisture: 25.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32613.D
Dilution:	0.8			Initial Weight/Volume:	6.25 g
Analysis Date:	11/22/2013 1636			Final Weight/Volume:	6.25 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.64	U *	1.64	5.34
Chloromethane		1.77	U	1.77	10.7
Vinyl chloride		0.961	U	0.961	10.7
Bromomethane		0.886	U	0.886	10.7
Chloroethane		1.49	U	1.49	10.7
Trichlorofluoromethane		0.705	U	0.705	10.7
1,1-Dichloroethene		1.30	U	1.30	5.34
trans-1,2-Dichloroethene		1.22	U	1.22	5.34
Methyl tert-butyl ether		1.95	U	1.95	5.34
Methylene Chloride		2.34	U	2.34	10.7
cis-1,2-Dichloroethene		0.886	U	0.886	5.34
2-Butanone (MEK)		7.44	J	2.03	10.7
Bromochloromethane		1.90	U	1.90	5.34
Carbon tetrachloride		1.21	U	1.21	5.34
Benzene		1.73	J	0.673	5.34
1,2-Dichloroethane		0.961	U	0.961	5.34
Trichloroethene		1.49	U *	1.49	5.34
1,1,1-Trichloroethane		0.790	U	0.790	5.34
1,1-Dichloroethane		0.929	U	0.929	5.34
1,2-Dichloropropane		0.758	U	0.758	5.34
2,2-Dichloropropane		1.94	U	1.94	5.34
Dibromomethane		0.801	U	0.801	5.34
Chloroform		0.705	U	0.705	5.34
Bromodichloromethane		0.705	U	0.705	5.34
2-Chloroethyl vinyl ether		1.05	U	1.05	10.7
1,1-Dichloropropene		0.694	U	0.694	5.34
cis-1,3-Dichloropropene		0.577	U	0.577	5.34
Toluene		1.65	J	1.47	5.34
trans-1,3-Dichloropropene		0.619	U	0.619	5.34
1,1,2-Trichloroethane		0.779	U	0.779	42.7
Tetrachloroethene		0.758	U *	0.758	5.34
1,3-Dichloropropane		0.673	U	0.673	5.34
Chlorodibromomethane		1.00	U	1.00	5.34
1,2-Dibromoethane		1.09	U	1.09	5.34
Chlorobenzene		1.03	U	1.03	5.34
1,1,1,2-Tetrachloroethane		1.49	U	1.49	5.34
Ethylbenzene		1.09	U	1.09	5.34
m-Xylene & p-Xylene		1.62	U	1.62	10.7
Xylenes, Total		1.21	U	1.21	5.34
o-Xylene		1.21	U	1.21	5.34
Styrene		0.758	U	0.758	5.34
Bromoform		1.46	U	1.46	5.34
Isopropylbenzene		0.982	U	0.982	5.34
Bromobenzene		1.06	U	1.06	5.34
1,2,3-Trichloropropane		1.40	U	1.40	5.34
1,1,2,2-Tetrachloroethane		0.929	U	0.929	5.34

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB05-25-26-11122013**

Lab Sample ID: 600-82738-30 Date Sampled: 11/12/2013 1140
Client Matrix: Solid % Moisture: 25.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32613.D
Dilution:	0.8			Initial Weight/Volume:	6.25 g
Analysis Date:	11/22/2013 1636			Final Weight/Volume:	6.25 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.01	U	1.01	5.34
2-Chlorotoluene		0.726	U	0.726	5.34
4-Chlorotoluene		0.886	U	0.886	5.34
1,3,5-Trimethylbenzene		1.71	U	1.71	5.34
tert-Butylbenzene		1.01	U	1.01	5.34
4-Isopropyltoluene		1.09	U	1.09	5.34
1,2,4-Trimethylbenzene		0.982	U	0.982	5.34
sec-Butylbenzene		0.747	U	0.747	5.34
1,3-Dichlorobenzene		0.758	U	0.758	5.34
1,4-Dichlorobenzene		0.705	U	0.705	5.34
1,2-Dichlorobenzene		0.854	U	0.854	5.34
n-Butylbenzene		0.619	U	0.619	5.34
1,2-Dibromo-3-Chloropropane		2.61	U *	2.61	5.34
1,2,4-Trichlorobenzene		2.10	U	2.10	5.34
Hexachlorobutadiene		1.21	U	1.21	5.34
Naphthalene		2.55	J B	2.53	10.7
1,2,3-Trichlorobenzene		0.662	U	0.662	5.34
Carbon disulfide		0.587	U	0.587	10.7
Acetone		126		1.77	10.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		50 - 130
Dibromofluoromethane	105		68 - 140
4-Bromofluorobenzene	102		57 - 140
1,2-Dichloroethane-d4 (Surr)	116		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-2-3-11122013**

Lab Sample ID: 600-82738-32 Date Sampled: 11/12/2013 1230
Client Matrix: Solid % Moisture: 14.2 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32817.D
Dilution:	0.9			Initial Weight/Volume:	5.55 g
Analysis Date:	11/24/2013 1927			Final Weight/Volume:	5.55 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.62	U	1.62	5.24
Chloromethane		1.74	U	1.74	10.5
Vinyl chloride		0.944	U	0.944	10.5
Bromomethane		0.871	U	0.871	10.5
Chloroethane		1.47	U	1.47	10.5
Trichlorofluoromethane		0.692	U	0.692	10.5
1,1-Dichloroethene		1.28	U	1.28	5.24
trans-1,2-Dichloroethene		1.20	U	1.20	5.24
Methyl tert-butyl ether		1.92	U	1.92	5.24
Methylene Chloride		2.30	U	2.30	10.5
cis-1,2-Dichloroethene		0.871	U	0.871	5.24
2-Butanone (MEK)		1.99	U	1.99	10.5
Bromochloromethane		1.87	U	1.87	5.24
Carbon tetrachloride		1.19	U	1.19	5.24
Benzene		0.661	U	0.661	5.24
1,2-Dichloroethane		0.944	U	0.944	5.24
Trichloroethene		1.47	U	1.47	5.24
1,1,1-Trichloroethane		0.776	U	0.776	5.24
1,1-Dichloroethane		0.912	U	0.912	5.24
1,2-Dichloropropane		0.745	U	0.745	5.24
2,2-Dichloropropane		1.91	U	1.91	5.24
Dibromomethane		0.787	U	0.787	5.24
Chloroform		0.692	U	0.692	5.24
Bromodichloromethane		0.692	U	0.692	5.24
2-Chloroethyl vinyl ether		1.03	U	1.03	10.5
1,1-Dichloropropene		0.682	U	0.682	5.24
cis-1,3-Dichloropropene		0.566	U	0.566	5.24
Toluene		1.45	U	1.45	5.24
trans-1,3-Dichloropropene		0.608	U	0.608	5.24
1,1,2-Trichloroethane		0.766	U	0.766	42.0
Tetrachloroethene		0.745	U *	0.745	5.24
1,3-Dichloropropane		0.661	U	0.661	5.24
Chlorodibromomethane		0.986	U	0.986	5.24
1,2-Dibromoethane		1.07	U	1.07	5.24
Chlorobenzene		1.01	U	1.01	5.24
1,1,1,2-Tetrachloroethane		1.47	U	1.47	5.24
Ethylbenzene		1.07	U	1.07	5.24
m-Xylene & p-Xylene		1.59	U	1.59	10.5
Xylenes, Total		1.19	U	1.19	5.24
o-Xylene		1.19	U	1.19	5.24
Styrene		0.745	U	0.745	5.24
Bromoform		1.44	U	1.44	5.24
Isopropylbenzene		0.965	U	0.965	5.24
Bromobenzene		1.04	U	1.04	5.24
1,2,3-Trichloropropane		1.37	U	1.37	5.24
1,1,2,2-Tetrachloroethane		0.912	U	0.912	5.24

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-2-3-11122013**

Lab Sample ID: 600-82738-32 Date Sampled: 11/12/2013 1230
Client Matrix: Solid % Moisture: 14.2 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32817.D
Dilution:	0.9			Initial Weight/Volume:	5.55 g
Analysis Date:	11/24/2013 1927			Final Weight/Volume:	5.55 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.996	U	0.996	5.24
2-Chlorotoluene		0.713	U	0.713	5.24
4-Chlorotoluene		0.871	U	0.871	5.24
1,3,5-Trimethylbenzene		1.68	U	1.68	5.24
tert-Butylbenzene		0.996	U	0.996	5.24
4-Isopropyltoluene		1.07	U	1.07	5.24
1,2,4-Trimethylbenzene		0.965	U	0.965	5.24
sec-Butylbenzene		0.734	U	0.734	5.24
1,3-Dichlorobenzene		0.745	U	0.745	5.24
1,4-Dichlorobenzene		0.692	U	0.692	5.24
1,2-Dichlorobenzene		0.839	U	0.839	5.24
n-Butylbenzene		0.608	U	0.608	5.24
1,2-Dibromo-3-Chloropropane		2.56	U	2.56	5.24
1,2,4-Trichlorobenzene		2.07	U	2.07	5.24
Hexachlorobutadiene		1.19	U	1.19	5.24
Naphthalene		2.49	U	2.49	10.5
1,2,3-Trichlorobenzene		0.650	U	0.650	5.24
Carbon disulfide		0.577	U	0.577	10.5
Acetone		19.2		1.74	10.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	110		50 - 130
Dibromofluoromethane	127		68 - 140
4-Bromofluorobenzene	102		57 - 140
1,2-Dichloroethane-d4 (Surr)	129		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-5-6-11122013**

Lab Sample ID: 600-82738-33 Date Sampled: 11/12/2013 1235
Client Matrix: Solid % Moisture: 12.7 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32818.D
Dilution:	0.81			Initial Weight/Volume:	6.21 g
Analysis Date:	11/24/2013 1951			Final Weight/Volume:	6.21 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.43	U	1.43	4.64
Chloromethane		1.54	U	1.54	9.28
Vinyl chloride		0.835	U	0.835	9.28
Bromomethane		0.770	U	0.770	9.28
Chloroethane		1.30	U	1.30	9.28
Trichlorofluoromethane		0.613	U	0.613	9.28
1,1-Dichloroethene		1.13	U	1.13	4.64
trans-1,2-Dichloroethene		1.06	U	1.06	4.64
Methyl tert-butyl ether		1.70	U	1.70	4.64
Methylene Chloride		2.03	U	2.03	9.28
cis-1,2-Dichloroethene		0.770	U	0.770	4.64
2-Butanone (MEK)		1.76	U	1.76	9.28
Bromochloromethane		1.65	U	1.65	4.64
Carbon tetrachloride		1.05	U	1.05	4.64
Benzene		0.585	U	0.585	4.64
1,2-Dichloroethane		0.835	U	0.835	4.64
Trichloroethene		1.30	U	1.30	4.64
1,1,1-Trichloroethane		0.687	U	0.687	4.64
1,1-Dichloroethane		0.807	U	0.807	4.64
1,2-Dichloropropane		0.659	U	0.659	4.64
2,2-Dichloropropane		1.69	U	1.69	4.64
Dibromomethane		0.696	U	0.696	4.64
Chloroform		0.613	U	0.613	4.64
Bromodichloromethane		0.613	U	0.613	4.64
2-Chloroethyl vinyl ether		0.910	U	0.910	9.28
1,1-Dichloropropene		0.603	U	0.603	4.64
cis-1,3-Dichloropropene		0.501	U	0.501	4.64
Toluene		1.28	U	1.28	4.64
trans-1,3-Dichloropropene		0.538	U	0.538	4.64
1,1,2-Trichloroethane		0.678	U	0.678	37.1
Tetrachloroethene		0.659	U *	0.659	4.64
1,3-Dichloropropane		0.585	U	0.585	4.64
Chlorodibromomethane		0.872	U	0.872	4.64
1,2-Dibromoethane		0.947	U	0.947	4.64
Chlorobenzene		0.891	U	0.891	4.64
1,1,1,2-Tetrachloroethane		1.30	U	1.30	4.64
Ethylbenzene		0.947	U	0.947	4.64
m-Xylene & p-Xylene		1.41	U	1.41	9.28
Xylenes, Total		1.05	U	1.05	4.64
o-Xylene		1.05	U	1.05	4.64
Styrene		0.659	U	0.659	4.64
Bromoform		1.27	U	1.27	4.64
Isopropylbenzene		0.854	U	0.854	4.64
Bromobenzene		0.919	U	0.919	4.64
1,2,3-Trichloropropane		1.22	U	1.22	4.64
1,1,2,2-Tetrachloroethane		0.807	U	0.807	4.64

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-5-6-11122013**

Lab Sample ID: 600-82738-33 Date Sampled: 11/12/2013 1235
Client Matrix: Solid % Moisture: 12.7 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32818.D
Dilution:	0.81			Initial Weight/Volume:	6.21 g
Analysis Date:	11/24/2013 1951			Final Weight/Volume:	6.21 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.882	U	0.882	4.64
2-Chlorotoluene		0.631	U	0.631	4.64
4-Chlorotoluene		0.770	U	0.770	4.64
1,3,5-Trimethylbenzene		1.49	U	1.49	4.64
tert-Butylbenzene		0.882	U	0.882	4.64
4-Isopropyltoluene		0.947	U	0.947	4.64
1,2,4-Trimethylbenzene		0.854	U	0.854	4.64
sec-Butylbenzene		0.650	U	0.650	4.64
1,3-Dichlorobenzene		0.659	U	0.659	4.64
1,4-Dichlorobenzene		0.613	U	0.613	4.64
1,2-Dichlorobenzene		0.743	U	0.743	4.64
n-Butylbenzene		0.538	U	0.538	4.64
1,2-Dibromo-3-Chloropropane		2.26	U	2.26	4.64
1,2,4-Trichlorobenzene		1.83	U	1.83	4.64
Hexachlorobutadiene		1.05	U	1.05	4.64
Naphthalene		2.20	U	2.20	9.28
1,2,3-Trichlorobenzene		0.575	U	0.575	4.64
Carbon disulfide		0.510	U	0.510	9.28
Acetone		1.54	U	1.54	9.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		50 - 130
Dibromofluoromethane	126		68 - 140
4-Bromofluorobenzene	96		57 - 140
1,2-Dichloroethane-d4 (Surr)	127		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB06-11-12-11122013**

Lab Sample ID: 600-82738-34
Client Matrix: Solid

% Moisture: 20.1

Date Sampled: 11/12/2013 1305
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32619.D
Dilution:	0.84			Initial Weight/Volume:	5.97 g
Analysis Date:	11/22/2013 1904			Final Weight/Volume:	5.97 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.62	U *	1.62	5.25
Chloromethane		1.74	U	1.74	10.5
Vinyl chloride		0.946	U	0.946	10.5
Bromomethane		0.872	U	0.872	10.5
Chloroethane		1.47	U	1.47	10.5
Trichlorofluoromethane		0.694	U	0.694	10.5
1,1-Dichloroethene		1.28	U	1.28	5.25
trans-1,2-Dichloroethene		1.20	U	1.20	5.25
Methyl tert-butyl ether		1.92	U	1.92	5.25
Methylene Chloride		2.30	U	2.30	10.5
cis-1,2-Dichloroethene		0.872	U	0.872	5.25
2-Butanone (MEK)		2.00	U	2.00	10.5
Bromochloromethane		1.87	U	1.87	5.25
Carbon tetrachloride		1.19	U	1.19	5.25
Benzene		1.60	J	0.662	5.25
1,2-Dichloroethane		0.946	U	0.946	5.25
Trichloroethene		1.47	U *	1.47	5.25
1,1,1-Trichloroethane		0.778	U	0.778	5.25
1,1-Dichloroethane		0.914	U	0.914	5.25
1,2-Dichloropropane		0.746	U	0.746	5.25
2,2-Dichloropropane		1.91	U	1.91	5.25
Dibromomethane		0.788	U	0.788	5.25
Chloroform		0.694	U	0.694	5.25
Bromodichloromethane		0.694	U	0.694	5.25
2-Chloroethyl vinyl ether		1.03	U	1.03	10.5
1,1-Dichloropropene		0.683	U	0.683	5.25
cis-1,3-Dichloropropene		0.567	U	0.567	5.25
Toluene		1.45	U	1.45	5.25
trans-1,3-Dichloropropene		0.609	U	0.609	5.25
1,1,2-Trichloroethane		0.767	U	0.767	42.0
Tetrachloroethene		0.746	U *	0.746	5.25
1,3-Dichloropropane		0.662	U	0.662	5.25
Chlorodibromomethane		0.988	U	0.988	5.25
1,2-Dibromoethane		1.07	U	1.07	5.25
Chlorobenzene		1.01	U	1.01	5.25
1,1,1,2-Tetrachloroethane		1.47	U	1.47	5.25
Ethylbenzene		1.07	U	1.07	5.25
m-Xylene & p-Xylene		1.60	U	1.60	10.5
Xylenes, Total		1.19	U	1.19	5.25
o-Xylene		1.19	U	1.19	5.25
Styrene		0.746	U	0.746	5.25
Bromoform		1.44	U	1.44	5.25
Isopropylbenzene		0.967	U	0.967	5.25
Bromobenzene		1.04	U	1.04	5.25
1,2,3-Trichloropropane		1.38	U	1.38	5.25
1,1,2,2-Tetrachloroethane		0.914	U	0.914	5.25

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-11-12-11122013**

Lab Sample ID: 600-82738-34 Date Sampled: 11/12/2013 1305
Client Matrix: Solid % Moisture: 20.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32619.D
Dilution:	0.84			Initial Weight/Volume:	5.97 g
Analysis Date:	11/22/2013 1904			Final Weight/Volume:	5.97 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.998	U	0.998	5.25
2-Chlorotoluene		0.715	U	0.715	5.25
4-Chlorotoluene		0.872	U	0.872	5.25
1,3,5-Trimethylbenzene		1.68	U	1.68	5.25
tert-Butylbenzene		0.998	U	0.998	5.25
4-Isopropyltoluene		1.07	U	1.07	5.25
1,2,4-Trimethylbenzene		0.967	U	0.967	5.25
sec-Butylbenzene		0.736	U	0.736	5.25
1,3-Dichlorobenzene		0.746	U	0.746	5.25
1,4-Dichlorobenzene		0.694	U	0.694	5.25
1,2-Dichlorobenzene		0.841	U	0.841	5.25
n-Butylbenzene		0.609	U	0.609	5.25
1,2-Dibromo-3-Chloropropane		2.56	U *	2.56	5.25
1,2,4-Trichlorobenzene		2.07	U	2.07	5.25
Hexachlorobutadiene		1.19	U	1.19	5.25
Naphthalene		2.49	U	2.49	10.5
1,2,3-Trichlorobenzene		0.652	U	0.652	5.25
Carbon disulfide		0.578	U	0.578	10.5
Acetone		12.1		1.74	10.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	110		68 - 140
4-Bromofluorobenzene	87		57 - 140
1,2-Dichloroethane-d4 (Surr)	124		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-16-17-11122013**

Lab Sample ID: 600-82738-35 Date Sampled: 11/12/2013 1320
Client Matrix: Solid % Moisture: 21.8 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32620.D
Dilution:	0.78			Initial Weight/Volume:	6.38 g
Analysis Date:	11/22/2013 1928			Final Weight/Volume:	6.38 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.54	U *	1.54	4.99
Chloromethane		1.66	U	1.66	9.98
Vinyl chloride		0.898	U	0.898	9.98
Bromomethane		0.828	U	0.828	9.98
Chloroethane		1.40	U	1.40	9.98
Trichlorofluoromethane		0.659	U	0.659	9.98
1,1-Dichloroethene		1.22	U	1.22	4.99
trans-1,2-Dichloroethene		1.14	U	1.14	4.99
Methyl tert-butyl ether		1.83	U	1.83	4.99
Methylene Chloride		2.19	U	2.19	9.98
cis-1,2-Dichloroethene		0.828	U	0.828	4.99
2-Butanone (MEK)		1.90	U	1.90	9.98
Bromochloromethane		1.78	U	1.78	4.99
Carbon tetrachloride		1.13	U	1.13	4.99
Benzene		2.27	J	0.629	4.99
1,2-Dichloroethane		0.898	U	0.898	4.99
Trichloroethene		1.40	U *	1.40	4.99
1,1,1-Trichloroethane		0.738	U	0.738	4.99
1,1-Dichloroethane		0.868	U	0.868	4.99
1,2-Dichloropropane		0.708	U	0.708	4.99
2,2-Dichloropropane		1.82	U	1.82	4.99
Dibromomethane		0.748	U	0.748	4.99
Chloroform		0.659	U	0.659	4.99
Bromodichloromethane		0.659	U	0.659	4.99
2-Chloroethyl vinyl ether		0.978	U	0.978	9.98
1,1-Dichloropropene		0.649	U	0.649	4.99
cis-1,3-Dichloropropene		0.539	U	0.539	4.99
Toluene		2.41	J	1.38	4.99
trans-1,3-Dichloropropene		0.579	U	0.579	4.99
1,1,2-Trichloroethane		0.728	U	0.728	39.9
Tetrachloroethene		0.708	U *	0.708	4.99
1,3-Dichloropropane		0.629	U	0.629	4.99
Chlorodibromomethane		0.938	U	0.938	4.99
1,2-Dibromoethane		1.02	U	1.02	4.99
Chlorobenzene		0.958	U	0.958	4.99
1,1,1,2-Tetrachloroethane		1.40	U	1.40	4.99
Ethylbenzene		1.02	U	1.02	4.99
m-Xylene & p-Xylene		1.65	J	1.52	9.98
Xylenes, Total		1.65	J	1.13	4.99
o-Xylene		1.13	U	1.13	4.99
Styrene		0.708	U	0.708	4.99
Bromoform		1.37	U	1.37	4.99
Isopropylbenzene		0.918	U	0.918	4.99
Bromobenzene		0.988	U	0.988	4.99
1,2,3-Trichloropropane		1.31	U	1.31	4.99
1,1,2,2-Tetrachloroethane		0.868	U	0.868	4.99

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-16-17-11122013**

Lab Sample ID: 600-82738-35 Date Sampled: 11/12/2013 1320
Client Matrix: Solid % Moisture: 21.8 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32620.D
Dilution:	0.78			Initial Weight/Volume:	6.38 g
Analysis Date:	11/22/2013 1928			Final Weight/Volume:	6.38 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.948	U	0.948	4.99
2-Chlorotoluene		0.679	U	0.679	4.99
4-Chlorotoluene		0.828	U	0.828	4.99
1,3,5-Trimethylbenzene		1.60	U	1.60	4.99
tert-Butylbenzene		0.948	U	0.948	4.99
4-Isopropyltoluene		1.02	U	1.02	4.99
1,2,4-Trimethylbenzene		1.10	J	0.918	4.99
sec-Butylbenzene		0.698	U	0.698	4.99
1,3-Dichlorobenzene		0.708	U	0.708	4.99
1,4-Dichlorobenzene		0.659	U	0.659	4.99
1,2-Dichlorobenzene		0.798	U	0.798	4.99
n-Butylbenzene		0.579	U	0.579	4.99
1,2-Dibromo-3-Chloropropane		2.43	U *	2.43	4.99
1,2,4-Trichlorobenzene		1.97	U	1.97	4.99
Hexachlorobutadiene		1.13	U	1.13	4.99
Naphthalene		2.36	U	2.36	9.98
1,2,3-Trichlorobenzene		0.619	U	0.619	4.99
Carbon disulfide		0.549	U	0.549	9.98
Acetone		50.9		1.66	9.98

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	88		50 - 130
Dibromofluoromethane	104		68 - 140
4-Bromofluorobenzene	99		57 - 140
1,2-Dichloroethane-d4 (Surr)	122		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB06-21-22-11122013**

Lab Sample ID: 600-82738-36 Date Sampled: 11/12/2013 1333
Client Matrix: Solid % Moisture: 20.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32517.D
Dilution:	0.71			Initial Weight/Volume:	7.00 g
Analysis Date:	11/21/2013 1651			Final Weight/Volume:	7.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.37	U	1.37	4.46
Chloromethane		1.48	U	1.48	8.93
Vinyl chloride		0.803	U	0.803	8.93
Bromomethane		0.741	U	0.741	8.93
Chloroethane		1.25	U	1.25	8.93
Trichlorofluoromethane		0.589	U	0.589	8.93
1,1-Dichloroethene		1.09	U	1.09	4.46
trans-1,2-Dichloroethene		1.02	U	1.02	4.46
Methyl tert-butyl ether		1.63	U	1.63	4.46
Methylene Chloride		1.95	U	1.95	8.93
cis-1,2-Dichloroethene		0.741	U	0.741	4.46
2-Butanone (MEK)		4.12	J	1.70	8.93
Bromochloromethane		1.59	U	1.59	4.46
Carbon tetrachloride		1.01	U	1.01	4.46
Benzene		1.76	J	0.562	4.46
1,2-Dichloroethane		0.803	U	0.803	4.46
Trichloroethene		1.25	U	1.25	4.46
1,1,1-Trichloroethane		0.660	U	0.660	4.46
1,1-Dichloroethane		0.777	U	0.777	4.46
1,2-Dichloropropane		0.634	U	0.634	4.46
2,2-Dichloropropane		1.62	U	1.62	4.46
Dibromomethane		0.669	U	0.669	4.46
Chloroform		0.589	U	0.589	4.46
Bromodichloromethane		0.589	U	0.589	4.46
2-Chloroethyl vinyl ether		0.875	U	0.875	8.93
1,1-Dichloropropene		0.580	U	0.580	4.46
cis-1,3-Dichloropropene		0.482	U	0.482	4.46
Toluene		1.75	J	1.23	4.46
trans-1,3-Dichloropropene		0.518	U	0.518	4.46
1,1,2-Trichloroethane		0.652	U	0.652	35.7
Tetrachloroethene		0.634	U	0.634	4.46
1,3-Dichloropropane		0.562	U	0.562	4.46
Chlorodibromomethane		0.839	U	0.839	4.46
1,2-Dibromoethane		0.910	U	0.910	4.46
Chlorobenzene		0.857	U	0.857	4.46
1,1,1,2-Tetrachloroethane		1.25	U	1.25	4.46
Ethylbenzene		0.910	U	0.910	4.46
m-Xylene & p-Xylene		1.36	U	1.36	8.93
Xylenes, Total		1.01	U	1.01	4.46
o-Xylene		1.01	U	1.01	4.46
Styrene		0.634	U	0.634	4.46
Bromoform		1.22	U	1.22	4.46
Isopropylbenzene		0.821	U	0.821	4.46
Bromobenzene		0.884	U	0.884	4.46
1,2,3-Trichloropropane		1.17	U	1.17	4.46
1,1,2,2-Tetrachloroethane		0.777	U	0.777	4.46

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB06-21-22-11122013**

Lab Sample ID: 600-82738-36
Client Matrix: Solid

% Moisture: 20.5

Date Sampled: 11/12/2013 1333
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32517.D
Dilution:	0.71			Initial Weight/Volume:	7.00 g
Analysis Date:	11/21/2013 1651			Final Weight/Volume:	7.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.848	U	0.848	4.46
2-Chlorotoluene		0.607	U	0.607	4.46
4-Chlorotoluene		0.741	U	0.741	4.46
1,3,5-Trimethylbenzene		1.43	U	1.43	4.46
tert-Butylbenzene		0.848	U	0.848	4.46
4-Isopropyltoluene		0.910	U	0.910	4.46
1,2,4-Trimethylbenzene		0.821	U	0.821	4.46
sec-Butylbenzene		0.625	U	0.625	4.46
1,3-Dichlorobenzene		0.634	U	0.634	4.46
1,4-Dichlorobenzene		0.589	U	0.589	4.46
1,2-Dichlorobenzene		0.714	U	0.714	4.46
n-Butylbenzene		0.518	U	0.518	4.46
1,2-Dibromo-3-Chloropropane		2.18	U	2.18	4.46
1,2,4-Trichlorobenzene		1.76	U	1.76	4.46
Hexachlorobutadiene		1.01	U	1.01	4.46
Naphthalene		2.12	U	2.12	8.93
1,2,3-Trichlorobenzene		0.553	U	0.553	4.46
Carbon disulfide		0.491	U	0.491	8.93
Acetone		37.7		1.48	8.93

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	106		68 - 140
4-Bromofluorobenzene	84		57 - 140
1,2-Dichloroethane-d4 (Surr)	121		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **FD06-21-22-11122013**

Lab Sample ID: 600-82738-37 Date Sampled: 11/12/2013 1335
Client Matrix: Solid % Moisture: 24.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32518.D
Dilution:	0.75			Initial Weight/Volume:	6.71 g
Analysis Date:	11/21/2013 1715			Final Weight/Volume:	6.71 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.53	U	1.53	4.96
Chloromethane		1.65	U	1.65	9.91
Vinyl chloride		0.892	U	0.892	9.91
Bromomethane		0.823	U	0.823	9.91
Chloroethane		1.39	U	1.39	9.91
Trichlorofluoromethane		0.654	U	0.654	9.91
1,1-Dichloroethene		1.21	U	1.21	4.96
trans-1,2-Dichloroethene		1.13	U	1.13	4.96
Methyl tert-butyl ether		1.81	U	1.81	4.96
Methylene Chloride		2.17	U	2.17	9.91
cis-1,2-Dichloroethene		0.823	U	0.823	4.96
2-Butanone (MEK)		5.26	J	1.88	9.91
Bromochloromethane		1.76	U	1.76	4.96
Carbon tetrachloride		1.12	U	1.12	4.96
Benzene		1.43	J	0.624	4.96
1,2-Dichloroethane		0.892	U	0.892	4.96
Trichloroethene		1.39	U	1.39	4.96
1,1,1-Trichloroethane		0.734	U	0.734	4.96
1,1-Dichloroethane		0.862	U	0.862	4.96
1,2-Dichloropropane		0.704	U	0.704	4.96
2,2-Dichloropropane		1.80	U	1.80	4.96
Dibromomethane		0.743	U	0.743	4.96
Chloroform		0.654	U	0.654	4.96
Bromodichloromethane		0.654	U	0.654	4.96
2-Chloroethyl vinyl ether		0.971	U	0.971	9.91
1,1-Dichloropropene		0.644	U	0.644	4.96
cis-1,3-Dichloropropene		0.535	U	0.535	4.96
Toluene		1.38	J	1.37	4.96
trans-1,3-Dichloropropene		0.575	U	0.575	4.96
1,1,2-Trichloroethane		0.724	U	0.724	39.6
Tetrachloroethene		0.704	U	0.704	4.96
1,3-Dichloropropane		0.624	U	0.624	4.96
Chlorodibromomethane		0.932	U	0.932	4.96
1,2-Dibromoethane		1.01	U	1.01	4.96
Chlorobenzene		0.952	U	0.952	4.96
1,1,1,2-Tetrachloroethane		1.39	U	1.39	4.96
Ethylbenzene		1.01	U	1.01	4.96
m-Xylene & p-Xylene		1.51	U	1.51	9.91
Xylenes, Total		1.12	U	1.12	4.96
o-Xylene		1.12	U	1.12	4.96
Styrene		0.704	U	0.704	4.96
Bromoform		1.36	U	1.36	4.96
Isopropylbenzene		0.912	U	0.912	4.96
Bromobenzene		0.981	U	0.981	4.96
1,2,3-Trichloropropane		1.30	U	1.30	4.96
1,1,2,2-Tetrachloroethane		0.862	U	0.862	4.96

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **FD06-21-22-11122013**

Lab Sample ID: 600-82738-37
Client Matrix: Solid

% Moisture: 24.3

Date Sampled: 11/12/2013 1335
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32518.D
Dilution:	0.75			Initial Weight/Volume:	6.71 g
Analysis Date:	11/21/2013 1715			Final Weight/Volume:	6.71 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.942	U	0.942	4.96
2-Chlorotoluene		0.674	U	0.674	4.96
4-Chlorotoluene		0.823	U	0.823	4.96
1,3,5-Trimethylbenzene		1.59	U	1.59	4.96
tert-Butylbenzene		0.942	U	0.942	4.96
4-Isopropyltoluene		1.01	U	1.01	4.96
1,2,4-Trimethylbenzene		0.912	U	0.912	4.96
sec-Butylbenzene		0.694	U	0.694	4.96
1,3-Dichlorobenzene		0.704	U	0.704	4.96
1,4-Dichlorobenzene		0.654	U	0.654	4.96
1,2-Dichlorobenzene		0.793	U	0.793	4.96
n-Butylbenzene		0.575	U	0.575	4.96
1,2-Dibromo-3-Chloropropane		2.42	U	2.42	4.96
1,2,4-Trichlorobenzene		1.95	U	1.95	4.96
Hexachlorobutadiene		1.12	U	1.12	4.96
Naphthalene		2.35	U	2.35	9.91
1,2,3-Trichlorobenzene		0.615	U	0.615	4.96
Carbon disulfide		0.545	U	0.545	9.91
Acetone		49.7		1.65	9.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	99		68 - 140
4-Bromofluorobenzene	85		57 - 140
1,2-Dichloroethane-d4 (Surr)	114		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **TB03-11122013**

Lab Sample ID: 600-82738-38 Date Sampled: 11/12/2013 0700
Client Matrix: Water Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1437			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1437				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB03-11122013**

Lab Sample ID: 600-82738-38
Client Matrix: Water

Date Sampled: 11/12/2013 0700
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1437			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1437				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.604	J B	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	99		62 - 130
Toluene-d8 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		50 - 134

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB07-2-3-11122013**

Lab Sample ID: 600-82738-39 Date Sampled: 11/12/2013 1545
Client Matrix: Solid % Moisture: 12.4 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32519.D
Dilution:	0.82			Initial Weight/Volume:	6.10 g
Analysis Date:	11/21/2013 1738			Final Weight/Volume:	6.10 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.44	U	1.44	4.68
Chloromethane		1.55	U	1.55	9.36
Vinyl chloride		0.843	U	0.843	9.36
Bromomethane		0.777	U	0.777	9.36
Chloroethane		1.31	U	1.31	9.36
Trichlorofluoromethane		0.618	U	0.618	9.36
1,1-Dichloroethene		1.14	U	1.14	4.68
trans-1,2-Dichloroethene		1.07	U	1.07	4.68
Methyl tert-butyl ether		1.71	U	1.71	4.68
Methylene Chloride		2.05	U	2.05	9.36
cis-1,2-Dichloroethene		0.777	U	0.777	4.68
2-Butanone (MEK)		1.78	U	1.78	9.36
Bromochloromethane		1.67	U	1.67	4.68
Carbon tetrachloride		1.06	U	1.06	4.68
Benzene		0.590	U	0.590	4.68
1,2-Dichloroethane		0.843	U	0.843	4.68
Trichloroethene		1.31	U	1.31	4.68
1,1,1-Trichloroethane		0.693	U	0.693	4.68
1,1-Dichloroethane		0.815	U	0.815	4.68
1,2-Dichloropropane		0.665	U	0.665	4.68
2,2-Dichloropropane		1.70	U	1.70	4.68
Dibromomethane		0.702	U	0.702	4.68
Chloroform		0.618	U	0.618	4.68
Bromodichloromethane		0.618	U	0.618	4.68
2-Chloroethyl vinyl ether		0.918	U	0.918	9.36
1,1-Dichloropropene		0.609	U	0.609	4.68
cis-1,3-Dichloropropene		0.506	U	0.506	4.68
Toluene		1.29	U	1.29	4.68
trans-1,3-Dichloropropene		0.543	U	0.543	4.68
1,1,2-Trichloroethane		0.684	U	0.684	37.5
Tetrachloroethene		0.665	U	0.665	4.68
1,3-Dichloropropane		0.590	U	0.590	4.68
Chlorodibromomethane		0.880	U	0.880	4.68
1,2-Dibromoethane		0.955	U	0.955	4.68
Chlorobenzene		0.899	U	0.899	4.68
1,1,1,2-Tetrachloroethane		1.31	U	1.31	4.68
Ethylbenzene		0.955	U	0.955	4.68
m-Xylene & p-Xylene		1.42	U	1.42	9.36
Xylenes, Total		1.06	U	1.06	4.68
o-Xylene		1.06	U	1.06	4.68
Styrene		0.665	U	0.665	4.68
Bromoform		1.28	U	1.28	4.68
Isopropylbenzene		0.861	U	0.861	4.68
Bromobenzene		0.927	U	0.927	4.68
1,2,3-Trichloropropane		1.23	U	1.23	4.68
1,1,2,2-Tetrachloroethane		0.815	U	0.815	4.68

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-2-3-11122013**

Lab Sample ID: 600-82738-39
Client Matrix: Solid
% Moisture: 12.4

Date Sampled: 11/12/2013 1545
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32519.D
Dilution:	0.82			Initial Weight/Volume:	6.10 g
Analysis Date:	11/21/2013 1738			Final Weight/Volume:	6.10 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.890	U	0.890	4.68
2-Chlorotoluene		0.637	U	0.637	4.68
4-Chlorotoluene		0.777	U	0.777	4.68
1,3,5-Trimethylbenzene		1.50	U	1.50	4.68
tert-Butylbenzene		0.890	U	0.890	4.68
4-Isopropyltoluene		0.955	U	0.955	4.68
1,2,4-Trimethylbenzene		0.861	U	0.861	4.68
sec-Butylbenzene		0.655	U	0.655	4.68
1,3-Dichlorobenzene		0.665	U	0.665	4.68
1,4-Dichlorobenzene		0.618	U	0.618	4.68
1,2-Dichlorobenzene		0.749	U	0.749	4.68
n-Butylbenzene		0.543	U	0.543	4.68
1,2-Dibromo-3-Chloropropane		2.28	U	2.28	4.68
1,2,4-Trichlorobenzene		1.84	U	1.84	4.68
Hexachlorobutadiene		1.06	U	1.06	4.68
Naphthalene		2.22	U	2.22	9.36
1,2,3-Trichlorobenzene		0.581	U	0.581	4.68
Carbon disulfide		0.515	U	0.515	9.36
Acetone		50.5		1.55	9.36

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	103		68 - 140
4-Bromofluorobenzene	85		57 - 140
1,2-Dichloroethane-d4 (Surr)	117		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-5-6-11122013**

Lab Sample ID: 600-82738-40
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 11/12/2013 1600
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32520.D
Dilution:	0.71			Initial Weight/Volume:	7.03 g
Analysis Date:	11/21/2013 1802			Final Weight/Volume:	7.03 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.28	U	1.28	4.16
Chloromethane		1.38	U	1.38	8.33
Vinyl chloride		0.750	U	0.750	8.33
Bromomethane		0.691	U	0.691	8.33
Chloroethane		1.17	U	1.17	8.33
Trichlorofluoromethane		0.550	U	0.550	8.33
1,1-Dichloroethene		1.02	U	1.02	4.16
trans-1,2-Dichloroethene		0.950	U	0.950	4.16
Methyl tert-butyl ether		1.52	U	1.52	4.16
Methylene Chloride		1.82	U	1.82	8.33
cis-1,2-Dichloroethene		0.691	U	0.691	4.16
2-Butanone (MEK)		1.58	U	1.58	8.33
Bromochloromethane		1.48	U	1.48	4.16
Carbon tetrachloride		0.941	U	0.941	4.16
Benzene		0.525	U	0.525	4.16
1,2-Dichloroethane		0.750	U	0.750	4.16
Trichloroethene		1.17	U	1.17	4.16
1,1,1-Trichloroethane		0.616	U	0.616	4.16
1,1-Dichloroethane		0.725	U	0.725	4.16
1,2-Dichloropropane		0.591	U	0.591	4.16
2,2-Dichloropropane		1.52	U	1.52	4.16
Dibromomethane		0.625	U	0.625	4.16
Chloroform		0.550	U	0.550	4.16
Bromodichloromethane		0.550	U	0.550	4.16
2-Chloroethyl vinyl ether		0.816	U	0.816	8.33
1,1-Dichloropropene		0.541	U	0.541	4.16
cis-1,3-Dichloropropene		0.450	U	0.450	4.16
Toluene		1.15	U	1.15	4.16
trans-1,3-Dichloropropene		0.483	U	0.483	4.16
1,1,2-Trichloroethane		0.608	U	0.608	33.3
Tetrachloroethene		0.591	U	0.591	4.16
1,3-Dichloropropane		0.525	U	0.525	4.16
Chlorodibromomethane		0.783	U	0.783	4.16
1,2-Dibromoethane		0.850	U	0.850	4.16
Chlorobenzene		0.800	U	0.800	4.16
1,1,1,2-Tetrachloroethane		1.17	U	1.17	4.16
Ethylbenzene		0.850	U	0.850	4.16
m-Xylene & p-Xylene		1.27	U	1.27	8.33
Xylenes, Total		0.941	U	0.941	4.16
o-Xylene		0.941	U	0.941	4.16
Styrene		0.591	U	0.591	4.16
Bromoform		1.14	U	1.14	4.16
Isopropylbenzene		0.766	U	0.766	4.16
Bromobenzene		0.825	U	0.825	4.16
1,2,3-Trichloropropane		1.09	U	1.09	4.16
1,1,2,2-Tetrachloroethane		0.725	U	0.725	4.16

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-5-6-11122013**

Lab Sample ID: 600-82738-40
Client Matrix: Solid
% Moisture: 14.8

Date Sampled: 11/12/2013 1600
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32520.D
Dilution:	0.71			Initial Weight/Volume:	7.03 g
Analysis Date:	11/21/2013 1802			Final Weight/Volume:	7.03 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.791	U	0.791	4.16
2-Chlorotoluene		0.566	U	0.566	4.16
4-Chlorotoluene		0.691	U	0.691	4.16
1,3,5-Trimethylbenzene		1.33	U	1.33	4.16
tert-Butylbenzene		0.791	U	0.791	4.16
4-Isopropyltoluene		0.850	U	0.850	4.16
1,2,4-Trimethylbenzene		0.766	U	0.766	4.16
sec-Butylbenzene		0.583	U	0.583	4.16
1,3-Dichlorobenzene		0.591	U	0.591	4.16
1,4-Dichlorobenzene		0.550	U	0.550	4.16
1,2-Dichlorobenzene		0.666	U	0.666	4.16
n-Butylbenzene		0.483	U	0.483	4.16
1,2-Dibromo-3-Chloropropane		2.03	U	2.03	4.16
1,2,4-Trichlorobenzene		1.64	U	1.64	4.16
Hexachlorobutadiene		0.941	U	0.941	4.16
Naphthalene		2.18	J B	1.97	8.33
1,2,3-Trichlorobenzene		0.516	U	0.516	4.16
Carbon disulfide		0.458	U	0.458	8.33
Acetone		38.8		1.38	8.33

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	86		50 - 130
Dibromofluoromethane	104		68 - 140
4-Bromofluorobenzene	88		57 - 140
1,2-Dichloroethane-d4 (Surr)	117		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-14-15-11122013**

Lab Sample ID: 600-82738-41
Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 11/12/2013 1635
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32521.D
Dilution:	0.71			Initial Weight/Volume:	7.00 g
Analysis Date:	11/21/2013 1826			Final Weight/Volume:	7.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.31	U	1.31	4.26
Chloromethane		1.42	U	1.42	8.53
Vinyl chloride		0.767	U	0.767	8.53
Bromomethane		0.708	U	0.708	8.53
Chloroethane		1.19	U	1.19	8.53
Trichlorofluoromethane		0.563	U	0.563	8.53
1,1-Dichloroethene		1.04	U	1.04	4.26
trans-1,2-Dichloroethene		0.972	U	0.972	4.26
Methyl tert-butyl ether		1.56	U	1.56	4.26
Methylene Chloride		1.87	U	1.87	8.53
cis-1,2-Dichloroethene		0.708	U	0.708	4.26
2-Butanone (MEK)		3.80	J	1.62	8.53
Bromochloromethane		1.52	U	1.52	4.26
Carbon tetrachloride		0.963	U	0.963	4.26
Benzene		0.554	J	0.537	4.26
1,2-Dichloroethane		0.767	U	0.767	4.26
Trichloroethene		1.19	U	1.19	4.26
1,1,1-Trichloroethane		0.631	U	0.631	4.26
1,1-Dichloroethane		0.742	U	0.742	4.26
1,2-Dichloropropane		0.605	U	0.605	4.26
2,2-Dichloropropane		1.55	U	1.55	4.26
Dibromomethane		0.639	U	0.639	4.26
Chloroform		0.563	U	0.563	4.26
Bromodichloromethane		0.563	U	0.563	4.26
2-Chloroethyl vinyl ether		0.836	U	0.836	8.53
1,1-Dichloropropene		0.554	U	0.554	4.26
cis-1,3-Dichloropropene		0.460	U	0.460	4.26
Toluene		1.18	U	1.18	4.26
trans-1,3-Dichloropropene		0.495	U	0.495	4.26
1,1,2-Trichloroethane		0.622	U	0.622	34.1
Tetrachloroethene		0.605	U	0.605	4.26
1,3-Dichloropropane		0.537	U	0.537	4.26
Chlorodibromomethane		0.801	U	0.801	4.26
1,2-Dibromoethane		0.870	U	0.870	4.26
Chlorobenzene		0.819	U	0.819	4.26
1,1,1,2-Tetrachloroethane		1.19	U	1.19	4.26
Ethylbenzene		0.870	U	0.870	4.26
m-Xylene & p-Xylene		1.30	U	1.30	8.53
Xylenes, Total		0.963	U	0.963	4.26
o-Xylene		0.963	U	0.963	4.26
Styrene		0.605	U	0.605	4.26
Bromoform		1.17	U	1.17	4.26
Isopropylbenzene		0.784	U	0.784	4.26
Bromobenzene		0.844	U	0.844	4.26
1,2,3-Trichloropropane		1.12	U	1.12	4.26
1,1,2,2-Tetrachloroethane		0.742	U	0.742	4.26

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-14-15-11122013**

Lab Sample ID: 600-82738-41
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 11/12/2013 1635
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32521.D
Dilution:	0.71			Initial Weight/Volume:	7.00 g
Analysis Date:	11/21/2013 1826			Final Weight/Volume:	7.00 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.810	U	0.810	4.26
2-Chlorotoluene		0.580	U	0.580	4.26
4-Chlorotoluene		0.708	U	0.708	4.26
1,3,5-Trimethylbenzene		1.36	U	1.36	4.26
tert-Butylbenzene		0.810	U	0.810	4.26
4-Isopropyltoluene		0.870	U	0.870	4.26
1,2,4-Trimethylbenzene		0.784	U	0.784	4.26
sec-Butylbenzene		0.597	U	0.597	4.26
1,3-Dichlorobenzene		0.605	U	0.605	4.26
1,4-Dichlorobenzene		0.563	U	0.563	4.26
1,2-Dichlorobenzene		0.682	U	0.682	4.26
n-Butylbenzene		0.495	U	0.495	4.26
1,2-Dibromo-3-Chloropropane		2.08	U	2.08	4.26
1,2,4-Trichlorobenzene		1.68	U	1.68	4.26
Hexachlorobutadiene		0.963	U	0.963	4.26
Naphthalene		2.95	J B	2.02	8.53
1,2,3-Trichlorobenzene		0.529	U	0.529	4.26
Carbon disulfide		0.469	U	0.469	8.53
Acetone		60.3		1.42	8.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	87		50 - 130
Dibromofluoromethane	104		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surr)	116		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-20-21-11122013**

Lab Sample ID: 600-82738-42
Client Matrix: Solid

Date Sampled: 11/12/2013 1645
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33021.D
Dilution:	1.0			Initial Weight/Volume:	5.31 g
Analysis Date:	11/26/2013 1914			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		72.5	U	72.5	235
Chloromethane		78.2	U	78.2	471
Vinyl chloride		42.4	U	42.4	471
Bromomethane		375	J B	39.1	471
Chloroethane		65.9	U	65.9	471
Trichlorofluoromethane		31.1	U	31.1	471
1,1-Dichloroethene		57.4	U	57.4	235
trans-1,2-Dichloroethene		53.7	U	53.7	235
Methyl tert-butyl ether		86.2	U	86.2	235
Methylene Chloride		103	U	103	471
cis-1,2-Dichloroethene		39.1	U	39.1	235
2-Butanone (MEK)		89.5	U	89.5	471
Bromochloromethane		83.8	U	83.8	235
Carbon tetrachloride		53.2	U	53.2	235
Benzene		164	J	29.7	235
1,2-Dichloroethane		42.4	U	42.4	235
Trichloroethene		65.9	U	65.9	235
1,1,1-Trichloroethane		34.8	U	34.8	235
1,1-Dichloroethane		41.0	U	41.0	235
1,2-Dichloropropane		33.4	U	33.4	235
2,2-Dichloropropane		85.7	U	85.7	235
Dibromomethane		35.3	U	35.3	235
Chloroform		31.1	U	31.1	235
Bromodichloromethane		31.1	U	31.1	235
2-Chloroethyl vinyl ether		751	*	46.1	471
1,1-Dichloropropene		30.6	U	30.6	235
cis-1,3-Dichloropropene		25.4	U	25.4	235
Toluene		2120		65.0	235
trans-1,3-Dichloropropene		27.3	U	27.3	235
1,1,2-Trichloroethane		34.4	U	34.4	1880
Tetrachloroethene		512		33.4	235
1,3-Dichloropropane		29.7	U	29.7	235
Chlorodibromomethane		44.3	U	44.3	235
1,2-Dibromoethane		48.0	U	48.0	235
Chlorobenzene		45.2	U	45.2	235
1,1,1,2-Tetrachloroethane		65.9	U	65.9	235
Styrene		33.4	U	33.4	235
Bromoform		64.5	U	64.5	235
Bromobenzene		46.6	U	46.6	235
1,2,3-Trichloropropane		61.7	U	61.7	235
1,1,2,2-Tetrachloroethane		41.0	U	41.0	235
2-Chlorotoluene		32.0	U	32.0	235
4-Chlorotoluene		39.1	U	39.1	235
tert-Butylbenzene		44.7	U	44.7	235
4-Isopropyltoluene		2170		48.0	235
sec-Butylbenzene		4350		33.0	235

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-20-21-11122013**

Lab Sample ID: 600-82738-42
Client Matrix: Solid

Date Sampled: 11/12/2013 1645
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33021.D
Dilution:	1.0			Initial Weight/Volume:	5.31 g
Analysis Date:	11/26/2013 1914			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,3-Dichlorobenzene		33.4	U	33.4	235
1,4-Dichlorobenzene		31.1	U	31.1	235
1,2-Dichlorobenzene		37.7	U	37.7	235
1,2-Dibromo-3-Chloropropane		115	U	115	235
1,2,4-Trichlorobenzene		92.7	U	92.7	235
Hexachlorobutadiene		53.2	U	53.2	235
1,2,3-Trichlorobenzene		29.2	U	29.2	235
Acetone		78.2	U	78.2	471
Carbon disulfide		1790		25.9	471

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	91		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	90		57 - 140
1,2-Dichloroethane-d4 (Surr)	92		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-20-21-11122013**

Lab Sample ID: 600-82738-42
Client Matrix: Solid

Date Sampled: 11/12/2013 1645
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121793	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	T33216.D
Dilution:	20			Initial Weight/Volume:	5.31 g
Analysis Date:	11/28/2013 1825			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Ethylbenzene		12400		960	4710
m-Xylene & p-Xylene		49500		1430	9420
Xylenes, Total		152000		1060	4710
o-Xylene		102000		1060	4710
Isopropylbenzene		21500		866	4710
N-Propylbenzene		56600		895	4710
1,3,5-Trimethylbenzene		62400		1510	4710
1,2,4-Trimethylbenzene		244000	E	866	4710
n-Butylbenzene		9680		546	4710
Naphthalene		16700		2230	9420

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	89		50 - 130
Dibromofluoromethane	91		68 - 140
4-Bromofluorobenzene	83		57 - 140
1,2-Dichloroethane-d4 (Surr)	89		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB07-29-30-11122013**

Lab Sample ID: 600-82738-43
Client Matrix: Solid
% Moisture: 24.3

Date Sampled: 11/12/2013 1700
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32523.D
Dilution:	0.81			Initial Weight/Volume:	6.17 g
Analysis Date:	11/21/2013 1914			Final Weight/Volume:	6.17 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.65	U	1.65	5.35
Chloromethane		1.78	U	1.78	10.7
Vinyl chloride		0.963	U	0.963	10.7
Bromomethane		0.888	U	0.888	10.7
Chloroethane		1.50	U	1.50	10.7
Trichlorofluoromethane		0.706	U	0.706	10.7
1,1-Dichloroethene		1.31	U	1.31	5.35
trans-1,2-Dichloroethene		1.22	U	1.22	5.35
Methyl tert-butyl ether		1.96	U	1.96	5.35
Methylene Chloride		2.34	U	2.34	10.7
cis-1,2-Dichloroethene		0.888	U	0.888	5.35
2-Butanone (MEK)		2.03	U	2.03	10.7
Bromochloromethane		1.90	U	1.90	5.35
Carbon tetrachloride		1.21	U	1.21	5.35
Benzene		0.674	U	0.674	5.35
1,2-Dichloroethane		0.963	U	0.963	5.35
Trichloroethene		1.50	U	1.50	5.35
1,1,1-Trichloroethane		0.792	U	0.792	5.35
1,1-Dichloroethane		0.931	U	0.931	5.35
1,2-Dichloropropane		0.760	U	0.760	5.35
2,2-Dichloropropane		1.95	U	1.95	5.35
Dibromomethane		0.803	U	0.803	5.35
Chloroform		0.706	U	0.706	5.35
Bromodichloromethane		0.706	U	0.706	5.35
2-Chloroethyl vinyl ether		1.05	U	1.05	10.7
1,1-Dichloropropene		0.696	U	0.696	5.35
cis-1,3-Dichloropropene		0.578	U	0.578	5.35
Toluene		1.48	U	1.48	5.35
trans-1,3-Dichloropropene		0.621	U	0.621	5.35
1,1,2-Trichloroethane		0.781	U	0.781	42.8
Tetrachloroethene		0.760	U	0.760	5.35
1,3-Dichloropropane		0.674	U	0.674	5.35
Chlorodibromomethane		1.01	U	1.01	5.35
1,2-Dibromoethane		1.09	U	1.09	5.35
Chlorobenzene		1.03	U	1.03	5.35
1,1,1,2-Tetrachloroethane		1.50	U	1.50	5.35
Ethylbenzene		1.98	J	1.09	5.35
m-Xylene & p-Xylene		5.25	J	1.63	10.7
Xylenes, Total		10.3		1.21	5.35
o-Xylene		5.00	J	1.21	5.35
Styrene		0.760	U	0.760	5.35
Bromoform		1.47	U	1.47	5.35
Isopropylbenzene		2.97	J	0.984	5.35
Bromobenzene		1.06	U	1.06	5.35
1,2,3-Trichloropropane		1.40	U	1.40	5.35
1,1,2,2-Tetrachloroethane		0.931	U	0.931	5.35

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB07-29-30-11122013**

Lab Sample ID: 600-82738-43 Date Sampled: 11/12/2013 1700
Client Matrix: Solid % Moisture: 24.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32523.D
Dilution:	0.81			Initial Weight/Volume:	6.17 g
Analysis Date:	11/21/2013 1914			Final Weight/Volume:	6.17 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		8.34		1.02	5.35
2-Chlorotoluene		0.728	U	0.728	5.35
4-Chlorotoluene		0.888	U	0.888	5.35
1,3,5-Trimethylbenzene		11.1		1.71	5.35
tert-Butylbenzene		1.02	U	1.02	5.35
4-Isopropyltoluene		1.09	U	1.09	5.35
1,2,4-Trimethylbenzene		43.1		0.984	5.35
sec-Butylbenzene		0.990	J	0.749	5.35
1,3-Dichlorobenzene		0.760	U	0.760	5.35
1,4-Dichlorobenzene		0.706	U	0.706	5.35
1,2-Dichlorobenzene		0.856	U	0.856	5.35
n-Butylbenzene		2.81	J	0.621	5.35
1,2-Dibromo-3-Chloropropane		2.61	U	2.61	5.35
1,2,4-Trichlorobenzene		2.11	U	2.11	5.35
Hexachlorobutadiene		1.21	U	1.21	5.35
Naphthalene		27.2	B	2.54	10.7
1,2,3-Trichlorobenzene		0.663	U	0.663	5.35
Carbon disulfide		3.72	J	0.589	10.7
Acetone		84.6		1.78	10.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	82		50 - 130
Dibromofluoromethane	101		68 - 140
4-Bromofluorobenzene	83		57 - 140
1,2-Dichloroethane-d4 (Surr)	111		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB04-11122013**

Lab Sample ID: 600-82738-44
Client Matrix: Water

Date Sampled: 11/12/2013 0700
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32217.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1554			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1554				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB04-11122013**

Lab Sample ID: 600-82738-44
Client Matrix: Water

Date Sampled: 11/12/2013 0700
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32217.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1554			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1554				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		67 - 139
Dibromofluoromethane	93		62 - 130
Toluene-d8 (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-2-3-11132013**

Lab Sample ID: 600-82738-45
Client Matrix: Solid

% Moisture: 13.5

Date Sampled: 11/13/2013 0800
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32621.D
Dilution:	1.05			Initial Weight/Volume:	4.77 g
Analysis Date:	11/22/2013 1953			Final Weight/Volume:	4.77 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.87	U *	1.87	6.07
Chloromethane		2.01	U	2.01	12.1
Vinyl chloride		1.09	U	1.09	12.1
Bromomethane		1.01	U	1.01	12.1
Chloroethane		1.70	U	1.70	12.1
Trichlorofluoromethane		0.801	U	0.801	12.1
1,1-Dichloroethene		1.48	U	1.48	6.07
trans-1,2-Dichloroethene		1.38	U	1.38	6.07
Methyl tert-butyl ether		2.22	U	2.22	6.07
Methylene Chloride		2.66	U	2.66	12.1
cis-1,2-Dichloroethene		1.01	U	1.01	6.07
2-Butanone (MEK)		2.31	U	2.31	12.1
Bromochloromethane		2.16	U	2.16	6.07
Carbon tetrachloride		1.37	U	1.37	6.07
Benzene		0.764	U	0.764	6.07
1,2-Dichloroethane		1.09	U	1.09	6.07
Trichloroethene		1.70	U *	1.70	6.07
1,1,1-Trichloroethane		0.898	U	0.898	6.07
1,1-Dichloroethane		1.06	U	1.06	6.07
1,2-Dichloropropane		0.861	U	0.861	6.07
2,2-Dichloropropane		2.21	U	2.21	6.07
Dibromomethane		0.910	U	0.910	6.07
Chloroform		0.801	U	0.801	6.07
Bromodichloromethane		0.801	U	0.801	6.07
2-Chloroethyl vinyl ether		1.19	U	1.19	12.1
1,1-Dichloropropene		0.789	U	0.789	6.07
cis-1,3-Dichloropropene		0.655	U	0.655	6.07
Toluene		1.67	U	1.67	6.07
trans-1,3-Dichloropropene		0.704	U	0.704	6.07
1,1,2-Trichloroethane		0.886	U	0.886	48.5
Tetrachloroethene		0.861	U *	0.861	6.07
1,3-Dichloropropane		0.764	U	0.764	6.07
Chlorodibromomethane		1.14	U	1.14	6.07
1,2-Dibromoethane		1.24	U	1.24	6.07
Chlorobenzene		1.16	U	1.16	6.07
1,1,1,2-Tetrachloroethane		1.70	U	1.70	6.07
Ethylbenzene		1.24	U	1.24	6.07
m-Xylene & p-Xylene		1.84	U	1.84	12.1
Xylenes, Total		1.37	U	1.37	6.07
o-Xylene		1.37	U	1.37	6.07
Styrene		0.861	U	0.861	6.07
Bromoform		1.66	U	1.66	6.07
Isopropylbenzene		1.12	U	1.12	6.07
Bromobenzene		1.20	U	1.20	6.07
1,2,3-Trichloropropane		1.59	U	1.59	6.07
1,1,2,2-Tetrachloroethane		1.06	U	1.06	6.07

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB08-2-3-11132013**

Lab Sample ID: 600-82738-45 Date Sampled: 11/13/2013 0800
Client Matrix: Solid % Moisture: 13.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32621.D
Dilution:	1.05			Initial Weight/Volume:	4.77 g
Analysis Date:	11/22/2013 1953			Final Weight/Volume:	4.77 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.15	U	1.15	6.07
2-Chlorotoluene		0.825	U	0.825	6.07
4-Chlorotoluene		1.01	U	1.01	6.07
1,3,5-Trimethylbenzene		1.94	U	1.94	6.07
tert-Butylbenzene		1.15	U	1.15	6.07
4-Isopropyltoluene		1.24	U	1.24	6.07
1,2,4-Trimethylbenzene		1.12	U	1.12	6.07
sec-Butylbenzene		0.849	U	0.849	6.07
1,3-Dichlorobenzene		0.861	U	0.861	6.07
1,4-Dichlorobenzene		0.801	U	0.801	6.07
1,2-Dichlorobenzene		0.971	U	0.971	6.07
n-Butylbenzene		0.704	U	0.704	6.07
1,2-Dibromo-3-Chloropropane		2.96	U *	2.96	6.07
1,2,4-Trichlorobenzene		2.39	U	2.39	6.07
Hexachlorobutadiene		1.37	U	1.37	6.07
Naphthalene		2.88	U	2.88	12.1
1,2,3-Trichlorobenzene		0.752	U	0.752	6.07
Carbon disulfide		0.667	U	0.667	12.1
Acetone		93.8		2.01	12.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		50 - 130
Dibromofluoromethane	102		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	119		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-5-6-11132013**

Lab Sample ID: 600-82738-46
Client Matrix: Solid

% Moisture: 14.5

Date Sampled: 11/13/2013 0805
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32819.D
Dilution:	0.98			Initial Weight/Volume:	5.17 g
Analysis Date:	11/24/2013 2016			Final Weight/Volume:	5.17 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.76	U	1.76	5.73
Chloromethane		1.90	U	1.90	11.5
Vinyl chloride		1.03	U	1.03	11.5
Bromomethane		0.951	U	0.951	11.5
Chloroethane		1.60	U	1.60	11.5
Trichlorofluoromethane		0.756	U	0.756	11.5
1,1-Dichloroethene		1.40	U	1.40	5.73
trans-1,2-Dichloroethene		1.31	U	1.31	5.73
Methyl tert-butyl ether		2.10	U	2.10	5.73
Methylene Chloride		2.51	U	2.51	11.5
cis-1,2-Dichloroethene		0.951	U	0.951	5.73
2-Butanone (MEK)		2.18	U	2.18	11.5
Bromochloromethane		2.04	U	2.04	5.73
Carbon tetrachloride		1.29	U	1.29	5.73
Benzene		0.722	U	0.722	5.73
1,2-Dichloroethane		1.03	U	1.03	5.73
Trichloroethene		1.60	U	1.60	5.73
1,1,1-Trichloroethane		0.848	U	0.848	5.73
1,1-Dichloroethane		0.997	U	0.997	5.73
1,2-Dichloropropane		0.813	U	0.813	5.73
2,2-Dichloropropane		2.09	U	2.09	5.73
Dibromomethane		0.859	U	0.859	5.73
Chloroform		0.756	U	0.756	5.73
Bromodichloromethane		0.756	U	0.756	5.73
2-Chloroethyl vinyl ether		1.12	U	1.12	11.5
1,1-Dichloropropene		0.745	U	0.745	5.73
cis-1,3-Dichloropropene		0.619	U	0.619	5.73
Toluene		1.58	U	1.58	5.73
trans-1,3-Dichloropropene		0.665	U	0.665	5.73
1,1,2-Trichloroethane		0.836	U	0.836	45.8
Tetrachloroethene		0.813	U *	0.813	5.73
1,3-Dichloropropane		0.722	U	0.722	5.73
Chlorodibromomethane		1.08	U	1.08	5.73
1,2-Dibromoethane		1.17	U	1.17	5.73
Chlorobenzene		1.10	U	1.10	5.73
1,1,1,2-Tetrachloroethane		1.60	U	1.60	5.73
Ethylbenzene		1.17	U	1.17	5.73
m-Xylene & p-Xylene		1.74	U	1.74	11.5
Xylenes, Total		1.29	U	1.29	5.73
o-Xylene		1.29	U	1.29	5.73
Styrene		0.813	U	0.813	5.73
Bromoform		1.57	U	1.57	5.73
Isopropylbenzene		1.05	U	1.05	5.73
Bromobenzene		1.13	U	1.13	5.73
1,2,3-Trichloropropane		1.50	U	1.50	5.73
1,1,2,2-Tetrachloroethane		0.997	U	0.997	5.73

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB08-5-6-11132013**

Lab Sample ID: 600-82738-46 Date Sampled: 11/13/2013 0805
Client Matrix: Solid % Moisture: 14.5 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32819.D
Dilution:	0.98			Initial Weight/Volume:	5.17 g
Analysis Date:	11/24/2013 2016			Final Weight/Volume:	5.17 g
Prep Date:	11/22/2013 1216				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.09	U	1.09	5.73
2-Chlorotoluene		0.779	U	0.779	5.73
4-Chlorotoluene		0.951	U	0.951	5.73
1,3,5-Trimethylbenzene		1.83	U	1.83	5.73
tert-Butylbenzene		1.09	U	1.09	5.73
4-Isopropyltoluene		1.17	U	1.17	5.73
1,2,4-Trimethylbenzene		1.05	U	1.05	5.73
sec-Butylbenzene		0.802	U	0.802	5.73
1,3-Dichlorobenzene		0.813	U	0.813	5.73
1,4-Dichlorobenzene		0.756	U	0.756	5.73
1,2-Dichlorobenzene		0.917	U	0.917	5.73
n-Butylbenzene		0.665	U	0.665	5.73
1,2-Dibromo-3-Chloropropane		2.80	U	2.80	5.73
1,2,4-Trichlorobenzene		2.26	U	2.26	5.73
Hexachlorobutadiene		1.29	U	1.29	5.73
Naphthalene		2.72	U	2.72	11.5
1,2,3-Trichlorobenzene		0.710	U	0.710	5.73
Carbon disulfide		0.630	U	0.630	11.5
Acetone		22.3		1.90	11.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	110		50 - 130
Dibromofluoromethane	121		68 - 140
4-Bromofluorobenzene	97		57 - 140
1,2-Dichloroethane-d4 (Surr)	125		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **FD08-5-6-11132013**

Lab Sample ID: 600-82738-47
Client Matrix: Solid
% Moisture: 14.1

Date Sampled: 11/13/2013 0810
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32512.D
Dilution:	0.94			Initial Weight/Volume:	5.34 g
Analysis Date:	11/21/2013 1452			Final Weight/Volume:	5.34 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.68	U	1.68	5.47
Chloromethane		1.82	U	1.82	10.9
Vinyl chloride		0.985	U	0.985	10.9
Bromomethane		0.908	U	0.908	10.9
Chloroethane		1.53	U	1.53	10.9
Trichlorofluoromethane		0.722	U	0.722	10.9
1,1-Dichloroethene		1.33	U	1.33	5.47
trans-1,2-Dichloroethene		1.25	U	1.25	5.47
Methyl tert-butyl ether		2.00	U	2.00	5.47
Methylene Chloride		2.40	U	2.40	10.9
cis-1,2-Dichloroethene		0.908	U	0.908	5.47
2-Butanone (MEK)		2.08	U	2.08	10.9
Bromochloromethane		1.95	U	1.95	5.47
Carbon tetrachloride		1.24	U	1.24	5.47
Benzene		0.689	U	0.689	5.47
1,2-Dichloroethane		0.985	U	0.985	5.47
Trichloroethene		1.53	U	1.53	5.47
1,1,1-Trichloroethane		0.810	U	0.810	5.47
1,1-Dichloroethane		0.952	U	0.952	5.47
1,2-Dichloropropane		0.777	U	0.777	5.47
2,2-Dichloropropane		1.99	U	1.99	5.47
Dibromomethane		0.820	U	0.820	5.47
Chloroform		0.722	U	0.722	5.47
Bromodichloromethane		0.722	U	0.722	5.47
2-Chloroethyl vinyl ether		1.07	U	1.07	10.9
1,1-Dichloropropene		0.711	U	0.711	5.47
cis-1,3-Dichloropropene		0.591	U	0.591	5.47
Toluene		1.51	U	1.51	5.47
trans-1,3-Dichloropropene		0.634	U	0.634	5.47
1,1,2-Trichloroethane		0.799	U	0.799	43.8
Tetrachloroethene		0.777	U	0.777	5.47
1,3-Dichloropropane		0.689	U	0.689	5.47
Chlorodibromomethane		1.03	U	1.03	5.47
1,2-Dibromoethane		1.12	U	1.12	5.47
Chlorobenzene		1.05	U	1.05	5.47
1,1,1,2-Tetrachloroethane		1.53	U	1.53	5.47
Ethylbenzene		1.12	U	1.12	5.47
m-Xylene & p-Xylene		1.66	U	1.66	10.9
Xylenes, Total		1.24	U	1.24	5.47
o-Xylene		1.24	U	1.24	5.47
Styrene		0.777	U	0.777	5.47
Bromoform		1.50	U	1.50	5.47
Isopropylbenzene		1.01	U	1.01	5.47
Bromobenzene		1.08	U	1.08	5.47
1,2,3-Trichloropropane		1.43	U	1.43	5.47
1,1,2,2-Tetrachloroethane		0.952	U	0.952	5.47

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **FD08-5-6-11132013**

Lab Sample ID: 600-82738-47 Date Sampled: 11/13/2013 0810
Client Matrix: Solid % Moisture: 14.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32512.D
Dilution:	0.94			Initial Weight/Volume:	5.34 g
Analysis Date:	11/21/2013 1452			Final Weight/Volume:	5.34 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.04	U	1.04	5.47
2-Chlorotoluene		0.744	U	0.744	5.47
4-Chlorotoluene		0.908	U	0.908	5.47
1,3,5-Trimethylbenzene		1.75	U	1.75	5.47
tert-Butylbenzene		1.04	U	1.04	5.47
4-Isopropyltoluene		1.12	U	1.12	5.47
1,2,4-Trimethylbenzene		1.01	U	1.01	5.47
sec-Butylbenzene		0.766	U	0.766	5.47
1,3-Dichlorobenzene		0.777	U	0.777	5.47
1,4-Dichlorobenzene		0.722	U	0.722	5.47
1,2-Dichlorobenzene		0.875	U	0.875	5.47
n-Butylbenzene		0.634	U	0.634	5.47
1,2-Dibromo-3-Chloropropane		2.67	U	2.67	5.47
1,2,4-Trichlorobenzene		2.16	U	2.16	5.47
Hexachlorobutadiene		1.24	U	1.24	5.47
Naphthalene		2.59	U	2.59	10.9
1,2,3-Trichlorobenzene		0.678	U	0.678	5.47
Carbon disulfide		0.602	U	0.602	10.9
Acetone		57.4		1.82	10.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	81		50 - 130
Dibromofluoromethane	96		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	108		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-16-17-11132013**

Lab Sample ID: 600-82738-48
Client Matrix: Solid

Date Sampled: 11/13/2013 0840
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33018.D
Dilution:	10			Initial Weight/Volume:	6.70 g
Analysis Date:	11/26/2013 1803			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		575	U	575	1870
Chloromethane		619	U	619	3730
Vinyl chloride		336	U	336	3730
Bromomethane		802	J B	310	3730
Chloroethane		522	U	522	3730
Trichlorofluoromethane		246	U	246	3730
1,1-Dichloroethene		455	U	455	1870
trans-1,2-Dichloroethene		425	U	425	1870
Methyl tert-butyl ether		683	U	683	1870
Methylene Chloride		817	U	817	3730
cis-1,2-Dichloroethene		310	U	310	1870
2-Butanone (MEK)		709	U	709	3730
Bromochloromethane		664	U	664	1870
Carbon tetrachloride		422	U	422	1870
Benzene		235	U	235	1870
1,2-Dichloroethane		336	U	336	1870
Trichloroethene		522	U	522	1870
1,1,1-Trichloroethane		276	U	276	1870
1,1-Dichloroethane		325	U	325	1870
1,2-Dichloropropane		265	U	265	1870
2,2-Dichloropropane		679	U	679	1870
Dibromomethane		280	U	280	1870
Chloroform		246	U	246	1870
Bromodichloromethane		246	U	246	1870
2-Chloroethyl vinyl ether		366	U *	366	3730
1,1-Dichloropropene		243	U	243	1870
cis-1,3-Dichloropropene		201	U	201	1870
Toluene		515	U	515	1870
trans-1,3-Dichloropropene		216	U	216	1870
1,1,2-Trichloroethane		272	U	272	14900
Tetrachloroethene		705	J	265	1870
1,3-Dichloropropane		235	U	235	1870
Chlorodibromomethane		351	U	351	1870
1,2-Dibromoethane		381	U	381	1870
Chlorobenzene		358	U	358	1870
1,1,1,2-Tetrachloroethane		522	U	522	1870
Ethylbenzene		6210		381	1870
m-Xylene & p-Xylene		58100		567	3730
Xylenes, Total		147000		422	1870
o-Xylene		89000	E	422	1870
Styrene		2700		265	1870
Bromoform		511	U	511	1870
Isopropylbenzene		15900		343	1870
Bromobenzene		369	U	369	1870
1,2,3-Trichloropropane		489	U	489	1870
1,1,2,2-Tetrachloroethane		325	U	325	1870

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-16-17-11132013**

Lab Sample ID: 600-82738-48
Client Matrix: Solid

Date Sampled: 11/13/2013 0840
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33018.D
Dilution:	10			Initial Weight/Volume:	6.70 g
Analysis Date:	11/26/2013 1803			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		41100		354	1870
2-Chlorotoluene		254	U	254	1870
4-Chlorotoluene		310	U	310	1870
tert-Butylbenzene		354	U	354	1870
4-Isopropyltoluene		3230		381	1870
sec-Butylbenzene		6300		261	1870
1,3-Dichlorobenzene		265	U	265	1870
1,4-Dichlorobenzene		246	U	246	1870
1,2-Dichlorobenzene		299	U	299	1870
n-Butylbenzene		19400		216	1870
1,2-Dibromo-3-Chloropropane		910	U	910	1870
1,2,4-Trichlorobenzene		735	U	735	1870
Hexachlorobutadiene		422	U	422	1870
Naphthalene		29600	B	884	3730
1,2,3-Trichlorobenzene		231	U	231	1870
Acetone		619	U	619	3730
Carbon disulfide		205	U	205	3730

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		50 - 130
Dibromofluoromethane	94		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surr)	94		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-16-17-11132013**

Lab Sample ID: 600-82738-48
Client Matrix: Solid

Date Sampled: 11/13/2013 0840
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121793	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	T33214.D
Dilution:	40			Initial Weight/Volume:	6.70 g
Analysis Date:	11/28/2013 1737			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,3,5-Trimethylbenzene		66200		2390	7460
1,2,4-Trimethylbenzene		246000		1370	7460

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	88		57 - 140
1,2-Dichloroethane-d4 (Surr)	92		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-19-20-11132013**

Lab Sample ID: 600-82738-49
Client Matrix: Solid

Date Sampled: 11/13/2013 0845
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33016.D
Dilution:	20			Initial Weight/Volume:	5.73 g
Analysis Date:	11/26/2013 1715			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1340	U	1340	4360
Chloromethane		1450	U	1450	8730
Vinyl chloride		785	U	785	8730
Bromomethane		2600	J B	724	8730
Chloroethane		1220	U	1220	8730
Trichlorofluoromethane		576	U	576	8730
1,1-Dichloroethene		1060	U	1060	4360
trans-1,2-Dichloroethene		995	U	995	4360
Methyl tert-butyl ether		1600	U	1600	4360
Methylene Chloride		1910	U	1910	8730
cis-1,2-Dichloroethene		724	U	724	4360
2-Butanone (MEK)		1660	U	1660	8730
Bromochloromethane		1550	U	1550	4360
Carbon tetrachloride		986	U	986	4360
Benzene		550	U	550	4360
1,2-Dichloroethane		785	U	785	4360
Trichloroethene		1220	U	1220	4360
1,1,1-Trichloroethane		646	U	646	4360
1,1-Dichloroethane		759	U	759	4360
1,2-Dichloropropane		620	U	620	4360
2,2-Dichloropropane		1590	U	1590	4360
Dibromomethane		654	U	654	4360
Chloroform		576	U	576	4360
Bromodichloromethane		576	U	576	4360
2-Chloroethyl vinyl ether		855	U *	855	8730
1,1-Dichloropropene		567	U	567	4360
cis-1,3-Dichloropropene		471	U	471	4360
Toluene		1200	U	1200	4360
trans-1,3-Dichloropropene		506	U	506	4360
1,1,2-Trichloroethane		637	U	637	34900
Tetrachloroethene		620	U	620	4360
1,3-Dichloropropane		550	U	550	4360
Chlorodibromomethane		820	U	820	4360
1,2-Dibromoethane		890	U	890	4360
Chlorobenzene		838	U	838	4360
1,1,1,2-Tetrachloroethane		1220	U	1220	4360
Ethylbenzene		18800		890	4360
m-Xylene & p-Xylene		76800		1330	8730
Xylenes, Total		197000		986	4360
o-Xylene		120000		986	4360
Styrene		620	U	620	4360
Bromoform		1200	U	1200	4360
Isopropylbenzene		24400		803	4360
Bromobenzene		864	U	864	4360
1,2,3-Trichloropropane		1140	U	1140	4360
1,1,2,2-Tetrachloroethane		759	U	759	4360

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB08-19-20-11132013**

Lab Sample ID: 600-82738-49
Client Matrix: Solid

Date Sampled: 11/13/2013 0845
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33016.D
Dilution:	20			Initial Weight/Volume:	5.73 g
Analysis Date:	11/26/2013 1715			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		64600		829	4360
2-Chlorotoluene		593	U	593	4360
4-Chlorotoluene		724	U	724	4360
1,3,5-Trimethylbenzene		66800		1400	4360
tert-Butylbenzene		829	U	829	4360
4-Isopropyltoluene		2610	J	890	4360
1,2,4-Trimethylbenzene		258000	E	803	4360
sec-Butylbenzene		5150		611	4360
1,3-Dichlorobenzene		620	U	620	4360
1,4-Dichlorobenzene		576	U	576	4360
1,2-Dichlorobenzene		698	U	698	4360
n-Butylbenzene		17300		506	4360
1,2-Dibromo-3-Chloropropane		2130	U	2130	4360
1,2,4-Trichlorobenzene		1720	U	1720	4360
Hexachlorobutadiene		986	U	986	4360
Naphthalene		79600	B	2070	8730
1,2,3-Trichlorobenzene		541	U	541	4360
Acetone		1450	U	1450	8730
Carbon disulfide		480	U	480	8730

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		50 - 130
Dibromofluoromethane	94		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB08-24-25-11132013**

Lab Sample ID: 600-82738-50 Date Sampled: 11/13/2013 0850
Client Matrix: Solid % Moisture: 19.8 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32513.D
Dilution:	0.73			Initial Weight/Volume:	6.88 g
Analysis Date:	11/21/2013 1516			Final Weight/Volume:	6.88 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.40	U	1.40	4.55
Chloromethane		1.51	U	1.51	9.10
Vinyl chloride		0.819	U	0.819	9.10
Bromomethane		0.756	U	0.756	9.10
Chloroethane		1.27	U	1.27	9.10
Trichlorofluoromethane		0.601	U	0.601	9.10
1,1-Dichloroethene		1.11	U	1.11	4.55
trans-1,2-Dichloroethene		1.04	U	1.04	4.55
Methyl tert-butyl ether		1.67	U	1.67	4.55
Methylene Chloride		1.99	U	1.99	9.10
cis-1,2-Dichloroethene		0.756	U	0.756	4.55
2-Butanone (MEK)		13.5		1.73	9.10
Bromochloromethane		1.62	U	1.62	4.55
Carbon tetrachloride		1.03	U	1.03	4.55
Benzene		1.37	J	0.574	4.55
1,2-Dichloroethane		0.819	U	0.819	4.55
Trichloroethene		1.27	U	1.27	4.55
1,1,1-Trichloroethane		0.674	U	0.674	4.55
1,1-Dichloroethane		0.897	J	0.792	4.55
1,2-Dichloropropane		0.646	U	0.646	4.55
2,2-Dichloropropane		1.66	U	1.66	4.55
Dibromomethane		0.683	U	0.683	4.55
Chloroform		0.601	U	0.601	4.55
Bromodichloromethane		0.601	U	0.601	4.55
2-Chloroethyl vinyl ether		0.892	U	0.892	9.10
1,1-Dichloropropene		0.592	U	0.592	4.55
cis-1,3-Dichloropropene		0.492	U	0.492	4.55
Toluene		1.43	J	1.26	4.55
trans-1,3-Dichloropropene		0.528	U	0.528	4.55
1,1,2-Trichloroethane		0.665	U	0.665	36.4
Tetrachloroethene		0.646	U	0.646	4.55
1,3-Dichloropropane		0.574	U	0.574	4.55
Chlorodibromomethane		0.856	U	0.856	4.55
1,2-Dibromoethane		0.929	U	0.929	4.55
Chlorobenzene		0.874	U	0.874	4.55
1,1,1,2-Tetrachloroethane		1.27	U	1.27	4.55
Ethylbenzene		0.929	U	0.929	4.55
m-Xylene & p-Xylene		1.38	J	1.38	9.10
Xylenes, Total		1.38	J	1.03	4.55
o-Xylene		1.03	U	1.03	4.55
Styrene		0.646	U	0.646	4.55
Bromoform		1.25	U	1.25	4.55
Isopropylbenzene		0.838	U	0.838	4.55
Bromobenzene		0.901	U	0.901	4.55
1,2,3-Trichloropropane		1.19	U	1.19	4.55
1,1,2,2-Tetrachloroethane		0.792	U	0.792	4.55

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB08-24-25-11132013**

Lab Sample ID: 600-82738-50 Date Sampled: 11/13/2013 0850
Client Matrix: Solid % Moisture: 19.8 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32513.D
Dilution:	0.73			Initial Weight/Volume:	6.88 g
Analysis Date:	11/21/2013 1516			Final Weight/Volume:	6.88 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.865	U	0.865	4.55
2-Chlorotoluene		0.619	U	0.619	4.55
4-Chlorotoluene		0.756	U	0.756	4.55
1,3,5-Trimethylbenzene		1.46	U	1.46	4.55
tert-Butylbenzene		0.865	U	0.865	4.55
4-Isopropyltoluene		0.929	U	0.929	4.55
1,2,4-Trimethylbenzene		1.58	J	0.838	4.55
sec-Butylbenzene		0.637	U	0.637	4.55
1,3-Dichlorobenzene		0.646	U	0.646	4.55
1,4-Dichlorobenzene		0.601	U	0.601	4.55
1,2-Dichlorobenzene		0.728	U	0.728	4.55
n-Butylbenzene		0.528	U	0.528	4.55
1,2-Dibromo-3-Chloropropane		2.22	U	2.22	4.55
1,2,4-Trichlorobenzene		1.79	U	1.79	4.55
Hexachlorobutadiene		1.03	U	1.03	4.55
Naphthalene		2.60	J B	2.16	9.10
1,2,3-Trichlorobenzene		0.564	U	0.564	4.55
Carbon disulfide		1.07	J	0.501	9.10
Acetone		154		1.51	9.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	101		68 - 140
4-Bromofluorobenzene	81		57 - 140
1,2-Dichloroethane-d4 (Surr)	116		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-2-3-11132013**

Lab Sample ID: 600-82738-51
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/13/2013 0920
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32515.D
Dilution:	0.82			Initial Weight/Volume:	6.08 g
Analysis Date:	11/21/2013 1603			Final Weight/Volume:	6.08 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.48	U	1.48	4.82
Chloromethane		1.60	U	1.60	9.64
Vinyl chloride		0.868	U	0.868	9.64
Bromomethane		0.800	U	0.800	9.64
Chloroethane		1.35	U	1.35	9.64
Trichlorofluoromethane		0.636	U	0.636	9.64
1,1-Dichloroethene		1.18	U	1.18	4.82
trans-1,2-Dichloroethene		1.10	U	1.10	4.82
Methyl tert-butyl ether		1.76	U	1.76	4.82
Methylene Chloride		2.11	U	2.11	9.64
cis-1,2-Dichloroethene		0.800	U	0.800	4.82
2-Butanone (MEK)		1.83	U	1.83	9.64
Bromochloromethane		1.72	U	1.72	4.82
Carbon tetrachloride		1.09	U	1.09	4.82
Benzene		0.607	U	0.607	4.82
1,2-Dichloroethane		0.868	U	0.868	4.82
Trichloroethene		1.35	U	1.35	4.82
1,1,1-Trichloroethane		0.713	U	0.713	4.82
1,1-Dichloroethane		0.839	U	0.839	4.82
1,2-Dichloropropane		0.685	U	0.685	4.82
2,2-Dichloropropane		1.75	U	1.75	4.82
Dibromomethane		0.723	U	0.723	4.82
Chloroform		0.636	U	0.636	4.82
Bromodichloromethane		0.636	U	0.636	4.82
2-Chloroethyl vinyl ether		0.945	U	0.945	9.64
1,1-Dichloropropene		0.627	U	0.627	4.82
cis-1,3-Dichloropropene		0.521	U	0.521	4.82
Toluene		1.33	U	1.33	4.82
trans-1,3-Dichloropropene		0.559	U	0.559	4.82
1,1,2-Trichloroethane		0.704	U	0.704	38.6
Tetrachloroethene		0.685	U	0.685	4.82
1,3-Dichloropropane		0.607	U	0.607	4.82
Chlorodibromomethane		0.906	U	0.906	4.82
1,2-Dibromoethane		0.983	U	0.983	4.82
Chlorobenzene		0.926	U	0.926	4.82
1,1,1,2-Tetrachloroethane		1.35	U	1.35	4.82
Ethylbenzene		0.983	U	0.983	4.82
m-Xylene & p-Xylene		1.47	U	1.47	9.64
Xylenes, Total		1.09	U	1.09	4.82
o-Xylene		1.09	U	1.09	4.82
Styrene		0.685	U	0.685	4.82
Bromoform		1.32	U	1.32	4.82
Isopropylbenzene		0.887	U	0.887	4.82
Bromobenzene		0.955	U	0.955	4.82
1,2,3-Trichloropropane		1.26	U	1.26	4.82
1,1,2,2-Tetrachloroethane		0.839	U	0.839	4.82

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-2-3-11132013**

Lab Sample ID: 600-82738-51
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/13/2013 0920
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32515.D
Dilution:	0.82			Initial Weight/Volume:	6.08 g
Analysis Date:	11/21/2013 1603			Final Weight/Volume:	6.08 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.916	U	0.916	4.82
2-Chlorotoluene		0.656	U	0.656	4.82
4-Chlorotoluene		0.800	U	0.800	4.82
1,3,5-Trimethylbenzene		1.54	U	1.54	4.82
tert-Butylbenzene		0.916	U	0.916	4.82
4-Isopropyltoluene		0.983	U	0.983	4.82
1,2,4-Trimethylbenzene		0.887	U	0.887	4.82
sec-Butylbenzene		0.675	U	0.675	4.82
1,3-Dichlorobenzene		0.685	U	0.685	4.82
1,4-Dichlorobenzene		0.636	U	0.636	4.82
1,2-Dichlorobenzene		0.771	U	0.771	4.82
n-Butylbenzene		0.559	U	0.559	4.82
1,2-Dibromo-3-Chloropropane		2.35	U	2.35	4.82
1,2,4-Trichlorobenzene		1.90	U	1.90	4.82
Hexachlorobutadiene		1.09	U	1.09	4.82
Naphthalene		2.29	U	2.29	9.64
1,2,3-Trichlorobenzene		0.598	U	0.598	4.82
Carbon disulfide		0.530	U	0.530	9.64
Acetone		62.0		1.60	9.64

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	82		50 - 130
Dibromofluoromethane	101		68 - 140
4-Bromofluorobenzene	78		57 - 140
1,2-Dichloroethane-d4 (Surr)	113		61 - 130

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB09-5-6-11132013**

Lab Sample ID: 600-82738-52 Date Sampled: 11/13/2013 0925
Client Matrix: Solid % Moisture: 15.9 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32516.D
Dilution:	0.85			Initial Weight/Volume:	5.88 g
Analysis Date:	11/21/2013 1627			Final Weight/Volume:	5.88 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.56	U	1.56	5.05
Chloromethane		1.68	U	1.68	10.1
Vinyl chloride		0.909	U	0.909	10.1
Bromomethane		0.839	U	0.839	10.1
Chloroethane		1.41	U	1.41	10.1
Trichlorofluoromethane		0.667	U	0.667	10.1
1,1-Dichloroethene		1.23	U	1.23	5.05
trans-1,2-Dichloroethene		1.15	U	1.15	5.05
Methyl tert-butyl ether		1.85	U	1.85	5.05
Methylene Chloride		2.21	U	2.21	10.1
cis-1,2-Dichloroethene		0.839	U	0.839	5.05
2-Butanone (MEK)		1.92	U	1.92	10.1
Bromochloromethane		1.80	U	1.80	5.05
Carbon tetrachloride		1.14	U	1.14	5.05
Benzene		0.636	U	0.636	5.05
1,2-Dichloroethane		0.909	U	0.909	5.05
Trichloroethene		1.41	U	1.41	5.05
1,1,1-Trichloroethane		0.748	U	0.748	5.05
1,1-Dichloroethane		0.879	U	0.879	5.05
1,2-Dichloropropane		0.717	U	0.717	5.05
2,2-Dichloropropane		1.84	U	1.84	5.05
Dibromomethane		0.758	U	0.758	5.05
Chloroform		0.667	U	0.667	5.05
Bromodichloromethane		0.667	U	0.667	5.05
2-Chloroethyl vinyl ether		0.990	U	0.990	10.1
1,1-Dichloropropene		0.657	U	0.657	5.05
cis-1,3-Dichloropropene		0.546	U	0.546	5.05
Toluene		1.39	U	1.39	5.05
trans-1,3-Dichloropropene		0.586	U	0.586	5.05
1,1,2-Trichloroethane		0.737	U	0.737	40.4
Tetrachloroethene		0.717	U	0.717	5.05
1,3-Dichloropropane		0.636	U	0.636	5.05
Chlorodibromomethane		0.950	U	0.950	5.05
1,2-Dibromoethane		1.03	U	1.03	5.05
Chlorobenzene		0.970	U	0.970	5.05
1,1,1,2-Tetrachloroethane		1.41	U	1.41	5.05
Ethylbenzene		1.03	U	1.03	5.05
m-Xylene & p-Xylene		1.54	U	1.54	10.1
Xylenes, Total		1.14	U	1.14	5.05
o-Xylene		1.14	U	1.14	5.05
Styrene		0.717	U	0.717	5.05
Bromoform		1.38	U	1.38	5.05
Isopropylbenzene		0.929	U	0.929	5.05
Bromobenzene		1.00	U	1.00	5.05
1,2,3-Trichloropropane		1.32	U	1.32	5.05
1,1,2,2-Tetrachloroethane		0.879	U	0.879	5.05

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-5-6-11132013**

Lab Sample ID: 600-82738-52
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 11/13/2013 0925
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32516.D
Dilution:	0.85			Initial Weight/Volume:	5.88 g
Analysis Date:	11/21/2013 1627			Final Weight/Volume:	5.88 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.960	U	0.960	5.05
2-Chlorotoluene		0.687	U	0.687	5.05
4-Chlorotoluene		0.839	U	0.839	5.05
1,3,5-Trimethylbenzene		1.62	U	1.62	5.05
tert-Butylbenzene		0.960	U	0.960	5.05
4-Isopropyltoluene		1.03	U	1.03	5.05
1,2,4-Trimethylbenzene		0.929	U	0.929	5.05
sec-Butylbenzene		0.707	U	0.707	5.05
1,3-Dichlorobenzene		0.717	U	0.717	5.05
1,4-Dichlorobenzene		0.667	U	0.667	5.05
1,2-Dichlorobenzene		0.808	U	0.808	5.05
n-Butylbenzene		0.586	U	0.586	5.05
1,2-Dibromo-3-Chloropropane		2.47	U	2.47	5.05
1,2,4-Trichlorobenzene		1.99	U	1.99	5.05
Hexachlorobutadiene		1.14	U	1.14	5.05
Naphthalene		2.39	U	2.39	10.1
1,2,3-Trichlorobenzene		0.626	U	0.626	5.05
Carbon disulfide		0.556	U	0.556	10.1
Acetone		15.4		1.68	10.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	80		50 - 130
Dibromofluoromethane	100		68 - 140
4-Bromofluorobenzene	84		57 - 140
1,2-Dichloroethane-d4 (Surr)	115		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-16-17-11132013**

Lab Sample ID: 600-82738-53
Client Matrix: Solid

Date Sampled: 11/13/2013 1015
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33017.D
Dilution:	20			Initial Weight/Volume:	6.57 g
Analysis Date:	11/26/2013 1739			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1170	U	1170	3810
Chloromethane		1260	U	1260	7610
Vinyl chloride		685	U	685	7610
Bromomethane		1690	J B	632	7610
Chloroethane		1070	U	1070	7610
Trichlorofluoromethane		502	U	502	7610
1,1-Dichloroethene		928	U	928	3810
trans-1,2-Dichloroethene		868	U	868	3810
Methyl tert-butyl ether		1390	U	1390	3810
Methylene Chloride		1670	U	1670	7610
cis-1,2-Dichloroethene		632	U	632	3810
2-Butanone (MEK)		1450	U	1450	7610
Bromochloromethane		1350	U	1350	3810
Carbon tetrachloride		860	U	860	3810
Benzene		479	U	479	3810
1,2-Dichloroethane		685	U	685	3810
Trichloroethene		1070	U	1070	3810
1,1,1-Trichloroethane		563	U	563	3810
1,1-Dichloroethane		662	U	662	3810
1,2-Dichloropropane		540	U	540	3810
2,2-Dichloropropane		1390	U	1390	3810
Dibromomethane		571	U	571	3810
Chloroform		502	U	502	3810
Bromodichloromethane		502	U	502	3810
2-Chloroethyl vinyl ether		746	U *	746	7610
1,1-Dichloropropene		495	U	495	3810
cis-1,3-Dichloropropene		411	U	411	3810
Toluene		1050	U	1050	3810
trans-1,3-Dichloropropene		441	U	441	3810
1,1,2-Trichloroethane		556	U	556	30400
Tetrachloroethene		540	U	540	3810
1,3-Dichloropropane		479	U	479	3810
Chlorodibromomethane		715	U	715	3810
1,2-Dibromoethane		776	U	776	3810
Chlorobenzene		731	U	731	3810
1,1,1,2-Tetrachloroethane		1070	U	1070	3810
Ethylbenzene		36900		776	3810
Styrene		540	U	540	3810
Bromoform		1040	U	1040	3810
Isopropylbenzene		49000		700	3810
Bromobenzene		753	U	753	3810
1,2,3-Trichloropropane		997	U	997	3810
1,1,2,2-Tetrachloroethane		662	U	662	3810
N-Propylbenzene		131000		723	3810
2-Chlorotoluene		518	U	518	3810
4-Chlorotoluene		632	U	632	3810

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-16-17-11132013**

Lab Sample ID: 600-82738-53
Client Matrix: Solid

Date Sampled: 11/13/2013 1015
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33017.D
Dilution:	20			Initial Weight/Volume:	6.57 g
Analysis Date:	11/26/2013 1739			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,3,5-Trimethylbenzene		141000		1220	3810
tert-Butylbenzene		723	U	723	3810
4-Isopropyltoluene		4700		776	3810
sec-Butylbenzene		9650		533	3810
1,3-Dichlorobenzene		540	U	540	3810
1,4-Dichlorobenzene		502	U	502	3810
1,2-Dichlorobenzene		609	U	609	3810
n-Butylbenzene		30800		441	3810
1,2-Dibromo-3-Chloropropane		1860	U	1860	3810
1,2,4-Trichlorobenzene		1500	U	1500	3810
Hexachlorobutadiene		860	U	860	3810
Naphthalene		54300	B	1800	7610
1,2,3-Trichlorobenzene		472	U	472	3810
Acetone		1260	U	1260	7610
Carbon disulfide		419	U	419	7610

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	88		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-16-17-11132013**

Lab Sample ID: 600-82738-53
Client Matrix: Solid

Date Sampled: 11/13/2013 1015
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121793	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	T33215.D
Dilution:	40			Initial Weight/Volume:	6.57 g
Analysis Date:	11/28/2013 1801			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
m-Xylene & p-Xylene		151000		2310	15200
Xylenes, Total		163000		1720	7610
o-Xylene		11500		1720	7610
1,2,4-Trimethylbenzene		513000	E	1400	7610

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	86		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-18-19-11132013**

Lab Sample ID: 600-82738-54
Client Matrix: Solid

Date Sampled: 11/13/2013 1020
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33005.D
Dilution:	20			Initial Weight/Volume:	5.92 g
Analysis Date:	11/26/2013 1249			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1300	U	1300	4220
Chloromethane		1400	U	1400	8450
Vinyl chloride		760	U	760	8450
Bromomethane		2120	J B	701	8450
Chloroethane		1180	U	1180	8450
Trichlorofluoromethane		557	U	557	8450
1,1-Dichloroethene		1030	U	1030	4220
trans-1,2-Dichloroethene		963	U	963	4220
Methyl tert-butyl ether		1550	U	1550	4220
Methylene Chloride		1850	U	1850	8450
cis-1,2-Dichloroethene		701	U	701	4220
2-Butanone (MEK)		1600	U	1600	8450
Bromochloromethane		1500	U	1500	4220
Carbon tetrachloride		954	U	954	4220
Benzene		532	U	532	4220
1,2-Dichloroethane		760	U	760	4220
Trichloroethene		1180	U	1180	4220
1,1,1-Trichloroethane		625	U	625	4220
1,1-Dichloroethane		735	U	735	4220
1,2-Dichloropropane		600	U	600	4220
2,2-Dichloropropane		1540	U	1540	4220
Dibromomethane		633	U	633	4220
Chloroform		557	U	557	4220
Bromodichloromethane		557	U	557	4220
2-Chloroethyl vinyl ether		828	U *	828	8450
1,1-Dichloropropene		549	U	549	4220
cis-1,3-Dichloropropene		456	U	456	4220
Toluene		1170	U	1170	4220
trans-1,3-Dichloropropene		490	U	490	4220
1,1,2-Trichloroethane		617	U	617	33800
Tetrachloroethene		600	U	600	4220
1,3-Dichloropropane		532	U	532	4220
Chlorodibromomethane		794	U	794	4220
1,2-Dibromoethane		861	U	861	4220
Chlorobenzene		811	U	811	4220
1,1,1,2-Tetrachloroethane		1180	U	1180	4220
Ethylbenzene		20800		861	4220
m-Xylene & p-Xylene		75100		1280	8450
Xylenes, Total		81400		954	4220
o-Xylene		6270		954	4220
Styrene		600	U	600	4220
Bromoform		1160	U	1160	4220
Isopropylbenzene		29700		777	4220
Bromobenzene		836	U	836	4220
1,2,3-Trichloropropane		1110	U	1110	4220
1,1,2,2-Tetrachloroethane		735	U	735	4220

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-18-19-11132013**

Lab Sample ID: 600-82738-54
Client Matrix: Solid

Date Sampled: 11/13/2013 1020
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33005.D
Dilution:	20			Initial Weight/Volume:	5.92 g
Analysis Date:	11/26/2013 1249			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		80600		802	4220
2-Chlorotoluene		574	U	574	4220
4-Chlorotoluene		701	U	701	4220
1,3,5-Trimethylbenzene		83400		1350	4220
tert-Butylbenzene		47500		802	4220
4-Isopropyltoluene		3000	J	861	4220
1,2,4-Trimethylbenzene		291000	E	777	4220
sec-Butylbenzene		6210		591	4220
1,3-Dichlorobenzene		600	U	600	4220
1,4-Dichlorobenzene		557	U	557	4220
1,2-Dichlorobenzene		676	U	676	4220
n-Butylbenzene		19100		490	4220
1,2-Dibromo-3-Chloropropane		2060	U	2060	4220
1,2,4-Trichlorobenzene		1660	U	1660	4220
Hexachlorobutadiene		954	U	954	4220
Naphthalene		29000	B	2000	8450
1,2,3-Trichlorobenzene		524	U	524	4220
Acetone		1400	U	1400	8450
Carbon disulfide		465	U	465	8450

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-20-21-11132013**

Lab Sample ID: 600-82738-55
Client Matrix: Solid

Date Sampled: 11/13/2013 1025
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33019.D
Dilution:	10			Initial Weight/Volume:	7.10 g
Analysis Date:	11/26/2013 1826			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		542	U	542	1760
Chloromethane		585	U	585	3520
Vinyl chloride		317	U	317	3520
Bromomethane		873	J B	292	3520
Chloroethane		493	U	493	3520
Trichlorofluoromethane		232	U	232	3520
1,1-Dichloroethene		430	U	430	1760
trans-1,2-Dichloroethene		401	U	401	1760
Methyl tert-butyl ether		644	U	644	1760
Methylene Chloride		771	U	771	3520
cis-1,2-Dichloroethene		292	U	292	1760
2-Butanone (MEK)		669	U	669	3520
Bromochloromethane		627	U	627	1760
Carbon tetrachloride		398	U	398	1760
Benzene		222	U	222	1760
1,2-Dichloroethane		317	U	317	1760
Trichloroethene		493	U	493	1760
1,1,1-Trichloroethane		261	U	261	1760
1,1-Dichloroethane		306	U	306	1760
1,2-Dichloropropane		250	U	250	1760
2,2-Dichloropropane		641	U	641	1760
Dibromomethane		264	U	264	1760
Chloroform		232	U	232	1760
Bromodichloromethane		232	U	232	1760
2-Chloroethyl vinyl ether		345	U *	345	3520
1,1-Dichloropropene		229	U	229	1760
cis-1,3-Dichloropropene		190	U	190	1760
Toluene		486	U	486	1760
trans-1,3-Dichloropropene		204	U	204	1760
1,1,2-Trichloroethane		257	U	257	14100
Tetrachloroethene		250	U	250	1760
1,3-Dichloropropane		222	U	222	1760
Chlorodibromomethane		331	U	331	1760
1,2-Dibromoethane		359	U	359	1760
Chlorobenzene		338	U	338	1760
1,1,1,2-Tetrachloroethane		493	U	493	1760
Ethylbenzene		14100		359	1760
m-Xylene & p-Xylene		19500		535	3520
Xylenes, Total		20400		398	1760
o-Xylene		852	J	398	1760
Styrene		250	U	250	1760
Bromoform		482	U	482	1760
Isopropylbenzene		20300		324	1760
Bromobenzene		349	U	349	1760
1,2,3-Trichloropropane		461	U	461	1760
1,1,2,2-Tetrachloroethane		306	U	306	1760

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB09-20-21-11132013**

Lab Sample ID: 600-82738-55
Client Matrix: Solid

Date Sampled: 11/13/2013 1025
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Prep Method:	5035	Prep Batch:	600-121349	Lab File ID:	J33019.D
Dilution:	10			Initial Weight/Volume:	7.10 g
Analysis Date:	11/26/2013 1826			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		55500		335	1760
2-Chlorotoluene		239	U	239	1760
4-Chlorotoluene		292	U	292	1760
1,3,5-Trimethylbenzene		29800		563	1760
tert-Butylbenzene		335	U	335	1760
4-Isopropyltoluene		1900		359	1760
1,2,4-Trimethylbenzene		184000	E	324	1760
sec-Butylbenzene		3970		246	1760
1,3-Dichlorobenzene		250	U	250	1760
1,4-Dichlorobenzene		232	U	232	1760
1,2-Dichlorobenzene		282	U	282	1760
n-Butylbenzene		11800		204	1760
1,2-Dibromo-3-Chloropropane		859	U	859	1760
1,2,4-Trichlorobenzene		694	U	694	1760
Hexachlorobutadiene		398	U	398	1760
Naphthalene		20900	B	835	3520
1,2,3-Trichlorobenzene		218	U	218	1760
Acetone		585	U	585	3520
Carbon disulfide		194	U	194	3520

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	88		57 - 140
1,2-Dichloroethane-d4 (Surr)	93		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-2-3-11132013**

Lab Sample ID: 600-82738-56
Client Matrix: Solid

% Moisture: 8.1

Date Sampled: 11/13/2013 1130
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32514.D
Dilution:	1.02			Initial Weight/Volume:	4.89 g
Analysis Date:	11/21/2013 1539			Final Weight/Volume:	4.89 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.71	U	1.71	5.55
Chloromethane		1.84	U	1.84	11.1
Vinyl chloride		0.999	U	0.999	11.1
Bromomethane		0.922	U	0.922	11.1
Chloroethane		1.55	U	1.55	11.1
Trichlorofluoromethane		0.733	U	0.733	11.1
1,1-Dichloroethene		1.35	U	1.35	5.55
trans-1,2-Dichloroethene		1.27	U	1.27	5.55
Methyl tert-butyl ether		2.03	U	2.03	5.55
Methylene Chloride		2.43	U	2.43	11.1
cis-1,2-Dichloroethene		0.922	U	0.922	5.55
2-Butanone (MEK)		21.1		2.11	11.1
Bromochloromethane		1.98	U	1.98	5.55
Carbon tetrachloride		1.25	U	1.25	5.55
Benzene		1.77	J	0.699	5.55
1,2-Dichloroethane		0.999	U	0.999	5.55
Trichloroethene		1.55	U	1.55	5.55
1,1,1-Trichloroethane		0.822	U	0.822	5.55
1,1-Dichloroethane		0.966	U	0.966	5.55
1,2-Dichloropropane		0.788	U	0.788	5.55
2,2-Dichloropropane		2.02	U	2.02	5.55
Dibromomethane		0.833	U	0.833	5.55
Chloroform		0.733	U	0.733	5.55
Bromodichloromethane		0.733	U	0.733	5.55
2-Chloroethyl vinyl ether		1.09	U	1.09	11.1
1,1-Dichloropropene		0.722	U	0.722	5.55
cis-1,3-Dichloropropene		0.600	U	0.600	5.55
Toluene		1.81	J	1.53	5.55
trans-1,3-Dichloropropene		0.644	U	0.644	5.55
1,1,2-Trichloroethane		0.811	U	0.811	44.4
Tetrachloroethene		0.788	U	0.788	5.55
1,3-Dichloropropane		0.699	U	0.699	5.55
Chlorodibromomethane		1.04	U	1.04	5.55
1,2-Dibromoethane		1.13	U	1.13	5.55
Chlorobenzene		1.07	U	1.07	5.55
1,1,1,2-Tetrachloroethane		1.55	U	1.55	5.55
Ethylbenzene		1.13	U	1.13	5.55
m-Xylene & p-Xylene		1.69	U	1.69	11.1
Xylenes, Total		1.25	U	1.25	5.55
o-Xylene		1.25	U	1.25	5.55
Styrene		0.788	U	0.788	5.55
Bromoform		1.52	U	1.52	5.55
Isopropylbenzene		1.02	U	1.02	5.55
Bromobenzene		1.10	U	1.10	5.55
1,2,3-Trichloropropane		1.45	U	1.45	5.55
1,1,2,2-Tetrachloroethane		0.966	U	0.966	5.55

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB10-2-3-11132013**

Lab Sample ID: 600-82738-56 Date Sampled: 11/13/2013 1130
Client Matrix: Solid % Moisture: 8.1 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32514.D
Dilution:	1.02			Initial Weight/Volume:	4.89 g
Analysis Date:	11/21/2013 1539			Final Weight/Volume:	4.89 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.05	U	1.05	5.55
2-Chlorotoluene		0.755	U	0.755	5.55
4-Chlorotoluene		0.922	U	0.922	5.55
1,3,5-Trimethylbenzene		1.78	U	1.78	5.55
tert-Butylbenzene		1.05	U	1.05	5.55
4-Isopropyltoluene		1.13	U	1.13	5.55
1,2,4-Trimethylbenzene		1.02	U	1.02	5.55
sec-Butylbenzene		0.777	U	0.777	5.55
1,3-Dichlorobenzene		0.788	U	0.788	5.55
1,4-Dichlorobenzene		0.733	U	0.733	5.55
1,2-Dichlorobenzene		0.888	U	0.888	5.55
n-Butylbenzene		0.644	U	0.644	5.55
1,2-Dibromo-3-Chloropropane		2.71	U	2.71	5.55
1,2,4-Trichlorobenzene		2.19	U	2.19	5.55
Hexachlorobutadiene		1.25	U	1.25	5.55
Naphthalene		2.73	J B	2.63	11.1
1,2,3-Trichlorobenzene		0.688	U	0.688	5.55
Carbon disulfide		0.611	U	0.611	11.1
Acetone		128		1.84	11.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	96		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	112		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-5-6-11132013**

Lab Sample ID: 600-82738-57
Client Matrix: Solid

Date Sampled: 11/13/2013 1135
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E33012.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1944			Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		0.630	U	0.630	5.00
Chlorobromomethane		1.78	U	1.78	5.00
Bromoform		1.37	U	1.37	5.00
Bromomethane		0.830	U	0.830	10.0
2-Butanone (MEK)		1.90	U	1.90	10.0
Carbon tetrachloride		1.13	U	1.13	5.00
Dibromochloromethane		0.940	U	0.940	5.00
Chlorobenzene		0.960	U	0.960	5.00
Chloroethane		1.40	U	1.40	10.0
Chloroform		0.660	U	0.660	5.00
Chloromethane		1.66	U	1.66	10.0
1,1-Dichloroethane		0.870	U	0.870	5.00
1,2-Dichloroethane		0.900	U	0.900	5.00
1,1-Dichloroethene		1.22	U	1.22	5.00
cis-1,2-Dichloroethene		0.830	U	0.830	5.00
trans-1,2-Dichloroethene		1.14	U	1.14	5.00
1,2-Dichloropropane		0.710	U	0.710	5.00
cis-1,3-Dichloropropene		0.540	U	0.540	5.00
trans-1,3-Dichloropropene		0.580	U	0.580	5.00
Ethylbenzene		1.02	U	1.02	5.00
Methylene Chloride		2.19	U	2.19	10.0
Styrene		0.710	U	0.710	5.00
1,1,2,2-Tetrachloroethane		0.870	U	0.870	5.00
Tetrachloroethene		0.710	U	0.710	5.00
Toluene		1.38	U	1.38	5.00
1,1,1-Trichloroethane		0.740	U	0.740	5.00
1,1,2-Trichloroethane		0.730	U	0.730	40.0
Trichloroethene		1.40	U	1.40	5.00
Vinyl chloride		0.900	U	0.900	10.0
o-Xylene		1.13	U	1.13	5.00
m-Xylene & p-Xylene		1.52	U	1.52	10.0
Xylenes, Total		1.13	U	1.13	5.00
Bromodichloromethane		0.660	U	0.660	5.00
Dichlorodifluoromethane		1.54	U	1.54	5.00
Hexachlorobutadiene		1.13	U	1.13	5.00
n-Butylbenzene		0.580	U	0.580	5.00
1,2,4-Trimethylbenzene		0.920	U	0.920	5.00
2-Chlorotoluene		0.680	U	0.680	5.00
Dibromomethane		0.750	U	0.750	5.00
1,1-Dichloropropene		0.650	U	0.650	5.00
1,2,4-Trichlorobenzene		1.97	U	1.97	5.00
1,2-Dibromo-3-Chloropropane		2.44	U	2.44	5.00
1,3-Dichlorobenzene		0.710	U	0.710	5.00
Methyl tert-butyl ether		1.83	U	1.83	5.00
Naphthalene		2.37	U	2.37	10.0
4-Chlorotoluene		0.830	U	0.830	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-5-6-11132013**

Lab Sample ID: 600-82738-57
Client Matrix: Solid

Date Sampled: 11/13/2013 1135
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E33012.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1944			Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		0.990	U	0.990	5.00
1,2,3-Trichlorobenzene		0.620	U	0.620	5.00
1,2-Dichlorobenzene		0.800	U	0.800	5.00
1,1,1,2-Tetrachloroethane		1.40	U	1.40	5.00
sec-Butylbenzene		0.700	U	0.700	5.00
2-Chloroethyl vinyl ether		0.980	U *	0.980	10.0
Isopropylbenzene		0.920	U	0.920	5.00
2,2-Dichloropropane		1.82	U	1.82	5.00
N-Propylbenzene		0.950	U	0.950	5.00
Trichlorofluoromethane		0.660	U	0.660	10.0
4-Isopropyltoluene		1.02	U	1.02	5.00
1,2,3-Trichloropropane		1.31	U	1.31	5.00
1,3,5-Trimethylbenzene		1.60	U	1.60	5.00
1,2-Dibromoethane		1.02	U	1.02	5.00
tert-Butylbenzene		0.950	U	0.950	5.00
1,4-Dichlorobenzene		0.660	U	0.660	5.00
1,3-Dichloropropane		0.630	U	0.630	5.00
Carbon disulfide		0.550	U	0.550	10.0
Acetone		1.66	U	1.66	10.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		50 - 130
Dibromofluoromethane	97		68 - 140
4-Bromofluorobenzene	107		57 - 140
1,2-Dichloroethane-d4 (Surr)	115		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-15-16-11132013**

Lab Sample ID: 600-82738-58
Client Matrix: Solid

% Moisture: 22.7

Date Sampled: 11/13/2013 1215
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32511.D
Dilution:	1.18			Initial Weight/Volume:	4.25 g
Analysis Date:	11/21/2013 1428			Final Weight/Volume:	4.25 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		2.35	U	2.35	7.63
Chloromethane		2.53	U	2.53	15.3
Vinyl chloride		1.37	U	1.37	15.3
Bromomethane		1.27	U	1.27	15.3
Chloroethane		2.14	U	2.14	15.3
Trichlorofluoromethane		1.01	U	1.01	15.3
1,1-Dichloroethene		1.86	U	1.86	7.63
trans-1,2-Dichloroethene		1.74	U	1.74	7.63
Methyl tert-butyl ether		2.79	U	2.79	7.63
Methylene Chloride		3.34	U	3.34	15.3
cis-1,2-Dichloroethene		1.27	U	1.27	7.63
2-Butanone (MEK)		2.90	U	2.90	15.3
Bromochloromethane		2.72	U	2.72	7.63
Carbon tetrachloride		1.72	U	1.72	7.63
Benzene		0.961	U	0.961	7.63
1,2-Dichloroethane		1.37	U	1.37	7.63
Trichloroethene		2.14	U	2.14	7.63
1,1,1-Trichloroethane		1.13	U	1.13	7.63
1,1-Dichloroethane		1.33	U	1.33	7.63
1,2-Dichloropropane		1.08	U	1.08	7.63
2,2-Dichloropropane		2.78	U	2.78	7.63
Dibromomethane		1.14	U	1.14	7.63
Chloroform		1.01	U	1.01	7.63
Bromodichloromethane		1.01	U	1.01	7.63
2-Chloroethyl vinyl ether		1.50	U	1.50	15.3
1,1-Dichloropropene		0.992	U	0.992	7.63
cis-1,3-Dichloropropene		0.824	U	0.824	7.63
Toluene		2.11	U	2.11	7.63
trans-1,3-Dichloropropene		0.885	U	0.885	7.63
1,1,2-Trichloroethane		1.11	U	1.11	61.0
Tetrachloroethene		1.08	U	1.08	7.63
1,3-Dichloropropane		0.961	U	0.961	7.63
Chlorodibromomethane		1.43	U	1.43	7.63
1,2-Dibromoethane		1.56	U	1.56	7.63
Chlorobenzene		1.46	U	1.46	7.63
1,1,1,2-Tetrachloroethane		2.14	U	2.14	7.63
Ethylbenzene		1.56	U	1.56	7.63
m-Xylene & p-Xylene		2.32	U	2.32	15.3
Xylenes, Total		1.72	U	1.72	7.63
o-Xylene		1.72	U	1.72	7.63
Styrene		1.08	U	1.08	7.63
Bromoform		2.09	U	2.09	7.63
Isopropylbenzene		1.40	U	1.40	7.63
Bromobenzene		1.51	U	1.51	7.63
1,2,3-Trichloropropane		2.00	U	2.00	7.63
1,1,2,2-Tetrachloroethane		1.33	U	1.33	7.63

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB10-15-16-11132013**

Lab Sample ID: 600-82738-58 Date Sampled: 11/13/2013 1215
Client Matrix: Solid % Moisture: 22.7 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32511.D
Dilution:	1.18			Initial Weight/Volume:	4.25 g
Analysis Date:	11/21/2013 1428			Final Weight/Volume:	4.25 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		1.45	U	1.45	7.63
2-Chlorotoluene		1.04	U	1.04	7.63
4-Chlorotoluene		1.27	U	1.27	7.63
1,3,5-Trimethylbenzene		2.44	U	2.44	7.63
tert-Butylbenzene		1.45	U	1.45	7.63
4-Isopropyltoluene		1.56	U	1.56	7.63
1,2,4-Trimethylbenzene		1.40	U	1.40	7.63
sec-Butylbenzene		1.07	U	1.07	7.63
1,3-Dichlorobenzene		1.08	U	1.08	7.63
1,4-Dichlorobenzene		1.01	U	1.01	7.63
1,2-Dichlorobenzene		1.22	U	1.22	7.63
n-Butylbenzene		0.885	U	0.885	7.63
1,2-Dibromo-3-Chloropropane		3.72	U	3.72	7.63
1,2,4-Trichlorobenzene		3.01	U	3.01	7.63
Hexachlorobutadiene		1.72	U	1.72	7.63
Naphthalene		3.82	J B	3.62	15.3
1,2,3-Trichlorobenzene		0.946	U	0.946	7.63
Carbon disulfide		0.839	U	0.839	15.3
Acetone		12.1	J	2.53	15.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	96		68 - 140
4-Bromofluorobenzene	83		57 - 140
1,2-Dichloroethane-d4 (Surr)	103		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-20-21-11132013**

Lab Sample ID: 600-82738-59
Client Matrix: Solid

% Moisture: 18.3

Date Sampled: 11/13/2013 1220
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32510.D
Dilution:	0.83			Initial Weight/Volume:	6.06 g
Analysis Date:	11/21/2013 1403			Final Weight/Volume:	6.06 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.56	U	1.56	5.08
Chloromethane		1.69	U	1.69	10.2
Vinyl chloride		0.914	U	0.914	10.2
Bromomethane		0.843	U	0.843	10.2
Chloroethane		1.42	U	1.42	10.2
Trichlorofluoromethane		0.670	U	0.670	10.2
1,1-Dichloroethene		1.24	U	1.24	5.08
trans-1,2-Dichloroethene		1.16	U	1.16	5.08
Methyl tert-butyl ether		1.86	U	1.86	5.08
Methylene Chloride		2.22	U	2.22	10.2
cis-1,2-Dichloroethene		0.843	U	0.843	5.08
2-Butanone (MEK)		1.93	U	1.93	10.2
Bromochloromethane		1.81	U	1.81	5.08
Carbon tetrachloride		1.15	U	1.15	5.08
Benzene		2.18	J	0.640	5.08
1,2-Dichloroethane		0.914	U	0.914	5.08
Trichloroethene		1.42	U	1.42	5.08
1,1,1-Trichloroethane		0.752	U	0.752	5.08
1,1-Dichloroethane		0.884	U	0.884	5.08
1,2-Dichloropropane		2.15	J	0.721	5.08
2,2-Dichloropropane		1.85	U	1.85	5.08
Dibromomethane		0.762	U	0.762	5.08
Chloroform		0.670	U	0.670	5.08
Bromodichloromethane		0.670	U	0.670	5.08
2-Chloroethyl vinyl ether		0.995	U	0.995	10.2
1,1-Dichloropropene		0.660	U	0.660	5.08
cis-1,3-Dichloropropene		0.549	U	0.549	5.08
Toluene		2.45	J	1.40	5.08
trans-1,3-Dichloropropene		0.589	U	0.589	5.08
1,1,2-Trichloroethane		0.742	U	0.742	40.6
Tetrachloroethene		0.721	U	0.721	5.08
1,3-Dichloropropane		0.640	U	0.640	5.08
Chlorodibromomethane		0.955	U	0.955	5.08
1,2-Dibromoethane		1.04	U	1.04	5.08
Chlorobenzene		0.975	U	0.975	5.08
1,1,1,2-Tetrachloroethane		1.42	U	1.42	5.08
Ethylbenzene		1.04	U	1.04	5.08
m-Xylene & p-Xylene		1.54	U	1.54	10.2
Xylenes, Total		1.15	U	1.15	5.08
o-Xylene		1.15	U	1.15	5.08
Styrene		0.721	U	0.721	5.08
Bromoform		1.39	U	1.39	5.08
Isopropylbenzene		0.935	U	0.935	5.08
Bromobenzene		1.01	U	1.01	5.08
1,2,3-Trichloropropane		1.33	U	1.33	5.08
1,1,2,2-Tetrachloroethane		0.884	U	0.884	5.08

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB10-20-21-11132013**

Lab Sample ID: 600-82738-59 Date Sampled: 11/13/2013 1220
Client Matrix: Solid % Moisture: 18.3 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32510.D
Dilution:	0.83			Initial Weight/Volume:	6.06 g
Analysis Date:	11/21/2013 1403			Final Weight/Volume:	6.06 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.965	U	0.965	5.08
2-Chlorotoluene		0.691	U	0.691	5.08
4-Chlorotoluene		0.843	U	0.843	5.08
1,3,5-Trimethylbenzene		1.63	U	1.63	5.08
tert-Butylbenzene		0.965	U	0.965	5.08
4-Isopropyltoluene		1.04	U	1.04	5.08
1,2,4-Trimethylbenzene		0.935	U	0.935	5.08
sec-Butylbenzene		0.711	U	0.711	5.08
1,3-Dichlorobenzene		0.721	U	0.721	5.08
1,4-Dichlorobenzene		0.670	U	0.670	5.08
1,2-Dichlorobenzene		0.813	U	0.813	5.08
n-Butylbenzene		0.589	U	0.589	5.08
1,2-Dibromo-3-Chloropropane		2.48	U	2.48	5.08
1,2,4-Trichlorobenzene		2.00	U	2.00	5.08
Hexachlorobutadiene		1.15	U	1.15	5.08
Naphthalene		2.88	J B	2.41	10.2
1,2,3-Trichlorobenzene		0.630	U	0.630	5.08
Carbon disulfide		0.559	U	0.559	10.2
Acetone		39.3		1.69	10.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	79		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	80		57 - 140
1,2-Dichloroethane-d4 (Surr)	109		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **SB10-29-30-11132013**

Lab Sample ID: 600-82738-60
Client Matrix: Solid

% Moisture: 23.6

Date Sampled: 11/13/2013 1225
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32506.D
Dilution:	0.74			Initial Weight/Volume:	6.78 g
Analysis Date:	11/21/2013 1229			Final Weight/Volume:	6.78 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.49	U	1.49	4.84
Chloromethane		1.61	U	1.61	9.69
Vinyl chloride		0.872	U	0.872	9.69
Bromomethane		0.804	U	0.804	9.69
Chloroethane		1.36	U	1.36	9.69
Trichlorofluoromethane		0.640	U	0.640	9.69
1,1-Dichloroethene		1.18	U	1.18	4.84
trans-1,2-Dichloroethene		1.10	U	1.10	4.84
Methyl tert-butyl ether		1.77	U	1.77	4.84
Methylene Chloride		2.12	U	2.12	9.69
cis-1,2-Dichloroethene		0.804	U	0.804	4.84
2-Butanone (MEK)		1.84	U	1.84	9.69
Bromochloromethane		1.72	U	1.72	4.84
Carbon tetrachloride		1.09	U	1.09	4.84
Benzene		2.14	J	0.610	4.84
1,2-Dichloroethane		0.872	U	0.872	4.84
Trichloroethene		1.36	U	1.36	4.84
1,1,1-Trichloroethane		0.717	U	0.717	4.84
1,1-Dichloroethane		0.843	U	0.843	4.84
1,2-Dichloropropane		0.688	U	0.688	4.84
2,2-Dichloropropane		1.76	U	1.76	4.84
Dibromomethane		0.727	U	0.727	4.84
Chloroform		0.640	U	0.640	4.84
Bromodichloromethane		0.640	U	0.640	4.84
2-Chloroethyl vinyl ether		0.950	U	0.950	9.69
1,1-Dichloropropene		0.630	U	0.630	4.84
cis-1,3-Dichloropropene		0.523	U	0.523	4.84
Toluene		2.48	J	1.34	4.84
trans-1,3-Dichloropropene		0.562	U	0.562	4.84
1,1,2-Trichloroethane		0.707	U	0.707	38.8
Tetrachloroethene		0.688	U	0.688	4.84
1,3-Dichloropropane		0.610	U	0.610	4.84
Chlorodibromomethane		0.911	U	0.911	4.84
1,2-Dibromoethane		0.988	U	0.988	4.84
Chlorobenzene		0.930	U	0.930	4.84
1,1,1,2-Tetrachloroethane		1.36	U	1.36	4.84
Ethylbenzene		0.988	U	0.988	4.84
m-Xylene & p-Xylene		1.47	U	1.47	9.69
Xylenes, Total		1.09	U	1.09	4.84
o-Xylene		1.09	U	1.09	4.84
Styrene		0.688	U	0.688	4.84
Bromoform		1.33	U	1.33	4.84
Isopropylbenzene		0.891	U	0.891	4.84
Bromobenzene		0.959	U	0.959	4.84
1,2,3-Trichloropropane		1.27	U	1.27	4.84
1,1,2,2-Tetrachloroethane		0.843	U	0.843	4.84

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Client Sample ID: **SB10-29-30-11132013**

Lab Sample ID: 600-82738-60 Date Sampled: 11/13/2013 1225
Client Matrix: Solid % Moisture: 23.6 Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32506.D
Dilution:	0.74			Initial Weight/Volume:	6.78 g
Analysis Date:	11/21/2013 1229			Final Weight/Volume:	6.78 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.920	U	0.920	4.84
2-Chlorotoluene		0.659	U	0.659	4.84
4-Chlorotoluene		0.804	U	0.804	4.84
1,3,5-Trimethylbenzene		1.55	U	1.55	4.84
tert-Butylbenzene		0.920	U	0.920	4.84
4-Isopropyltoluene		0.988	U	0.988	4.84
1,2,4-Trimethylbenzene		0.891	U	0.891	4.84
sec-Butylbenzene		0.678	U	0.678	4.84
1,3-Dichlorobenzene		0.688	U	0.688	4.84
1,4-Dichlorobenzene		0.640	U	0.640	4.84
1,2-Dichlorobenzene		0.775	U	0.775	4.84
n-Butylbenzene		0.562	U	0.562	4.84
1,2-Dibromo-3-Chloropropane		2.36	U	2.36	4.84
1,2,4-Trichlorobenzene		1.91	U	1.91	4.84
Hexachlorobutadiene		1.09	U	1.09	4.84
Naphthalene		7.49	J B	2.30	9.69
1,2,3-Trichlorobenzene		0.601	U	0.601	4.84
Carbon disulfide		0.533	U	0.533	9.69
Acetone		10.6		1.61	9.69

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	81		50 - 130
Dibromofluoromethane	91		68 - 140
4-Bromofluorobenzene	82		57 - 140
1,2-Dichloroethane-d4 (Surr)	97		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **FD10-29-30-11132013**

Lab Sample ID: 600-82738-61
Client Matrix: Solid

% Moisture: 23.8

Date Sampled: 11/13/2013 1230
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32505.D
Dilution:	0.77			Initial Weight/Volume:	6.52 g
Analysis Date:	11/21/2013 1204			Final Weight/Volume:	6.52 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		1.56	U	1.56	5.05
Chloromethane		1.68	U	1.68	10.1
Vinyl chloride		0.909	U	0.909	10.1
Bromomethane		0.838	U	0.838	10.1
Chloroethane		1.41	U	1.41	10.1
Trichlorofluoromethane		0.667	U	0.667	10.1
1,1-Dichloroethene		1.23	U	1.23	5.05
trans-1,2-Dichloroethene		1.15	U	1.15	5.05
Methyl tert-butyl ether		1.85	U	1.85	5.05
Methylene Chloride		2.21	U	2.21	10.1
cis-1,2-Dichloroethene		0.838	U	0.838	5.05
2-Butanone (MEK)		1.92	U	1.92	10.1
Bromochloromethane		1.80	U	1.80	5.05
Carbon tetrachloride		1.14	U	1.14	5.05
Benzene		3.30	J	0.636	5.05
1,2-Dichloroethane		0.909	U	0.909	5.05
Trichloroethene		1.41	U	1.41	5.05
1,1,1-Trichloroethane		0.747	U	0.747	5.05
1,1-Dichloroethane		0.879	U	0.879	5.05
1,2-Dichloropropane		0.717	U	0.717	5.05
2,2-Dichloropropane		1.84	U	1.84	5.05
Dibromomethane		0.758	U	0.758	5.05
Chloroform		0.667	U	0.667	5.05
Bromodichloromethane		0.667	U	0.667	5.05
2-Chloroethyl vinyl ether		0.990	U	0.990	10.1
1,1-Dichloropropene		0.657	U	0.657	5.05
cis-1,3-Dichloropropene		0.545	U	0.545	5.05
Toluene		3.86	J	1.39	5.05
trans-1,3-Dichloropropene		0.586	U	0.586	5.05
1,1,2-Trichloroethane		0.737	U	0.737	40.4
Tetrachloroethene		0.846	J	0.717	5.05
1,3-Dichloropropane		0.636	U	0.636	5.05
Chlorodibromomethane		0.949	U	0.949	5.05
1,2-Dibromoethane		1.03	U	1.03	5.05
Chlorobenzene		0.970	U	0.970	5.05
1,1,1,2-Tetrachloroethane		1.41	U	1.41	5.05
Ethylbenzene		1.03	U	1.03	5.05
m-Xylene & p-Xylene		2.50	J	1.54	10.1
Xylenes, Total		2.50	J	1.14	5.05
o-Xylene		1.14	U	1.14	5.05
Styrene		0.717	U	0.717	5.05
Bromoform		1.38	U	1.38	5.05
Isopropylbenzene		0.929	U	0.929	5.05
Bromobenzene		1.00	U	1.00	5.05
1,2,3-Trichloropropane		1.32	U	1.32	5.05
1,1,2,2-Tetrachloroethane		0.879	U	0.879	5.05

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **FD10-29-30-11132013**

Lab Sample ID: 600-82738-61
Client Matrix: Solid

% Moisture: 23.8

Date Sampled: 11/13/2013 1230
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Prep Method:	5035	Prep Batch:	600-120942	Lab File ID:	k32505.D
Dilution:	0.77			Initial Weight/Volume:	6.52 g
Analysis Date:	11/21/2013 1204			Final Weight/Volume:	6.52 g
Prep Date:	11/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Propylbenzene		0.960	U	0.960	5.05
2-Chlorotoluene		0.687	U	0.687	5.05
4-Chlorotoluene		0.838	U	0.838	5.05
1,3,5-Trimethylbenzene		1.62	U	1.62	5.05
tert-Butylbenzene		0.960	U	0.960	5.05
4-Isopropyltoluene		1.03	U	1.03	5.05
1,2,4-Trimethylbenzene		1.40	J	0.929	5.05
sec-Butylbenzene		0.707	U	0.707	5.05
1,3-Dichlorobenzene		0.717	U	0.717	5.05
1,4-Dichlorobenzene		0.667	U	0.667	5.05
1,2-Dichlorobenzene		0.808	U	0.808	5.05
n-Butylbenzene		0.586	U	0.586	5.05
1,2-Dibromo-3-Chloropropane		2.46	U	2.46	5.05
1,2,4-Trichlorobenzene		1.99	U	1.99	5.05
Hexachlorobutadiene		1.14	U	1.14	5.05
Naphthalene		6.02	J B	2.39	10.1
1,2,3-Trichlorobenzene		0.626	U	0.626	5.05
Carbon disulfide		0.556	U	0.556	10.1
Acetone		48.6		1.68	10.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	77		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	75		57 - 140
1,2-Dichloroethane-d4 (Surr)	105		61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB05-11132013**

Lab Sample ID: 600-82738-63
Client Matrix: Water

Date Sampled: 11/13/2013 0800
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1503			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1503				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB05-11132013**

Lab Sample ID: 600-82738-63
Client Matrix: Water

Date Sampled: 11/13/2013 0800
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1503			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1503				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	93		62 - 130
Toluene-d8 (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB06-11132013**

Lab Sample ID: 600-82738-64
Client Matrix: Water

Date Sampled: 11/13/2013 0900
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1529			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1529				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Client Sample ID: **TB06-11132013**

Lab Sample ID: 600-82738-64
Client Matrix: Water

Date Sampled: 11/13/2013 0900
Date Received: 11/15/2013 0921

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C32216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1529			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1529				

Analyte	Result (ug/L)	Qualifier	MDL	RL
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		67 - 139
Dibromofluoromethane	97		62 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		50 - 134

General Chemistry

Client Sample ID: **SB01-2-3-11112013**

Lab Sample ID: 600-82738-2
Client Matrix: Solid

Date Sampled: 11/11/2013 1230
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB01-5-6-11112013**

Lab Sample ID: 600-82738-3 Date Sampled: 11/11/2013 1240
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	89		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB01-15-16-11112013**

Lab Sample ID: 600-82738-4
Client Matrix: Solid

Date Sampled: 11/11/2013 1325
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB01-20-21-11112013**

Lab Sample ID: 600-82738-5 Date Sampled: 11/11/2013 1330
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB01-24-25-11112013**

Lab Sample ID: 600-82738-6 Date Sampled: 11/11/2013 1335
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB02-2-3-11112013**

Lab Sample ID: 600-82738-7
Client Matrix: Solid

Date Sampled: 11/11/2013 1430
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB02-5-6-11112013**

Lab Sample ID: 600-82738-8 Date Sampled: 11/11/2013 1435
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB02-12-13-11112013**

Lab Sample ID: 600-82738-9 Date Sampled: 11/11/2013 1440
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	81		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB02-18-19-11112013**

Lab Sample ID: 600-82738-10
Client Matrix: Solid

Date Sampled: 11/11/2013 1515
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	82		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB02-24-25-11112013**

Lab Sample ID: 600-82738-11
Client Matrix: Solid

Date Sampled: 11/11/2013 1520
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **FD02-24-25-11112013**

Lab Sample ID: 600-82738-12 Date Sampled: 11/11/2013 1530

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB03-2-3-11112013**

Lab Sample ID: 600-82738-14 Date Sampled: 11/11/2013 1610
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB03-5-6-11112013**

Lab Sample ID: 600-82738-15 Date Sampled: 11/11/2013 1615
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB03-15-16-11112013**

Lab Sample ID: 600-82738-16
Client Matrix: Solid

Date Sampled: 11/11/2013 1630
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	90		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB03-18-19-11112013**

Lab Sample ID: 600-82738-17 Date Sampled: 11/11/2013 1655
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	82		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB03-24-25-11112013**

Lab Sample ID: 600-82738-18 Date Sampled: 11/11/2013 1705
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	89		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB04-2-3-11122013**

Lab Sample ID: 600-82738-20 Date Sampled: 11/12/2013 0850
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	9.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	90		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB04-5-6-11122013**

Lab Sample ID: 600-82738-21 Date Sampled: 11/12/2013 0855
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB04-15-16-11122013**

Lab Sample ID: 600-82738-22 Date Sampled: 11/12/2013 0910
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB04-20-21-11122013**

Lab Sample ID: 600-82738-23 Date Sampled: 11/12/2013 0915
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	81		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **FD04-20-21-11122013**

Lab Sample ID: 600-82738-24 Date Sampled: 11/12/2013 1000
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB04-29-30-11122013**

Lab Sample ID: 600-82738-25 Date Sampled: 11/12/2013 1005
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N
Percent Solids	83		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB05-2-3-11122013**

Lab Sample ID: 600-82738-26 Date Sampled: 11/12/2013 1055

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB05-5-6-11122013**

Lab Sample ID: 600-82738-27 Date Sampled: 11/12/2013 1100

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB05-11-12-11122013**

Lab Sample ID: 600-82738-28 Date Sampled: 11/12/2013 1125
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB05-18-19-11122013**

Lab Sample ID: 600-82738-29 Date Sampled: 11/12/2013 1135
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB05-25-26-11122013**

Lab Sample ID: 600-82738-30 Date Sampled: 11/12/2013 1140
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB06-2-3-11122013**

Lab Sample ID: 600-82738-32 Date Sampled: 11/12/2013 1230
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB06-5-6-11122013**

Lab Sample ID: 600-82738-33 Date Sampled: 11/12/2013 1235

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB06-11-12-11122013**

Lab Sample ID: 600-82738-34 Date Sampled: 11/12/2013 1305
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	20		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	80		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB06-16-17-11122013**

Lab Sample ID: 600-82738-35 Date Sampled: 11/12/2013 1320
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB06-21-22-11122013**

Lab Sample ID: 600-82738-36
Client Matrix: Solid

Date Sampled: 11/12/2013 1333
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	20		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	80		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **FD06-21-22-11122013**

Lab Sample ID: 600-82738-37 Date Sampled: 11/12/2013 1335
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB07-2-3-11122013**

Lab Sample ID: 600-82738-39 Date Sampled: 11/12/2013 1545
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB07-5-6-11122013**

Lab Sample ID: 600-82738-40 Date Sampled: 11/12/2013 1600

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB07-14-15-11122013**

Lab Sample ID: 600-82738-41 Date Sampled: 11/12/2013 1635
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	83		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB07-20-21-11122013**

Lab Sample ID: 600-82738-42
Client Matrix: Solid

Date Sampled: 11/12/2013 1645
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	30		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N
Percent Solids	70		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N

General Chemistry

Client Sample ID: **SB07-29-30-11122013**

Lab Sample ID: 600-82738-43 Date Sampled: 11/12/2013 1700
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB08-2-3-11132013**

Lab Sample ID: 600-82738-45
Client Matrix: Solid

Date Sampled: 11/13/2013 0800
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N

General Chemistry

Client Sample ID: **SB08-5-6-11132013**

Lab Sample ID: 600-82738-46 Date Sampled: 11/13/2013 0805
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **FD08-5-6-11132013**

Lab Sample ID: 600-82738-47 Date Sampled: 11/13/2013 0810

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB08-16-17-11132013**

Lab Sample ID: 600-82738-48
Client Matrix: Solid

Date Sampled: 11/13/2013 0840
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB08-19-20-11132013**

Lab Sample ID: 600-82738-49 Date Sampled: 11/13/2013 0845
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB08-24-25-11132013**

Lab Sample ID: 600-82738-50 Date Sampled: 11/13/2013 0850

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	20		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	80		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB09-2-3-11132013**

Lab Sample ID: 600-82738-51 Date Sampled: 11/13/2013 0920

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835		Analysis Date: 11/19/2013 0847				DryWt Corrected: N

General Chemistry

Client Sample ID: **SB09-5-6-11132013**

Lab Sample ID: 600-82738-52 Date Sampled: 11/13/2013 0925
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB09-16-17-11132013**

Lab Sample ID: 600-82738-53
Client Matrix: Solid

Date Sampled: 11/13/2013 1015
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB09-18-19-11132013**

Lab Sample ID: 600-82738-54 Date Sampled: 11/13/2013 1020
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB09-20-21-11132013**

Lab Sample ID: 600-82738-55 Date Sampled: 11/13/2013 1025

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	25		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	75		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB10-2-3-11132013**

Lab Sample ID: 600-82738-56 Date Sampled: 11/13/2013 1130
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	8.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB10-5-6-11132013**

Lab Sample ID: 600-82738-57 Date Sampled: 11/13/2013 1135
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB10-15-16-11132013**

Lab Sample ID: 600-82738-58
Client Matrix: Solid

Date Sampled: 11/13/2013 1215
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	23		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N
Percent Solids	77		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847					DryWt Corrected: N

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

General Chemistry

Client Sample ID: **SB10-20-21-11132013**

Lab Sample ID: 600-82738-59
Client Matrix: Solid

Date Sampled: 11/13/2013 1220
Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	82		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB10-29-30-11132013**

Lab Sample ID: 600-82738-60 Date Sampled: 11/13/2013 1225
Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

General Chemistry

Client Sample ID: **FD10-29-30-11132013**

Lab Sample ID: 600-82738-61 Date Sampled: 11/13/2013 1230

Client Matrix: Solid Date Received: 11/15/2013 0921

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	24		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N
Percent Solids	76		%	1.0	1.0	1.0	Moisture
Analysis Batch: 600-120835	Analysis Date: 11/19/2013 0847						DryWt Corrected: N

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-82738-2	SB01-2-3-11112013	84	101	77	76
600-82738-3	SB01-5-6-11112013	92	102	83	77
600-82738-4	SB01-15-16-11112013	85	101	80	78
600-82738-5	SB01-20-21-11112013	84	98	77	79
600-82738-6	SB01-24-25-11112013	83	99	82	80
600-82738-7	SB02-2-3-11112013	87	99	79	85
600-82738-8	SB02-5-6-11112013	95	100	86	85
600-82738-9	SB02-12-13-11112013	88	98	76	82
600-82738-10	SB02-18-19-11112013	86	103	79	75
600-82738-11	SB02-24-25-11112013	90	92	80	81
600-82738-12	FD02-24-25-11112013	86	97	79	82
600-82738-14	SB03-2-3-11112013	93	106	83	84
600-82738-15	SB03-5-6-11112013	91	103	80	80
600-82738-16	SB03-15-16-11112013	93	113	83	83
600-82738-18	SB03-24-25-11112013	89	102	81	79
600-82738-20	SB04-2-3-11122013	83	99	80	82
600-82738-21	SB04-5-6-11122013	89	102	84	81
600-82738-22	SB04-15-16-11122013	82	92	78	81
600-82738-23	SB04-20-21-11122013	84	88	80	78
600-82738-24	FD04-20-21-11122013	83	88	76	79
600-82738-25	SB04-29-30-11122013	81	93	80	81
600-82738-26	SB05-2-3-11122013	87	94	81	80

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-82738-27	SB05-5-6-11122013	106	114	101	87
600-82738-28	SB05-11-12-11122013	122	127	108	101
600-82738-29	SB05-18-19-11122013	103	106	99	87
600-82738-30	SB05-25-26-11122013	105	116	95	102
600-82738-32	SB06-2-3-11122013	127	129	110	102
600-82738-33	SB06-5-6-11122013	126	127	106	96
600-82738-34	SB06-11-12-11122013	110	124	84	87
600-82738-35	SB06-16-17-11122013	104	122	88	99
600-82738-36	SB06-21-22-11122013	106	121	83	84
600-82738-37	FD06-21-22-11122013	99	114	83	85
600-82738-39	SB07-2-3-11122013	103	117	84	85
600-82738-40	SB07-5-6-11122013	104	117	86	88
600-82738-41	SB07-14-15-11122013	104	116	87	89
600-82738-43	SB07-29-30-11122013	101	111	82	83
600-82738-45	SB08-2-3-11132013	102	119	97	81
600-82738-46	SB08-5-6-11132013	121	125	110	97
600-82738-47	FD08-5-6-11132013	96	108	81	80
600-82738-50	SB08-24-25-11132013	101	116	80	81
600-82738-51	SB09-2-3-11132013	101	113	82	78
600-82738-52	SB09-5-6-11132013	100	115	80	84
600-82738-56	SB10-2-3-11132013	96	112	83	80
600-82738-57	SB10-5-6-11132013	97	115	93	107
600-82738-58	SB10-15-16-11132013	96	103	84	83

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-82738-59	SB10-20-21-11132013	95	109	79	80
600-82738-60	SB10-29-30-11132013	91	97	81	82
600-82738-61	FD10-29-30-11132013	95	105	77	75
MB 600-121113/4		78	79	84	88
MB 600-121151/4		96	97	77	79
MB 600-121230/5		77	84	81	86
MB 600-121251/4		102	100	100	82
MB 600-121357/8		100	84	100	96
MB 600-121704/4		86	83	94	90
LCS 600-121113/3		78	75	77	78
LCS 600-121151/3		95	98	77	74
LCS 600-121230/3		79	83	79	80
LCS 600-121251/3		71	84	65	79
LCS 600-121357/9		100	88	104	94
LCS 600-121704/3		95	109	88	89
LCSD 600-121113/10		83	90	79	83
LCSD 600-121230/4		78	91	75	79
LCSD 600-121251/6		104	105	89	83
LCSD 600-121357/11		107	100	118	106
LCSD 600-121704/5		92	93	93	96
600-82738-2 MS	SB01-2-3-11112013MS MS	92	103	79	82
600-82738-27 MS	SB05-5-6-11122013MS MS	100	108	131* X	106*
600-82738-2 MSD	SB01-2-3-11112013MSD MSD	89	105	84	81
600-82738-27MSD	SB05-5-6-11122013MSD MSD	101	108	96	106

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-82738-17	SB03-18-19-1111201 3	93	92	94	92
600-82738-42	SB07-20-21-1112201 3	93	92	91	90
600-82738-42	SB07-20-21-1112201 3	91	89	89	83
600-82738-48	SB08-16-17-1113201 3	94	94	95	89
600-82738-48	SB08-16-17-1113201 3	95	92	93	88
600-82738-49	SB08-19-20-1113201 3	94	93	95	89
600-82738-53	SB09-16-17-1113201 3	93	93	94	88
600-82738-53	SB09-16-17-1113201 3	93	93	93	86
600-82738-54	SB09-18-19-1113201 3	93	93	94	89
600-82738-55	SB09-20-21-1113201 3	95	93	95	88
MB 600-121548/2-A		93	91	94	90
LCS 600-121548/1-A		90	85	89	86
600-82738-54 MS	SB09-18-19-1113201 3MS MS	95	89	93	89
600-82738-54 MSD	SB09-18-19-1113201 3MSD MSD	95	90	92	90

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-82738-13	TB01-11112013	93	98	97	102
600-82738-19	TB02-11112013	97	101	97	106
600-82738-38	TB03-11122013	99	102	101	108
600-82738-44	TB04-11122013	93	96	98	103
600-82738-63	TB05-11132013	93	94	95	102
600-82738-64	TB06-11132013	97	101	100	105
MB 600-120809/4		90	94	94	99
LCS 600-120809/3		103	106	101	104
600-82739-E-1 MS		104	114	97	106
600-82739-E-1 MSD		105	116	100	107

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Method Blank - Batch: 600-120809

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 600-120809/4	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1009	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1009				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
1,1-Dichloropropene	0.210	U	0.210	1.00
1,2,3-Trichlorobenzene	0.6651	J	0.570	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trichlorobenzene	0.4322	J	0.310	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
Benzene	0.0800	U	0.0800	1.00
Bromobenzene	0.190	U	0.190	1.00
Bromochloromethane	0.180	U	0.180	1.00
Bromodichloromethane	0.160	U	0.160	1.00
Bromoform	0.190	U	0.190	1.00
Bromomethane	0.250	U	0.250	2.00
Carbon tetrachloride	0.150	U	0.150	1.00
Chlorobenzene	0.120	U	0.120	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
Chloroethane	0.0800	U	0.0800	2.00
Chloroform	0.130	U	0.130	1.00
Chloromethane	0.180	U	0.180	2.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Dibromomethane	0.520	U	0.520	1.00
Dichlorodifluoromethane	0.120	U	0.120	1.00
Ethylbenzene	0.110	U	0.110	1.00
Hexachlorobutadiene	0.3821	J	0.170	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-120809

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 600-120809/4	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32204.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1009	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1009				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methylene Chloride	0.150	U	0.150	5.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Naphthalene	0.8564	J	0.320	2.00
n-Butylbenzene	0.160	U	0.160	1.00
N-Propylbenzene	0.150	U	0.150	1.00
o-Xylene	0.120	U	0.120	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
Tetrachloroethene	0.130	U	0.130	1.00
Toluene	0.150	U	0.150	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
Trichloroethene	0.180	U	0.180	1.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
Vinyl chloride	0.110	U	0.110	2.00
Xylenes, Total	0.260	U	0.260	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	67 - 139
Dibromofluoromethane	90	62 - 130
Toluene-d8 (Surr)	94	70 - 130
1,2-Dichloroethane-d4 (Surr)	94	50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample - Batch: 600-120809

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 600-120809/3	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 0917	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 0917				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	9.394	94	57 - 136	
1,1,1-Trichloroethane	10.0	9.479	95	65 - 142	
1,1,2,2-Tetrachloroethane	10.0	9.749	97	68 - 134	
1,1,2-Trichloroethane	10.0	8.893	89	68 - 130	
1,1-Dichloroethane	10.0	9.004	90	66 - 126	
1,1-Dichloroethene	10.0	8.556	86	59 - 145	
1,1-Dichloropropene	10.0	9.466	95	59 - 134	
1,2,3-Trichlorobenzene	10.0	9.825	98	38 - 152	
1,2,3-Trichloropropane	10.0	8.957	90	52 - 157	
1,2,4-Trichlorobenzene	10.0	9.620	96	55 - 151	
1,2,4-Trimethylbenzene	10.0	9.209	92	63 - 131	
1,2-Dibromo-3-Chloropropane	10.0	8.087	81	43 - 141	
1,2-Dibromoethane	10.0	9.097	91	68 - 128	
1,2-Dichlorobenzene	10.0	9.104	91	71 - 133	
1,2-Dichloroethane	10.0	9.114	91	66 - 140	
1,2-Dichloropropane	10.0	8.901	89	72 - 125	
1,3,5-Trimethylbenzene	10.0	9.307	93	63 - 132	
1,3-Dichlorobenzene	10.0	9.077	91	71 - 132	
1,3-Dichloropropane	10.0	9.064	91	62 - 132	
1,4-Dichlorobenzene	10.0	8.958	90	72 - 131	
2,2-Dichloropropane	10.0	9.798	98	43 - 169	
2-Butanone (MEK)	20.0	17.20	86	59 - 133	
2-Chloroethyl vinyl ether	20.0	9.934	50	10 - 209	
2-Chlorotoluene	10.0	8.888	89	58 - 135	
4-Chlorotoluene	10.0	9.038	90	64 - 134	
Benzene	10.0	8.868	89	69 - 131	
Bromobenzene	10.0	9.123	91	61 - 134	
Bromochloromethane	10.0	8.907	89	60 - 141	
Bromodichloromethane	10.0	9.092	91	73 - 130	
Bromoform	10.0	7.957	80	39 - 149	
Bromomethane	10.0	11.19	112	52 - 146	
Carbon tetrachloride	10.0	9.713	97	59 - 147	
Chlorobenzene	10.0	9.101	91	60 - 136	
Chlorodibromomethane	10.0	9.119	91	58 - 132	
Chloroethane	10.0	10.37	104	56 - 144	
Chloroform	10.0	8.960	90	69 - 128	
Chloromethane	10.0	10.16	102	32 - 151	
cis-1,2-Dichloroethene	10.0	9.239	92	69 - 129	
cis-1,3-Dichloropropene	10.0	9.531	95	60 - 135	
Dibromomethane	10.0	9.126	91	68 - 134	
Dichlorodifluoromethane	10.0	12.98	130	12 - 136	
Ethylbenzene	10.0	9.156	92	68 - 128	
Hexachlorobutadiene	10.0	8.973	90	53 - 140	
Isopropylbenzene	10.0	9.207	92	79 - 146	
Methyl tert-butyl ether	10.0	8.954	90	63 - 142	
Methylene Chloride	10.0	9.204	92	62 - 134	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample - Batch: 600-120809

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 600-120809/3	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32202.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 0917	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 0917				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
m-Xylene & p-Xylene	10.0	9.296	93	67 - 132	
Naphthalene	10.0	9.464	95	19 - 195	
n-Butylbenzene	10.0	9.789	98	62 - 132	
N-Propylbenzene	10.0	9.209	92	61 - 137	
o-Xylene	10.0	9.287	93	68 - 134	
p-Isopropyltoluene	10.0	9.374	94	63 - 138	
sec-Butylbenzene	10.0	9.408	94	61 - 134	
Styrene	10.0	9.577	96	68 - 133	
tert-Butylbenzene	10.0	9.326	93	67 - 148	
Tetrachloroethene	10.0	9.128	91	61 - 142	
Toluene	10.0	9.085	91	67 - 130	
trans-1,2-Dichloroethene	10.0	9.077	91	70 - 132	
trans-1,3-Dichloropropene	10.0	8.352	84	63 - 133	
Trichloroethene	10.0	8.955	90	68 - 130	
Trichlorofluoromethane	10.0	11.05	110	55 - 142	
Vinyl chloride	10.0	10.55	106	47 - 146	
Xylenes, Total	20.0	18.58	93	68 - 132	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	67 - 139
Dibromofluoromethane	103	62 - 130
Toluene-d8 (Surr)	101	70 - 130
1,2-Dichloroethane-d4 (Surr)	106	50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120809

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-82739-E-1 MS	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32209.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1229			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1229				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82739-E-1 MSD	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32210.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1254			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1254				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	94	92	60 - 140	2	30		
1,1,1-Trichloroethane	109	104	60 - 140	4	30		
1,1,2,2-Tetrachloroethane	93	95	60 - 140	2	30		
1,1,2-Trichloroethane	94	91	60 - 140	3	30		
1,1-Dichloroethane	100	95	60 - 140	5	30		
1,1-Dichloroethene	84	80	22 - 143	5	30		
1,1-Dichloropropene	103	99	60 - 140	4	30		
1,2,3-Trichlorobenzene	65	82	60 - 140	17	30		
1,2,3-Trichloropropane	95	93	60 - 140	3	30		
1,2,4-Trichlorobenzene	77	86	60 - 140	9	30		
1,2,4-Trimethylbenzene	102	98	60 - 140	4	30		
1,2-Dibromo-3-Chloropropane	77	82	60 - 140	7	30		
1,2-Dibromoethane	94	90	60 - 140	5	30		
1,2-Dichlorobenzene	89	89	60 - 140	1	30		
1,2-Dichloroethane	100	97	60 - 140	3	30		
1,2-Dichloropropane	98	95	60 - 140	3	30		
1,3,5-Trimethylbenzene	104	98	60 - 140	5	30		
1,3-Dichlorobenzene	93	90	60 - 140	3	30		
1,3-Dichloropropane	93	92	60 - 140	1	30		
1,4-Dichlorobenzene	91	88	60 - 140	3	30		
2,2-Dichloropropane	110	105	60 - 140	6	30		
2-Butanone (MEK)	91	98	60 - 140	7	30		
2-Chloroethyl vinyl ether	40	30	60 - 140	29	30	F	F
2-Chlorotoluene	98	93	60 - 140	5	30		
4-Chlorotoluene	98	94	60 - 140	5	30		
Benzene	162	118	65 - 125	5	30	E 4	E 4
Bromobenzene	94	91	60 - 140	4	30		
Bromochloromethane	100	94	60 - 140	6	30		
Bromodichloromethane	94	92	60 - 140	2	30		
Bromoform	73	74	60 - 140	2	30		
Bromomethane	81	97	60 - 140	19	30		
Carbon tetrachloride	107	103	60 - 140	4	30		
Chlorobenzene	94	91	72 - 122	3	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120809

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-82739-E-1 MS	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32209.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1229			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1229				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82739-E-1 MSD	Analysis Batch:	600-120809	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C32210.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/18/2013 1254			Final Weight/Volume:	20 mL
Prep Date:	11/18/2013 1254				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorodibromomethane	89	90	60 - 140	1	30		
Chloroethane	100	104	60 - 140	4	30		
Chloroform	101	96	60 - 140	5	30		
Chloromethane	87	89	60 - 140	2	30		
cis-1,2-Dichloroethene	103	98	60 - 140	5	30		
cis-1,3-Dichloropropene	98	95	60 - 140	3	30		
Dibromomethane	98	96	60 - 140	2	30		
Dichlorodifluoromethane	101	102	60 - 140	1	30		
Ethylbenzene	104	99	60 - 140	4	30		
Hexachlorobutadiene	87	92	60 - 140	4	30		
Isopropylbenzene	104	98	60 - 140	6	30		
Methyl tert-butyl ether	101	97	60 - 140	4	30		
Methylene Chloride	109	104	60 - 140	5	30		
m-Xylene & p-Xylene	109	102	60 - 140	4	30		
Naphthalene	62	79	60 - 140	17	30		
n-Butylbenzene	104	101	60 - 140	2	30		
N-Propylbenzene	105	98	60 - 140	6	30		
o-Xylene	105	101	60 - 140	3	30		
p-Isopropyltoluene	102	99	60 - 140	3	30		
sec-Butylbenzene	102	98	60 - 140	4	30		
Styrene	100	99	60 - 140	1	30		
tert-Butylbenzene	104	98	60 - 140	5	30		
Tetrachloroethene	99	94	60 - 140	6	30		
Toluene	102	94	76 - 125	5	30		
trans-1,2-Dichloroethene	102	97	60 - 140	5	30		
trans-1,3-Dichloropropene	87	86	60 - 140	2	30		
Trichloroethene	102	96	56 - 118	7	30		
Trichlorofluoromethane	103	117	60 - 140	12	30		
Vinyl chloride	100	105	60 - 140	5	30		
Xylenes, Total	107	101	60 - 140	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	106	107	67 - 139
Dibromofluoromethane	104	105	62 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	114	116	50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120809

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-82739-E-1 MS	Units: ug/L	MSD Lab Sample ID:	600-82739-E-1 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	50		Dilution:	50	
Analysis Date:	11/18/2013 1229		Analysis Date:	11/18/2013 1254	
Prep Date:	11/18/2013 1229		Prep Date:	11/18/2013 1254	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	9.00	U	500	500	471.0		460.2	
1,1,1-Trichloroethane	7.50	U	500	500	543.9		520.3	
1,1,2,2-Tetrachloroethane	11.0	U	500	500	466.9		476.1	
1,1,2-Trichloroethane	14.0	U	500	500	470.0		456.8	
1,1-Dichloroethane	5.50	U	500	500	500.6		476.7	
1,1-Dichloroethene	9.50	U	500	500	421.1		401.3	
1,1-Dichloropropene	10.5	U	500	500	515.7		493.9	
1,2,3-Trichlorobenzene	114		500	500	440.7		523.3	
1,2,3-Trichloropropane	14.5	U	500	500	477.0		464.4	
1,2,4-Trichlorobenzene	76.9		500	500	463.4		507.6	
1,2,4-Trimethylbenzene	37.0	J	500	500	547.0		525.6	
1,2-Dibromo-3-Chloropropane	40.5	U	500	500	382.6		409.6	
1,2-Dibromoethane	9.23	J	500	500	478.8		456.8	
1,2-Dichlorobenzene	28.0	J	500	500	470.5		474.2	
1,2-Dichloroethane	10.9	J	500	500	510.7		497.5	
1,2-Dichloropropane	8.00	U	500	500	489.6		474.7	
1,3,5-Trimethylbenzene	22.8	J	500	500	541.3		514.7	
1,3-Dichlorobenzene	18.2	J	500	500	484.0		470.5	
1,3-Dichloropropane	11.0	U	500	500	464.4		457.7	
1,4-Dichlorobenzene	20.8	J	500	500	475.1		462.1	
2,2-Dichloropropane	6.50	U	500	500	552.5		522.7	
2-Butanone (MEK)	38.0	U	1000	1000	911.2		980.2	
2-Chloroethyl vinyl ether	25.0	U	1000	1000	399.1	F	297.9	F
2-Chlorotoluene	6.88	J	500	500	494.5		469.9	
4-Chlorotoluene	10.6	J	500	500	502.9		480.4	
Benzene	3810		500	500	4623	E 4	4403	E 4
Bromobenzene	13.5	J	500	500	485.2		466.7	
Bromochloromethane	9.00	U	500	500	498.4		471.5	
Bromodichloromethane	8.00	U	500	500	469.7		460.4	
Bromoform	9.50	U	500	500	364.5		370.4	
Bromomethane	12.5	U	500	500	402.7		486.3	
Carbon tetrachloride	7.50	U	500	500	537.0		514.4	
Chlorobenzene	6.00	U	500	500	469.2		456.5	
Chlorodibromomethane	7.50	U	500	500	446.2		450.6	
Chloroethane	4.00	U	500	500	498.5		520.7	
Chloroform	6.50	U	500	500	505.4		481.9	
Chloromethane	9.00	U	500	500	437.5		444.6	
cis-1,2-Dichloroethene	3.81	J	500	500	520.1		496.1	
cis-1,3-Dichloropropene	9.00	U	500	500	489.8		473.8	
Dibromomethane	26.0	U	500	500	489.6		478.1	
Dichlorodifluoromethane	6.00	U	500	500	506.8		509.9	
Ethylbenzene	170		500	500	689.9		664.9	
Hexachlorobutadiene	36.5	J	500	500	473.9		495.4	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120809

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-82739-E-1 MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	50		
Analysis Date:	11/18/2013 1229		
Prep Date:	11/18/2013 1229		
Leach Date:	N/A		

MSD Lab Sample ID:	600-82739-E-1 MSD
Client Matrix:	Water
Dilution:	50
Analysis Date:	11/18/2013 1254
Prep Date:	11/18/2013 1254
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Isopropylbenzene	25.4	J	500	500	545.9	516.7
Methyl tert-butyl ether	6.00	U	500	500	504.9	485.8
Methylene Chloride	7.50	U	500	500	544.1	519.5
m-Xylene & p-Xylene	386		500	500	932.3	897.5
Naphthalene	128		500	500	437.2	520.6
n-Butylbenzene	17.1	J	500	500	535.5	523.3
N-Propylbenzene	20.9	J	500	500	544.1	510.3
o-Xylene	152		500	500	675.9	654.8
p-Isopropyltoluene	10.6	J	500	500	518.8	503.6
sec-Butylbenzene	12.5	J	500	500	523.8	502.4
Styrene	3.50	U	500	500	500.5	494.8
tert-Butylbenzene	11.2	J	500	500	529.0	502.0
Tetrachloroethene	6.50	U	500	500	496.3	468.8
Toluene	269		500	500	776.6	737.8
trans-1,2-Dichloroethene	4.50	U	500	500	510.0	482.9
trans-1,3-Dichloropropene	10.5	U	500	500	436.2	427.6
Trichloroethene	9.00	U	500	500	512.4	478.7
Trichlorofluoromethane	4.00	U	500	500	515.3	582.6
Vinyl chloride	5.50	U	500	500	498.6	526.6
Xylenes, Total	538		1000	1000	1608	1552

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-2	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	E32406.D
Dilution:	0.94	Leach Batch:	N/A	Initial Weight/Volume:	5.30 g
Analysis Date:	11/20/2013 1340			Final Weight/Volume:	5.30 g
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-2	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	E32407.D
Dilution:	0.85	Leach Batch:	N/A	Initial Weight/Volume:	5.88 g
Analysis Date:	11/20/2013 1409			Final Weight/Volume:	5.88 g
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	99	103	60 - 140	5	30		
Chloromethane	42	40	60 - 140	15	30	F1	F1
Vinyl chloride	55	54	60 - 140	10	30	F1	F1
Bromomethane	31	34	60 - 140	1	30	F1	F1
Chloroethane	44	44	60 - 140	9	30	F1	F1
Trichlorofluoromethane	81	89	60 - 140	0	30		
1,1-Dichloroethene	59	64	65 - 135	2	30	F1	F1
trans-1,2-Dichloroethene	42	43	60 - 140	8	30	F1	F1
Methyl tert-butyl ether	23	29	60 - 140	12	30	F1	F1
Methylene Chloride	43	45	60 - 140	4	30	F1	F1
cis-1,2-Dichloroethene	32	31	60 - 140	14	30	F1	F1
2-Butanone (MEK)	25	37	60 - 140	29	30	F1	F1
Bromochloromethane	24	35	60 - 140	28	30	F1	F1
Carbon tetrachloride	59	64	60 - 140	2	30	F1	
Benzene	34	38	65 - 135	3	30	F1	F1
1,2-Dichloroethane	24	31	60 - 140	15	30	F1	F1
Trichloroethene	36	39	61 - 135	2	30	F1	F1
1,1,1-Trichloroethane	49	52	60 - 140	4	30	F1	F1
1,1-Dichloroethane	36	38	60 - 140	4	30	F1	F1
1,2-Dichloropropane	28	31	60 - 140	1	30	F1	F1
2,2-Dichloropropane	47	48	60 - 140	7	30	F1	F1
Dibromomethane	28	28	60 - 140	10	30	F1	F1
Chloroform	31	34	60 - 140	1	30	F1	F1
Bromodichloromethane	26	30	60 - 140	6	30	F1	F1
2-Chloroethyl vinyl ether	129	157	60 - 140	10	30		F1
1,1-Dichloropropene	53	55	60 - 140	6	30	F1	F1
cis-1,3-Dichloropropene	21	25	60 - 140	10	30	F1	F1
Toluene	34	36	64 - 135	5	30	F1	F1
trans-1,3-Dichloropropene	25	30	60 - 140	8	30	F1	F1
1,1,2-Trichloroethane	25	30	60 - 140	8	30	J F1	J F1
Tetrachloroethene	49	48	60 - 140	11	30	F1	F1
1,3-Dichloropropane	22	29	60 - 140	18	30	F1	F1
Chlorodibromomethane	25	30	60 - 140	9	30	F1	F1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-2	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	E32406.D
Dilution:	0.94	Leach Batch:	N/A	Initial Weight/Volume:	5.30 g
Analysis Date:	11/20/2013 1340			Final Weight/Volume:	5.30 g
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-2	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	E32407.D
Dilution:	0.85	Leach Batch:	N/A	Initial Weight/Volume:	5.88 g
Analysis Date:	11/20/2013 1409			Final Weight/Volume:	5.88 g
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromoethane	23	26	60 - 140	2	30	F1	F1
Chlorobenzene	26	30	65 - 135	3	30	F1	F1
1,1,1,2-Tetrachloroethane	25	25	60 - 140	8	30	F1	F1
Ethylbenzene	33	34	60 - 140	6	30	F1	F1
m-Xylene & p-Xylene	33	32	60 - 140	12	30	F1	F1
Xylenes, Total	31	30	60 - 140	11	30	F1	F1
o-Xylene	27	27	60 - 140	9	30	F1	F1
Styrene	26	26	60 - 140	8	30	F1	F1
Bromoform	21	24	60 - 140	3	30	F1	F1
Isopropylbenzene	37	33	60 - 140	20	30	F1	F1
Bromobenzene	25	26	60 - 140	6	30	F1	F1
1,2,3-Trichloropropane	47	46	60 - 140	13	30	F1	F1
1,1,2,2-Tetrachloroethane	0	29	60 - 140	NC	30	U F1	F1
N-Propylbenzene	38	33	60 - 140	23	30	F1	F1
2-Chlorotoluene	26	25	60 - 140	15	30	F1	F1
4-Chlorotoluene	29	24	60 - 140	27	30	F1	F1
1,3,5-Trimethylbenzene	31	27	60 - 140	24	30	F1	F1
tert-Butylbenzene	36	30	60 - 140	28	30	F1	F1
4-Isopropyltoluene	39	32	60 - 140	29	30	F1	F1
1,2,4-Trimethylbenzene	28	25	60 - 140	21	30	F1	F1
sec-Butylbenzene	39	31	60 - 140	33	30	F1	F1 F2
1,3-Dichlorobenzene	23	22	60 - 140	11	30	F1	F1
1,4-Dichlorobenzene	24	21	60 - 140	23	30	F1	F1
1,2-Dichlorobenzene	21	23	60 - 140	3	30	F1	F1
n-Butylbenzene	36	28	60 - 140	33	30	F1	F1 F2
1,2-Dibromo-3-Chloropropane	24	31	60 - 140	16	30	F1	F1
1,2,4-Trichlorobenzene	20	15	60 - 140	38	30	F1	F1 F2
Hexachlorobutadiene	28	22	60 - 140	31	30	F1	F1 F2
Naphthalene	23	23	60 - 140	10	30	F1	F1
1,2,3-Trichlorobenzene	21	17	60 - 140	31	30	F1	F1 F2
Carbon disulfide	50	49	60 - 140	13	30	F1	F1
Acetone	16	25	60 - 140	30	30	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	79	84	50 - 130
Dibromofluoromethane	92	89	68 - 140
4-Bromofluorobenzene	82	81	57 - 140
1,2-Dichloroethane-d4 (Surr)	103	105	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-27	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	k32606.D
Dilution:	0.88	Leach Batch:	N/A	Initial Weight/Volume:	5.70 g
Analysis Date:	11/22/2013 1256			Final Weight/Volume:	5.70 g
Prep Date:	11/22/2013 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-27MSD	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	k32607.D
Dilution:	0.93	Leach Batch:	N/A	Initial Weight/Volume:	5.37 g
Analysis Date:	11/22/2013 1320			Final Weight/Volume:	5.37 g
Prep Date:	11/22/2013 1216				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	42	0	60 - 140	NC	30	F1	U F1
Chloromethane	57	0	60 - 140	NC	30	F1	U F1
Vinyl chloride	54	0	60 - 140	NC	30	F1	U F1
Bromomethane	56	0	60 - 140	NC	30	F1	U F1
Chloroethane	52	0	60 - 140	NC	30	F1	U F1
Trichlorofluoromethane	53	0	60 - 140	NC	30	F1	U F1
1,1-Dichloroethene	75	63	65 - 135	11	30		F1
trans-1,2-Dichloroethene	72	60	60 - 140	12	30		
Methyl tert-butyl ether	85	71	60 - 140	11	30		
Methylene Chloride	76	53	60 - 140	14	30		F1
cis-1,2-Dichloroethene	75	63	60 - 140	10	30		
2-Butanone (MEK)	296	261	60 - 140	6	30	F1	F1
Bromochloromethane	81	68	60 - 140	9	30		
Carbon tetrachloride	72	64	60 - 140	5	30		
Benzene	75	66	65 - 135	6	30		
1,2-Dichloroethane	98	82	60 - 140	11	30		
Trichloroethene	74	64	61 - 135	9	30		
1,1,1-Trichloroethane	73	62	60 - 140	10	30		
1,1-Dichloroethane	74	63	60 - 140	10	30		
1,2-Dichloropropane	75	65	60 - 140	8	30		
2,2-Dichloropropane	89	77	60 - 140	7	30		
Dibromomethane	98	85	60 - 140	8	30		
Chloroform	75	63	60 - 140	10	30		
Bromodichloromethane	95	83	60 - 140	6	30		
2-Chloroethyl vinyl ether	195	118	60 - 140	42	30	* F1	F2
1,1-Dichloropropene	81	67	60 - 140	12	30		
cis-1,3-Dichloropropene	127	74	60 - 140	45	30	*	F2
Toluene	116	69	64 - 135	44	30	*	F2
trans-1,3-Dichloropropene	137	83	60 - 140	43	30	*	F2
1,1,2-Trichloroethane	148	89	60 - 140	43	30	* F1	F2
Tetrachloroethene	134	58	60 - 140	73	30	*	F1 F2
1,3-Dichloropropane	148	87	60 - 140	46	30	* F1	F2
Chlorodibromomethane	138	83	60 - 140	44	30	*	F2

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-27	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	k32606.D
Dilution:	0.88	Leach Batch:	N/A	Initial Weight/Volume:	5.70 g
Analysis Date:	11/22/2013 1256			Final Weight/Volume:	5.70 g
Prep Date:	11/22/2013 1216				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-27MSD	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	600-120942	Lab File ID:	k32607.D
Dilution:	0.93	Leach Batch:	N/A	Initial Weight/Volume:	5.37 g
Analysis Date:	11/22/2013 1320			Final Weight/Volume:	5.37 g
Prep Date:	11/22/2013 1216				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromoethane	161	98	60 - 140	42	30	* F1	F2
Chlorobenzene	120	69	65 - 135	47	30	*	F2
1,1,1,2-Tetrachloroethane	119	71	60 - 140	44	30	*	F2
Ethylbenzene	121	71	60 - 140	45	30	*	F2
m-Xylene & p-Xylene	122	72	60 - 140	45	30	*	F2
Xylenes, Total	120	71	60 - 140	45	30	*	F2
o-Xylene	117	69	60 - 140	45	30	*	F2
Styrene	122	71	60 - 140	46	30	*	F2
Bromoform	423	165	60 - 140	82	30	E * F1	F1 F2
Isopropylbenzene	296	113	60 - 140	84	30	* F1	F2
Bromobenzene	293	112	60 - 140	84	30	* F1	F2
1,2,3-Trichloropropane	577	228	60 - 140	81	30	E * F1	F1 F2
1,1,2,2-Tetrachloroethane	248	153	60 - 140	41	30	* F1	F1 F2
N-Propylbenzene	303	115	60 - 140	84	30	* F1	F2
2-Chlorotoluene	295	109	60 - 140	86	30	* F1	F2
4-Chlorotoluene	295	112	60 - 140	84	30	* F1	F2
1,3,5-Trimethylbenzene	296	113	60 - 140	84	30	* F1	F2
tert-Butylbenzene	294	111	60 - 140	85	30	* F1	F2
4-Isopropyltoluene	292	111	60 - 140	84	30	* F1	F2
1,2,4-Trimethylbenzene	295	113	60 - 140	84	30	* F1	F2
sec-Butylbenzene	291	112	60 - 140	83	30	* F1	F2
1,3-Dichlorobenzene	293	111	60 - 140	84	30	* F1	F2
1,4-Dichlorobenzene	295	112	60 - 140	84	30	* F1	F2
1,2-Dichlorobenzene	299	114	60 - 140	84	30	* F1	F2
n-Butylbenzene	295	112	60 - 140	84	30	* F1	F2
1,2-Dibromo-3-Chloropropane	923	379	60 - 140	78	30	E * F1	F1 F2
1,2,4-Trichlorobenzene	315	114	60 - 140	88	30	* F1	F2
Hexachlorobutadiene	312	106	60 - 140	93	30	* F1	F2
Naphthalene	518	187	60 - 140	84	30	E * F1	F1 F2
1,2,3-Trichlorobenzene	335	122	60 - 140	88	30	* F1	F2
Carbon disulfide	74	66	60 - 140	5	30		
Acetone	386	333	60 - 140	10	30	E F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	131	* X	96	50 - 130
Dibromofluoromethane	100		101	68 - 140
4-Bromofluorobenzene	106	*	106	57 - 140
1,2-Dichloroethane-d4 (Surr)	108		108	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-2	Units:	ug/Kg	MSD Lab Sample ID:	600-82738-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	0.94			Dilution:	0.85
Analysis Date:	11/20/2013 1340			Analysis Date:	11/20/2013 1409
Prep Date:	11/19/2013 1600			Prep Date:	11/19/2013 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	1.66	U	55.6	50.6	54.90		52.20	
Chloromethane	1.79	U	55.6	50.6	23.56	F1	20.22	F1
Vinyl chloride	0.969	U	55.6	50.6	30.56	F1	27.59	F1
Bromomethane	0.894	U	55.6	50.6	17.40	F1	17.18	F1
Chloroethane	1.51	U	55.6	50.6	24.62	F1	22.40	F1
Trichlorofluoromethane	0.711	U	55.6	50.6	44.92		44.94	
1,1-Dichloroethene	1.31	U	55.6	50.6	33.07	F1	32.26	F1
trans-1,2-Dichloroethene	1.23	U	55.6	50.6	23.31	F1	21.59	F1
Methyl tert-butyl ether	1.97	U	55.6	50.6	13.04	F1	14.72	F1
Methylene Chloride	2.77	J	55.6	50.6	26.91	F1	25.76	F1
cis-1,2-Dichloroethene	0.894	U	55.6	50.6	18.02	F1	15.70	F1
2-Butanone (MEK)	2.05	U	111	101	28.14	F1	37.50	F1
Bromochloromethane	1.92	U	55.6	50.6	13.41	F1	17.70	F1
Carbon tetrachloride	1.22	U	55.6	50.6	33.04	F1	32.32	
Benzene	0.679	U	55.6	50.6	18.70	F1	19.35	F1
1,2-Dichloroethane	0.969	U	55.6	50.6	13.36	F1	15.55	F1
Trichloroethene	1.51	U	55.6	50.6	20.12	F1	19.76	F1
1,1,1-Trichloroethane	0.797	U	55.6	50.6	27.35	F1	26.25	F1
1,1-Dichloroethane	0.937	U	55.6	50.6	20.25	F1	19.43	F1
1,2-Dichloropropane	0.765	U	55.6	50.6	15.53	F1	15.70	F1
2,2-Dichloropropane	1.96	U	55.6	50.6	26.22	F1	24.40	F1
Dibromomethane	0.808	U	55.6	50.6	15.65	F1	14.10	F1
Chloroform	0.711	U	55.6	50.6	17.01	F1	17.15	F1
Bromodichloromethane	0.711	U	55.6	50.6	14.24	F1	15.10	F1
2-Chloroethyl vinyl ether	1.06	U	55.6	50.6	71.97		79.41	F1
1,1-Dichloropropene	0.700	U	55.6	50.6	29.38	F1	27.65	F1
cis-1,3-Dichloropropene	0.582	U	55.6	50.6	11.64	F1	12.80	F1
Toluene	1.49	U	55.6	50.6	19.16	F1	18.32	F1
trans-1,3-Dichloropropene	0.625	U	55.6	50.6	14.05	F1	15.27	F1
1,1,2-Trichloroethane	0.786	U	55.6	50.6	14.18	J F1	15.36	J F1
Tetrachloroethene	0.765	U	55.6	50.6	27.10	F1	24.18	F1
1,3-Dichloropropane	0.679	U	55.6	50.6	12.16	F1	14.58	F1
Chlorodibromomethane	1.01	U	55.6	50.6	14.01	F1	15.41	F1
1,2-Dibromoethane	1.10	U	55.6	50.6	12.92	F1	13.20	F1
Chlorobenzene	1.03	U	55.6	50.6	14.59	F1	15.05	F1
1,1,1,2-Tetrachloroethane	1.51	U	55.6	50.6	13.66	F1	12.66	F1
Ethylbenzene	1.10	U	55.6	50.6	18.29	F1	17.23	F1
m-Xylene & p-Xylene	1.64	U	111	101	36.56	F1	32.37	F1
Xylenes, Total	1.22	U	167	152	51.50	F1	46.08	F1
o-Xylene	1.22	U	55.6	50.6	14.94	F1	13.71	F1
Styrene	0.765	U	55.6	50.6	14.29	F1	13.17	F1
Bromoform	1.48	U	55.6	50.6	11.84	F1	12.17	F1
Isopropylbenzene	0.991	U	55.6	50.6	20.58	F1	16.78	F1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-2	Units: ug/Kg	MSD Lab Sample ID:	600-82738-2	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	0.94		Dilution:	0.85	
Analysis Date:	11/20/2013 1340		Analysis Date:	11/20/2013 1409	
Prep Date:	11/19/2013 1600		Prep Date:	11/19/2013 1600	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bromobenzene	1.07	U	55.6	50.6	13.85	F1	13.05	F1
1,2,3-Trichloropropane	1.41	U	55.6	50.6	26.34	F1	23.23	F1
1,1,2,2-Tetrachloroethane	0.937	U	55.6	50.6	0.968	U F1	14.51	F1
N-Propylbenzene	1.02	U	55.6	50.6	21.03	F1	16.65	F1
2-Chlorotoluene	0.732	U	55.6	50.6	14.39	F1	12.44	F1
4-Chlorotoluene	0.894	U	55.6	50.6	16.11	F1	12.25	F1
1,3,5-Trimethylbenzene	1.72	U	55.6	50.6	17.35	F1	13.67	F1
tert-Butylbenzene	1.02	U	55.6	50.6	20.10	F1	15.20	F1
4-Isopropyltoluene	1.10	U	55.6	50.6	21.82	F1	16.23	F1
1,2,4-Trimethylbenzene	0.991	U	55.6	50.6	15.52	F1	12.58	F1
sec-Butylbenzene	0.754	U	55.6	50.6	21.49	F1	15.48	F1 F2
1,3-Dichlorobenzene	0.765	U	55.6	50.6	12.58	F1	11.25	F1
1,4-Dichlorobenzene	0.711	U	55.6	50.6	13.17	F1	10.46	F1
1,2-Dichlorobenzene	0.862	U	55.6	50.6	11.72	F1	11.39	F1
n-Butylbenzene	0.625	U	55.6	50.6	19.84	F1	14.24	F1 F2
1,2-Dibromo-3-Chloropropane	2.63	U	55.6	50.6	13.21	F1	15.56	F1
1,2,4-Trichlorobenzene	2.12	U	55.6	50.6	11.24	F1	7.683	F1 F2
Hexachlorobutadiene	1.22	U	55.6	50.6	15.38	F1	11.24	F1 F2
Naphthalene	2.55	U	55.6	50.6	12.58	F1	11.44	F1
1,2,3-Trichlorobenzene	0.668	U	55.6	50.6	11.65	F1	8.487	F1 F2
Carbon disulfide	0.592	U	55.6	50.6	28.02	F1	24.69	F1
Acetone	4.14	J	111	101	21.61	F1	29.37	F1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-27	Units: ug/Kg	MSD Lab Sample ID:	600-82738-27MSD	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	0.88		Dilution:	0.93	
Analysis Date:	11/22/2013 1256		Analysis Date:	11/22/2013 1320	
Prep Date:	11/22/2013 1216		Prep Date:	11/22/2013 1216	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	1.61	U	52.2	56.0	22.08	F1	1.72	U F1
Chloromethane	1.74	U	52.2	56.0	29.66	F1	1.86	U F1
Vinyl chloride	0.944	U	52.2	56.0	28.23	F1	1.01	U F1
Bromomethane	0.870	U	52.2	56.0	29.07	F1	0.929	U F1
Chloroethane	1.47	U	52.2	56.0	26.96	F1	1.57	U F1
Trichlorofluoromethane	0.692	U	52.2	56.0	27.55	F1	0.739	U F1
1,1-Dichloroethene	1.28	U	52.2	56.0	39.31		35.23	F1
trans-1,2-Dichloroethene	1.20	U	52.2	56.0	37.82		33.64	
Methyl tert-butyl ether	1.92	U	52.2	56.0	44.30		39.60	
Methylene Chloride	2.30	U	52.2	56.0	39.60		34.31	F1
cis-1,2-Dichloroethene	0.870	U	52.2	56.0	38.94		35.31	
2-Butanone (MEK)	1.99	U	104	112	309.2	F1	291.9	F1
Bromochloromethane	1.87	U	52.2	56.0	42.05		38.32	
Carbon tetrachloride	1.18	U	52.2	56.0	37.80		35.90	
Benzene	0.661	U	52.2	56.0	39.39		36.92	
1,2-Dichloroethane	0.944	U	52.2	56.0	51.14		45.75	
Trichloroethene	1.47	U	52.2	56.0	38.80		35.54	
1,1,1-Trichloroethane	0.776	U	52.2	56.0	38.16		34.55	
1,1-Dichloroethane	0.912	U	52.2	56.0	38.81		35.02	
1,2-Dichloropropane	0.744	U	52.2	56.0	39.01		36.15	
2,2-Dichloropropane	1.91	U	52.2	56.0	46.49		43.19	
Dibromomethane	0.786	U	52.2	56.0	51.39		47.53	
Chloroform	0.692	U	52.2	56.0	39.01		35.18	
Bromodichloromethane	0.692	U	52.2	56.0	49.84		46.71	
2-Chloroethyl vinyl ether	1.03	U	104	112	203.3	* F1	132.4	F2
1,1-Dichloropropene	0.682	U	52.2	56.0	42.54		37.69	
cis-1,3-Dichloropropene	0.566	U	52.2	56.0	66.15	*	41.64	F2
Toluene	1.45	U	52.2	56.0	60.72	*	38.74	F2
trans-1,3-Dichloropropene	0.608	U	52.2	56.0	71.73	*	46.18	F2
1,1,2-Trichloroethane	0.765	U	52.2	56.0	77.06	* F1	49.90	F2
Tetrachloroethene	0.744	U	52.2	56.0	69.81	*	32.45	F1 F2
1,3-Dichloropropane	0.661	U	52.2	56.0	77.05	* F1	48.47	F2
Chlorodibromomethane	0.986	U	52.2	56.0	72.29	*	46.22	F2
1,2-Dibromoethane	1.07	U	52.2	56.0	84.18	* F1	54.83	F2
Chlorobenzene	1.01	U	52.2	56.0	62.65	*	38.89	F2
1,1,1,2-Tetrachloroethane	1.47	U	52.2	56.0	62.20	*	39.81	F2
Ethylbenzene	1.07	U	52.2	56.0	62.94	*	39.89	F2
m-Xylene & p-Xylene	1.59	U	52.2	56.0	63.92	*	40.26	F2
Xylenes, Total	1.18	U	104	112	125.1	*	79.02	F2
o-Xylene	1.18	U	52.2	56.0	61.18	*	38.76	F2
Styrene	0.744	U	52.2	56.0	63.53	*	39.90	F2
Bromoform	1.44	U	52.2	56.0	220.6	E * F1	92.18	F1 F2
Isopropylbenzene	0.965	U	52.2	56.0	154.3	* F1	62.98	F2

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-120942

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-27	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	0.88		
Analysis Date:	11/22/2013 1256		
Prep Date:	11/22/2013 1216		
Leach Date:	N/A		

MSD Lab Sample ID:	600-82738-27MSD
Client Matrix:	Solid
Dilution:	0.93
Analysis Date:	11/22/2013 1320
Prep Date:	11/22/2013 1216
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bromobenzene	1.04	U	52.2	56.0	153.0	* F1	62.64	F2
1,2,3-Trichloropropane	1.37	U	52.2	56.0	301.1	E * F1	127.6	F1 F2
1,1,2,2-Tetrachloroethane	0.912	U	52.2	56.0	129.4	* F1	85.72	F1 F2
N-Propylbenzene	0.996	U	52.2	56.0	158.0	* F1	64.62	F2
2-Chlorotoluene	0.713	U	52.2	56.0	153.8	* F1	61.06	F2
4-Chlorotoluene	0.870	U	52.2	56.0	154.0	* F1	62.60	F2
1,3,5-Trimethylbenzene	1.68	U	52.2	56.0	154.6	* F1	63.31	F2
tert-Butylbenzene	0.996	U	52.2	56.0	153.5	* F1	62.27	F2
4-Isopropyltoluene	1.07	U	52.2	56.0	152.7	* F1	62.19	F2
1,2,4-Trimethylbenzene	0.965	U	52.2	56.0	153.8	* F1	63.08	F2
sec-Butylbenzene	0.734	U	52.2	56.0	152.0	* F1	62.80	F2
1,3-Dichlorobenzene	0.744	U	52.2	56.0	152.8	* F1	62.14	F2
1,4-Dichlorobenzene	0.692	U	52.2	56.0	153.9	* F1	62.66	F2
1,2-Dichlorobenzene	0.839	U	52.2	56.0	155.9	* F1	63.96	F2
n-Butylbenzene	0.608	U	52.2	56.0	154.1	* F1	62.63	F2
1,2-Dibromo-3-Chloropropane	2.56	U	52.2	56.0	481.9	E * F1	212.0	F1 F2
1,2,4-Trichlorobenzene	2.07	U	52.2	56.0	164.5	* F1	63.78	F2
Hexachlorobutadiene	1.18	U	52.2	56.0	163.0	* F1	59.49	F2
Naphthalene	2.53	J	52.2	56.0	272.7	E * F1	111.5	F1 F2
1,2,3-Trichlorobenzene	0.650	U	52.2	56.0	174.9	* F1	68.11	F2
Carbon disulfide	0.577	U	52.2	56.0	38.86		36.85	
Acetone	45.5		104	112	448.1	E F1	406.2	F1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121113

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121113/4	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1242	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Bromochloromethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	5.364	J	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Chlorodibromomethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121113

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121113/4	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1242	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	2.37	U	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	84	50 - 130
Dibromofluoromethane	78	68 - 140
4-Bromofluorobenzene	88	57 - 140
1,2-Dichloroethane-d4 (Surr)	79	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121113

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121113/3	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32402.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1145	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121113/10	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32410.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1535	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromomethane	97	93	28 - 164	4	30		
Chloroethane	104	101	30 - 136	4	30		
2-Butanone (MEK)	87	117	42 - 186	29	30		
Bromochloromethane	101	111	60 - 140	10	30		
Chloromethane	103	94	21 - 153	9	30		
Carbon tetrachloride	105	102	63 - 132	3	30		
Benzene	105	107	66 - 128	2	30		
1,1-Dichloroethene	111	103	40 - 157	7	30		
1,2-Dichloroethane	105	109	61 - 135	4	30		
cis-1,2-Dichloroethene	103	102	62 - 130	0	30		
trans-1,2-Dichloroethene	103	102	65 - 130	1	30		
1,1-Dichloroethane	107	104	64 - 130	2	30		
1,2-Dichloropropane	103	102	71 - 122	2	30		
Chloroform	105	101	67 - 126	4	30		
Methylene Chloride	121	117	48 - 144	3	30		
cis-1,3-Dichloropropene	95	93	66 - 129	2	30		
Toluene	100	93	69 - 125	8	30		
trans-1,3-Dichloropropene	95	101	66 - 134	5	30		
1,1,1-Trichloroethane	103	101	70 - 127	2	30		
1,1,2-Trichloroethane	98	105	67 - 124	6	30		
Tetrachloroethene	109	112	69 - 125	3	30		
Trichloroethene	104	97	70 - 136	7	30		
Chlorodibromomethane	101	105	63 - 125	5	30		
Vinyl chloride	103	96	28 - 159	7	30		
Chlorobenzene	98	94	67 - 126	4	30		
Ethylbenzene	100	98	64 - 127	2	30		
m-Xylene & p-Xylene	98	96	65 - 128	2	30		
Xylenes, Total	97	94	65 - 129	3	30		
o-Xylene	94	91	64 - 132	4	30		
Styrene	102	101	63 - 128	1	30		
Bromoform	103	110	50 - 130	7	30		
Bromodichloromethane	105	101	68 - 121	4	30		
1,1,2,2-Tetrachloroethane	96	112	59 - 134	15	30		
Dichlorodifluoromethane	89	99	12 - 136	11	30		
1,2,4-Trimethylbenzene	96	96	62 - 129	0	30		
2-Chlorotoluene	93	92	60 - 140	1	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121113

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121113/3	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32402.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1145	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121113/10	Analysis Batch:	600-121113	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32410.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/20/2013 1535	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibromomethane	102	105	63 - 128	2	30		
1,1-Dichloropropene	102	97	70 - 125	5	30		
1,3-Dichlorobenzene	96	95	70 - 130	1	30		
n-Butylbenzene	104	101	60 - 140	4	30		
Methyl tert-butyl ether	95	105	49 - 152	10	30		
4-Chlorotoluene	98	98	60 - 140	0	30		
1,2-Dibromo-3-Chloropropane	93	103	49 - 143	11	30		
1,2,4-Trichlorobenzene	105	108	63 - 138	3	30		
Bromobenzene	105	101	71 - 124	3	30		
Hexachlorobutadiene	102	95	55 - 138	7	30		
1,2-Dichlorobenzene	96	97	71 - 129	1	30		
Naphthalene	101	112	55 - 149	10	30		
1,1,1,2-Tetrachloroethane	99	97	69 - 125	2	30		
sec-Butylbenzene	94	92	65 - 131	2	30		
2-Chloroethyl vinyl ether	475	575	68 - 131	19	30	*	*
Isopropylbenzene	96	91	66 - 141	5	30		
2,2-Dichloropropane	103	104	60 - 132	1	30		
N-Propylbenzene	100	95	64 - 133	5	30		
Trichlorofluoromethane	105	100	60 - 140	5	30		
4-Isopropyltoluene	107	104	60 - 140	3	30		
1,2,3-Trichlorobenzene	99	109	63 - 141	10	30		
1,2,3-Trichloropropane	117	138	52 - 155	16	30		
1,3,5-Trimethylbenzene	99	95	65 - 129	4	30		
1,2-Dibromoethane	102	111	60 - 140	8	30		
tert-Butylbenzene	97	91	60 - 140	6	30		
1,4-Dichlorobenzene	96	95	72 - 127	1	30		
1,3-Dichloropropane	100	103	67 - 128	3	30		
Carbon disulfide	98	98	53 - 176	0	30		
Acetone	51	86	44 - 136	52	30		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	77	79	50 - 130
Dibromofluoromethane	78	83	68 - 140
4-Bromofluorobenzene	78	83	57 - 140
1,2-Dichloroethane-d4 (Surr)	75	90	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121113

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121113/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 600-121113/10
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/20/2013 1145			Analysis Date:	11/20/2013 1535
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromomethane	50.0	50.0	48.34	46.42
Chloroethane	50.0	50.0	52.25	50.30
2-Butanone (MEK)	100	100	87.28	117.3
Bromochloromethane	50.0	50.0	50.28	55.36
Chloromethane	50.0	50.0	51.67	47.02
Carbon tetrachloride	50.0	50.0	52.53	51.13
Benzene	50.0	50.0	52.56	53.49
1,1-Dichloroethene	50.0	50.0	55.27	51.52
1,2-Dichloroethane	50.0	50.0	52.31	54.58
cis-1,2-Dichloroethene	50.0	50.0	51.32	51.14
trans-1,2-Dichloroethene	50.0	50.0	51.53	51.24
1,1-Dichloroethane	50.0	50.0	53.47	52.20
1,2-Dichloropropane	50.0	50.0	51.71	50.84
Chloroform	50.0	50.0	52.44	50.35
Methylene Chloride	50.0	50.0	60.38	58.34
cis-1,3-Dichloropropene	50.0	50.0	47.47	46.51
Toluene	50.0	50.0	50.13	46.39
trans-1,3-Dichloropropene	50.0	50.0	47.66	50.26
1,1,1-Trichloroethane	50.0	50.0	51.56	50.57
1,1,2-Trichloroethane	50.0	50.0	49.17	52.31
Tetrachloroethene	50.0	50.0	54.32	55.76
Trichloroethene	50.0	50.0	52.08	48.51
Chlorodibromomethane	50.0	50.0	50.39	52.71
Vinyl chloride	50.0	50.0	51.35	47.78
Chlorobenzene	50.0	50.0	49.18	47.03
Ethylbenzene	50.0	50.0	50.05	49.15
m-Xylene & p-Xylene	100	100	98.39	95.96
Xylenes, Total	150	150	145.6	141.3
o-Xylene	50.0	50.0	47.16	45.38
Styrene	50.0	50.0	50.85	50.59
Bromoform	50.0	50.0	51.26	55.18
Bromodichloromethane	50.0	50.0	52.43	50.37
1,1,2,2-Tetrachloroethane	50.0	50.0	47.85	55.84
Dichlorodifluoromethane	50.0	50.0	44.31	49.72
1,2,4-Trimethylbenzene	50.0	50.0	48.03	48.17
2-Chlorotoluene	50.0	50.0	46.42	45.75
Dibromomethane	50.0	50.0	51.23	52.41
1,1-Dichloropropene	50.0	50.0	51.09	48.54
1,3-Dichlorobenzene	50.0	50.0	48.04	47.49

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121113

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121113/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121113/10
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/20/2013 1145			Analysis Date:	11/20/2013 1535
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	50.0	50.0	52.23	50.33
Methyl tert-butyl ether	50.0	50.0	47.59	52.58
4-Chlorotoluene	50.0	50.0	48.85	48.82
1,2-Dibromo-3-Chloropropane	50.0	50.0	46.33	51.53
1,2,4-Trichlorobenzene	50.0	50.0	52.30	53.94
Bromobenzene	50.0	50.0	52.31	50.65
Hexachlorobutadiene	50.0	50.0	51.00	47.59
1,2-Dichlorobenzene	50.0	50.0	48.12	48.52
Naphthalene	50.0	50.0	50.69	56.19
1,1,1,2-Tetrachloroethane	50.0	50.0	49.51	48.44
sec-Butylbenzene	50.0	50.0	46.92	46.02
2-Chloroethyl vinyl ether	50.0	50.0	237.6 *	287.4 *
Isopropylbenzene	50.0	50.0	48.14	45.70
2,2-Dichloropropane	50.0	50.0	51.47	52.13
N-Propylbenzene	50.0	50.0	49.91	47.53
Trichlorofluoromethane	50.0	50.0	52.30	49.86
4-Isopropyltoluene	50.0	50.0	53.44	51.83
1,2,3-Trichlorobenzene	50.0	50.0	49.27	54.72
1,2,3-Trichloropropane	50.0	50.0	58.63	68.87
1,3,5-Trimethylbenzene	50.0	50.0	49.30	47.58
1,2-Dibromoethane	50.0	50.0	50.98	55.51
tert-Butylbenzene	50.0	50.0	48.29	45.53
1,4-Dichlorobenzene	50.0	50.0	48.15	47.44
1,3-Dichloropropane	50.0	50.0	50.00	51.61
Carbon disulfide	50.0	50.0	49.14	49.09
Acetone	100	100	50.79	86.05 *

Method Blank - Batch: 600-121151

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121151/4	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32504.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1128	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Bromochloromethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	2.19	U	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Chlorodibromomethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121151

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121151/4	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32504.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1128	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	4.480	J	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	77	50 - 130
Dibromofluoromethane	96	68 - 140
4-Bromofluorobenzene	79	57 - 140
1,2-Dichloroethane-d4 (Surr)	97	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample - Batch: 600-121151

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 600-121151/3	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1039	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	50.0	41.02	82	28 - 164	
Chloroethane	50.0	39.58	79	30 - 136	
2-Butanone (MEK)	100	159.4	159	42 - 186	
Bromochloromethane	50.0	44.57	89	60 - 140	
Chloromethane	50.0	43.40	87	21 - 153	
Carbon tetrachloride	50.0	39.86	80	63 - 132	
Benzene	50.0	41.90	84	66 - 128	
1,1-Dichloroethene	50.0	41.08	82	40 - 157	
1,2-Dichloroethane	50.0	52.70	105	61 - 135	
cis-1,2-Dichloroethene	50.0	40.70	81	62 - 130	
trans-1,2-Dichloroethene	50.0	39.36	79	65 - 130	
1,1-Dichloroethane	50.0	42.31	85	64 - 130	
1,2-Dichloropropane	50.0	41.87	84	71 - 122	
Chloroform	50.0	41.52	83	67 - 126	
Methylene Chloride	50.0	40.67	81	48 - 144	
cis-1,3-Dichloropropene	50.0	42.23	84	66 - 129	
trans-1,3-Dichloropropene	50.0	45.03	90	66 - 134	
Toluene	50.0	37.95	76	69 - 125	
1,1,1-Trichloroethane	50.0	43.24	86	70 - 127	
1,1,2-Trichloroethane	50.0	45.35	91	67 - 124	
Tetrachloroethene	50.0	37.20	74	69 - 125	
Trichloroethene	50.0	40.10	80	70 - 136	
Chlorodibromomethane	50.0	45.37	91	63 - 125	
Vinyl chloride	50.0	41.86	84	28 - 159	
Chlorobenzene	50.0	38.91	78	67 - 126	
Ethylbenzene	50.0	38.54	77	64 - 127	
m-Xylene & p-Xylene	50.0	38.72	77	65 - 128	
Xylenes, Total	100	76.84	77	65 - 129	
o-Xylene	50.0	38.12	76	64 - 132	
Styrene	50.0	39.75	80	63 - 128	
Bromoform	50.0	49.67	99	50 - 130	
Bromodichloromethane	50.0	49.00	98	68 - 121	
1,1,2,2-Tetrachloroethane	50.0	57.14	114	59 - 134	
Dichlorodifluoromethane	50.0	37.75	75	12 - 136	
1,2,4-Trimethylbenzene	50.0	37.75	75	62 - 129	
2-Chlorotoluene	50.0	36.65	73	60 - 140	
Dibromomethane	50.0	50.08	100	63 - 128	
1,1-Dichloropropene	50.0	43.37	87	70 - 125	
1,3-Dichlorobenzene	50.0	37.12	74	70 - 130	
n-Butylbenzene	50.0	39.03	78	60 - 140	
Methyl tert-butyl ether	50.0	46.11	92	49 - 152	
4-Chlorotoluene	50.0	37.93	76	60 - 140	
1,2-Dibromo-3-Chloropropane	50.0	64.31	129	49 - 143	
1,2,4-Trichlorobenzene	50.0	40.04	80	63 - 138	
Bromobenzene	50.0	36.94	74	71 - 124	
Hexachlorobutadiene	50.0	41.58	83	55 - 138	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample - Batch: 600-121151

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 600-121151/3	Analysis Batch:	600-121151	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1039	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dichlorobenzene	50.0	37.65	75	71 - 129	
Naphthalene	50.0	62.53	125	55 - 149	
1,1,1,2-Tetrachloroethane	50.0	39.10	78	69 - 125	
sec-Butylbenzene	50.0	37.69	75	65 - 131	
2-Chloroethyl vinyl ether	100	111.8	112	68 - 131	
Isopropylbenzene	50.0	37.78	76	66 - 141	
2,2-Dichloropropane	50.0	45.95	92	60 - 132	
N-Propylbenzene	50.0	37.72	75	64 - 133	
Trichlorofluoromethane	50.0	41.16	82	60 - 140	
4-Isopropyltoluene	50.0	37.64	75	60 - 140	
1,2,3-Trichlorobenzene	50.0	40.66	81	63 - 141	
1,2,3-Trichloropropane	50.0	54.65	109	52 - 155	
1,3,5-Trimethylbenzene	50.0	38.12	76	65 - 129	
1,2-Dibromoethane	50.0	47.69	95	60 - 140	
tert-Butylbenzene	50.0	37.34	75	60 - 140	
1,4-Dichlorobenzene	50.0	37.63	75	72 - 127	
1,3-Dichloropropane	50.0	45.89	92	67 - 128	
Carbon disulfide	50.0	40.31	81	53 - 176	
Acetone	100	131.3	131	44 - 136	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	77	50 - 130
Dibromofluoromethane	95	68 - 140
4-Bromofluorobenzene	74	57 - 140
1,2-Dichloroethane-d4 (Surr)	98	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121230

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121230/5	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1538	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Bromochloromethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	7.241	J	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Chlorodibromomethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121230

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121230/5	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32505.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1538	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	2.37	U	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	81	50 - 130
Dibromofluoromethane	77	68 - 140
4-Bromofluorobenzene	86	57 - 140
1,2-Dichloroethane-d4 (Surr)	84	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121230

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121230/3	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1410	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121230/4	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32503.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1439	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromomethane	96	94	28 - 164	1	30		
Chloroethane	101	104	30 - 136	3	30		
2-Butanone (MEK)	90	100	42 - 186	11	30		
Bromochloromethane	96	111	60 - 140	14	30		
Chloromethane	108	107	21 - 153	1	30		
Carbon tetrachloride	107	105	63 - 132	1	30		
Benzene	107	104	66 - 128	3	30		
1,1-Dichloroethene	112	111	40 - 157	1	30		
1,2-Dichloroethane	106	103	61 - 135	3	30		
cis-1,2-Dichloroethene	97	100	62 - 130	3	30		
trans-1,2-Dichloroethene	98	103	65 - 130	5	30		
1,1-Dichloroethane	105	107	64 - 130	2	30		
1,2-Dichloropropane	102	100	71 - 122	2	30		
Chloroform	103	102	67 - 126	1	30		
Methylene Chloride	116	116	48 - 144	0	30		
cis-1,3-Dichloropropene	95	93	66 - 129	1	30		
Toluene	102	100	69 - 125	3	30		
trans-1,3-Dichloropropene	95	97	66 - 134	2	30		
1,1,1-Trichloroethane	105	108	70 - 127	2	30		
1,1,2-Trichloroethane	96	101	67 - 124	5	30		
Tetrachloroethene	113	120	69 - 125	6	30		
Trichloroethene	103	100	70 - 136	3	30		
Chlorodibromomethane	102	100	63 - 125	2	30		
Vinyl chloride	106	105	28 - 159	1	30		
Chlorobenzene	97	98	67 - 126	1	30		
Ethylbenzene	99	97	64 - 127	1	30		
m-Xylene & p-Xylene	98	97	65 - 128	1	30		
Xylenes, Total	97	96	65 - 129	1	30		
o-Xylene	95	95	64 - 132	0	30		
Styrene	107	100	63 - 128	7	30		
Bromoform	93	102	50 - 130	9	30		
Bromodichloromethane	101	101	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	95	96	59 - 134	1	30		
Dichlorodifluoromethane	107	113	12 - 136	6	30		
1,2,4-Trimethylbenzene	101	97	62 - 129	4	30		
2-Chlorotoluene	94	97	60 - 140	3	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121230

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121230/3	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1410	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121230/4	Analysis Batch:	600-121230	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E32503.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/21/2013 1439	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibromomethane	100	113	63 - 128	12	30		
1,1-Dichloropropene	99	100	70 - 125	1	30		
1,3-Dichlorobenzene	99	103	70 - 130	4	30		
n-Butylbenzene	106	102	60 - 140	4	30		
Methyl tert-butyl ether	96	100	49 - 152	4	30		
4-Chlorotoluene	101	94	60 - 140	7	30		
1,2-Dibromo-3-Chloropropane	93	102	49 - 143	9	30		
1,2,4-Trichlorobenzene	109	107	63 - 138	1	30		
Bromobenzene	107	107	71 - 124	1	30		
Hexachlorobutadiene	103	104	55 - 138	1	30		
1,2-Dichlorobenzene	96	96	71 - 129	0	30		
Naphthalene	101	103	55 - 149	2	30		
1,1,1,2-Tetrachloroethane	97	98	69 - 125	1	30		
sec-Butylbenzene	94	94	65 - 131	1	30		
2-Chloroethyl vinyl ether	558	554	68 - 131	1	30	*	*
Isopropylbenzene	97	95	66 - 141	2	30		
2,2-Dichloropropane	109	114	60 - 132	4	30		
N-Propylbenzene	98	98	64 - 133	0	30		
Trichlorofluoromethane	108	102	60 - 140	6	30		
4-Isopropyltoluene	109	107	60 - 140	2	30		
1,2,3-Trichlorobenzene	106	109	63 - 141	3	30		
1,2,3-Trichloropropane	108	120	52 - 155	10	30		
1,3,5-Trimethylbenzene	98	95	65 - 129	3	30		
1,2-Dibromoethane	96	98	60 - 140	3	30		
tert-Butylbenzene	96	95	60 - 140	1	30		
1,4-Dichlorobenzene	97	98	72 - 127	1	30		
1,3-Dichloropropane	100	97	67 - 128	4	30		
Carbon disulfide	99	99	53 - 176	0	30		
Acetone	57	61	44 - 136	8	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	79	75	50 - 130
Dibromofluoromethane	79	78	68 - 140
4-Bromofluorobenzene	80	79	57 - 140
1,2-Dichloroethane-d4 (Surr)	83	91	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121230

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121230/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 600-121230/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/21/2013 1410			Analysis Date:	11/21/2013 1439
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromomethane	50.0	50.0	47.88	47.23
Chloroethane	50.0	50.0	50.55	52.03
2-Butanone (MEK)	100	100	89.64	99.93
Bromochloromethane	50.0	50.0	47.93	55.31
Chloromethane	50.0	50.0	54.07	53.43
Carbon tetrachloride	50.0	50.0	53.29	52.58
Benzene	50.0	50.0	53.35	51.90
1,1-Dichloroethene	50.0	50.0	55.94	55.65
1,2-Dichloroethane	50.0	50.0	53.15	51.58
cis-1,2-Dichloroethene	50.0	50.0	48.56	50.18
trans-1,2-Dichloroethene	50.0	50.0	49.10	51.41
1,1-Dichloroethane	50.0	50.0	52.41	53.66
1,2-Dichloropropane	50.0	50.0	51.12	50.16
Chloroform	50.0	50.0	51.58	51.15
Methylene Chloride	50.0	50.0	58.23	57.96
cis-1,3-Dichloropropene	50.0	50.0	47.28	46.73
Toluene	50.0	50.0	51.07	49.80
trans-1,3-Dichloropropene	50.0	50.0	47.46	48.33
1,1,1-Trichloroethane	50.0	50.0	52.65	53.86
1,1,2-Trichloroethane	50.0	50.0	47.83	50.29
Tetrachloroethene	50.0	50.0	56.56	60.08
Trichloroethene	50.0	50.0	51.51	50.06
Chlorodibromomethane	50.0	50.0	51.05	49.96
Vinyl chloride	50.0	50.0	52.99	52.58
Chlorobenzene	50.0	50.0	48.74	49.10
Ethylbenzene	50.0	50.0	49.35	48.70
m-Xylene & p-Xylene	100	100	97.54	96.54
Xylenes, Total	150	150	144.9	144.1
o-Xylene	50.0	50.0	47.37	47.60
Styrene	50.0	50.0	53.73	50.02
Bromoform	50.0	50.0	46.63	50.99
Bromodichloromethane	50.0	50.0	50.68	50.50
1,1,2,2-Tetrachloroethane	50.0	50.0	47.62	48.05
Dichlorodifluoromethane	50.0	50.0	53.48	56.52
1,2,4-Trimethylbenzene	50.0	50.0	50.38	48.62
2-Chlorotoluene	50.0	50.0	47.02	48.26
Dibromomethane	50.0	50.0	50.06	56.66
1,1-Dichloropropene	50.0	50.0	49.31	49.99
1,3-Dichlorobenzene	50.0	50.0	49.47	51.33

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121230

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121230/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121230/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/21/2013 1410			Analysis Date:	11/21/2013 1439
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	50.0	50.0	52.96	51.04
Methyl tert-butyl ether	50.0	50.0	48.03	50.02
4-Chlorotoluene	50.0	50.0	50.53	46.94
1,2-Dibromo-3-Chloropropane	50.0	50.0	46.32	50.85
1,2,4-Trichlorobenzene	50.0	50.0	54.26	53.47
Bromobenzene	50.0	50.0	53.74	53.33
Hexachlorobutadiene	50.0	50.0	51.66	52.24
1,2-Dichlorobenzene	50.0	50.0	48.20	48.03
Naphthalene	50.0	50.0	50.47	51.38
1,1,1,2-Tetrachloroethane	50.0	50.0	48.60	49.06
sec-Butylbenzene	50.0	50.0	46.76	47.21
2-Chloroethyl vinyl ether	50.0	50.0	279.2 *	277.1 *
Isopropylbenzene	50.0	50.0	48.58	47.60
2,2-Dichloropropane	50.0	50.0	54.49	56.87
N-Propylbenzene	50.0	50.0	49.10	48.88
Trichlorofluoromethane	50.0	50.0	54.20	51.20
4-Isopropyltoluene	50.0	50.0	54.46	53.45
1,2,3-Trichlorobenzene	50.0	50.0	52.95	54.32
1,2,3-Trichloropropane	50.0	50.0	53.81	59.75
1,3,5-Trimethylbenzene	50.0	50.0	48.92	47.58
1,2-Dibromoethane	50.0	50.0	47.76	49.24
tert-Butylbenzene	50.0	50.0	47.90	47.49
1,4-Dichlorobenzene	50.0	50.0	48.40	48.92
1,3-Dichloropropane	50.0	50.0	50.19	48.29
Carbon disulfide	50.0	50.0	49.75	49.59
Acetone	100	100	56.63	61.06

Method Blank - Batch: 600-121251

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121251/4	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1208	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Bromochloromethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	2.19	U	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Chlorodibromomethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121251

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121251/4	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1208	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	3.469	J	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	50 - 130
Dibromofluoromethane	102	68 - 140
4-Bromofluorobenzene	82	57 - 140
1,2-Dichloroethane-d4 (Surr)	100	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121251

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121251/3	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1051	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121251/6	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32610.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1432	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromomethane	96	81	28 - 164	17	30		
Chloroethane	83	76	30 - 136	8	30		
2-Butanone (MEK)	79	73	42 - 186	9	30		
Bromochloromethane	78	86	60 - 140	10	30		
Chloromethane	102	79	21 - 153	25	30		
Carbon tetrachloride	64	76	63 - 132	17	30		
Benzene	70	80	66 - 128	13	30		
1,1-Dichloroethene	62	73	40 - 157	16	30		
1,2-Dichloroethane	87	99	61 - 135	13	30		
cis-1,2-Dichloroethene	69	78	62 - 130	13	30		
trans-1,2-Dichloroethene	65	73	65 - 130	11	30		
1,1-Dichloroethane	67	77	64 - 130	13	30		
1,2-Dichloropropane	91	80	71 - 122	12	30		
Chloroform	85	80	67 - 126	6	30		
Methylene Chloride	65	77	48 - 144	16	30		
cis-1,3-Dichloropropene	71	83	66 - 129	15	30		
Toluene	80	74	69 - 125	7	30		
trans-1,3-Dichloropropene	78	91	66 - 134	15	30		
1,1,1-Trichloroethane	72	76	70 - 127	5	30		
1,1,2-Trichloroethane	81	94	67 - 124	15	30		
Tetrachloroethene	64	81	69 - 125	23	30	*	
Trichloroethene	68	76	70 - 136	11	30	*	
Chlorodibromomethane	78	91	63 - 125	16	30		
Vinyl chloride	100	79	28 - 159	23	30		
Chlorobenzene	68	77	67 - 126	13	30		
Ethylbenzene	84	76	64 - 127	9	30		
m-Xylene & p-Xylene	68	78	65 - 128	15	30		
Xylenes, Total	67	78	65 - 129	15	30		
o-Xylene	66	77	64 - 132	15	30		
Styrene	69	78	63 - 128	13	30		
Bromoform	106	122	50 - 130	14	30		
Bromodichloromethane	86	96	68 - 121	11	30		
1,1,2,2-Tetrachloroethane	103	120	59 - 134	16	30		
Dichlorodifluoromethane	105	73	12 - 136	36	30		*
1,2,4-Trimethylbenzene	77	88	62 - 129	13	30		
2-Chlorotoluene	78	87	60 - 140	11	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121251

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121251/3	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1051	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121251/6	Analysis Batch:	600-121251	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32610.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/22/2013 1432	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibromomethane	88	100	63 - 128	13	30		
1,1-Dichloropropene	71	80	70 - 125	12	30		
1,3-Dichlorobenzene	77	88	70 - 130	14	30		
n-Butylbenzene	72	84	60 - 140	16	30		
Methyl tert-butyl ether	79	89	49 - 152	12	30		
4-Chlorotoluene	79	88	60 - 140	11	30		
1,2-Dibromo-3-Chloropropane	142	170	49 - 143	18	30		*
1,2,4-Trichlorobenzene	72	82	63 - 138	13	30		
Bromobenzene	80	90	71 - 124	12	30		
Hexachlorobutadiene	64	78	55 - 138	19	30		
1,2-Dichlorobenzene	80	92	71 - 129	14	30		
Naphthalene	111	124	55 - 149	11	30		
1,1,1,2-Tetrachloroethane	69	81	69 - 125	16	30		
sec-Butylbenzene	73	88	65 - 131	18	30		
2-Chloroethyl vinyl ether	96	113	68 - 131	16	30		
Isopropylbenzene	77	90	66 - 141	15	30		
2,2-Dichloropropane	84	94	60 - 132	11	30		
N-Propylbenzene	78	88	64 - 133	12	30		
Trichlorofluoromethane	102	87	60 - 140	16	30		
4-Isopropyltoluene	73	86	60 - 140	16	30		
1,2,3-Trichlorobenzene	75	88	63 - 141	16	30		
1,2,3-Trichloropropane	122	147	52 - 155	18	30		
1,3,5-Trimethylbenzene	76	90	65 - 129	16	30		
1,2-Dibromoethane	86	100	60 - 140	14	30		
tert-Butylbenzene	74	89	60 - 140	18	30		
1,4-Dichlorobenzene	79	90	72 - 127	13	30		
1,3-Dichloropropane	79	92	67 - 128	15	30		
Carbon disulfide	68	75	53 - 176	10	30		
Acetone	112	107	44 - 136	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	65	89	50 - 130
Dibromofluoromethane	71	104	68 - 140
4-Bromofluorobenzene	79	83	57 - 140
1,2-Dichloroethane-d4 (Surr)	84	105	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121251

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121251/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121251/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/22/2013 1051			Analysis Date:	11/22/2013 1432
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromomethane	50.0	50.0	48.09	40.49
Chloroethane	50.0	50.0	41.32	38.18
2-Butanone (MEK)	100	100	79.14	72.67
Bromochloromethane	50.0	50.0	38.75	42.84
Chloromethane	50.0	50.0	50.97	39.63
Carbon tetrachloride	50.0	50.0	31.95	37.81
Benzene	50.0	50.0	34.99	39.94
1,1-Dichloroethene	50.0	50.0	31.23	36.50
1,2-Dichloroethane	50.0	50.0	43.44	49.73
cis-1,2-Dichloroethene	50.0	50.0	34.38	39.15
trans-1,2-Dichloroethene	50.0	50.0	32.55	36.25
1,1-Dichloroethane	50.0	50.0	33.71	38.50
1,2-Dichloropropane	50.0	50.0	45.32	40.17
Chloroform	50.0	50.0	42.34	39.83
Methylene Chloride	50.0	50.0	32.74	38.28
cis-1,3-Dichloropropene	50.0	50.0	35.63	41.57
Toluene	50.0	50.0	39.77	37.24
trans-1,3-Dichloropropene	50.0	50.0	39.09	45.40
1,1,1-Trichloroethane	50.0	50.0	35.92	37.79
1,1,2-Trichloroethane	50.0	50.0	40.44	46.78
Tetrachloroethene	50.0	50.0	32.09 *	40.56
Trichloroethene	50.0	50.0	34.05 *	38.06
Chlorodibromomethane	50.0	50.0	39.01	45.71
Vinyl chloride	50.0	50.0	50.00	39.62
Chlorobenzene	50.0	50.0	33.85	38.59
Ethylbenzene	50.0	50.0	41.77	38.07
m-Xylene & p-Xylene	50.0	50.0	33.80	39.18
Xylenes, Total	100	100	67.04	77.70
o-Xylene	50.0	50.0	33.24	38.52
Styrene	50.0	50.0	34.59	39.23
Bromoform	50.0	50.0	53.23	61.12
Bromodichloromethane	50.0	50.0	43.24	48.07
1,1,2,2-Tetrachloroethane	50.0	50.0	51.27	60.20
Dichlorodifluoromethane	50.0	50.0	52.40	36.43 *
1,2,4-Trimethylbenzene	50.0	50.0	38.38	43.87
2-Chlorotoluene	50.0	50.0	39.02	43.64
Dibromomethane	50.0	50.0	43.86	49.85
1,1-Dichloropropene	50.0	50.0	35.72	40.20
1,3-Dichlorobenzene	50.0	50.0	38.47	44.21

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121251

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121251/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121251/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/22/2013 1051			Analysis Date:	11/22/2013 1432
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	50.0	50.0	35.82	41.94
Methyl tert-butyl ether	50.0	50.0	39.29	44.46
4-Chlorotoluene	50.0	50.0	39.41	43.80
1,2-Dibromo-3-Chloropropane	50.0	50.0	71.18	85.06 *
1,2,4-Trichlorobenzene	50.0	50.0	35.98	40.85
Bromobenzene	50.0	50.0	39.82	44.85
Hexachlorobutadiene	50.0	50.0	31.95	38.81
1,2-Dichlorobenzene	50.0	50.0	40.09	46.04
Naphthalene	50.0	50.0	55.57	61.80
1,1,1,2-Tetrachloroethane	50.0	50.0	34.55	40.59
sec-Butylbenzene	50.0	50.0	36.40	43.82
2-Chloroethyl vinyl ether	100	100	95.72	112.9
Isopropylbenzene	50.0	50.0	38.74	45.10
2,2-Dichloropropane	50.0	50.0	42.21	46.94
N-Propylbenzene	50.0	50.0	39.02	44.13
Trichlorofluoromethane	50.0	50.0	51.00	43.60
4-Isopropyltoluene	50.0	50.0	36.70	42.98
1,2,3-Trichlorobenzene	50.0	50.0	37.50	43.83
1,2,3-Trichloropropane	50.0	50.0	61.00	73.42
1,3,5-Trimethylbenzene	50.0	50.0	38.22	44.81
1,2-Dibromoethane	50.0	50.0	43.20	49.78
tert-Butylbenzene	50.0	50.0	37.24	44.74
1,4-Dichlorobenzene	50.0	50.0	39.35	44.99
1,3-Dichloropropane	50.0	50.0	39.57	46.21
Carbon disulfide	50.0	50.0	34.09	37.62
Acetone	100	100	111.9	106.8

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-121349

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-54	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121349	Lab File ID:	J33006.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	6.24 g
Analysis Date:	11/26/2013 1312			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-54	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121349	Lab File ID:	J33007.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	6.51 g
Analysis Date:	11/26/2013 1336			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	91	93	60 - 140	2	30		
Chloromethane	83	88	60 - 140	2	30		
Vinyl chloride	77	77	60 - 140	3	30		
Bromomethane	93	100	60 - 140	3	30		
Chloroethane	88	90	60 - 140	2	30		
Trichlorofluoromethane	92	94	60 - 140	2	30		
1,1-Dichloroethene	104	108	65 - 135	1	30		
trans-1,2-Dichloroethene	91	96	60 - 140	2	30		
Methyl tert-butyl ether	89	92	60 - 140	1	30		
Methylene Chloride	88	94	60 - 140	2	30		
cis-1,2-Dichloroethene	86	92	60 - 140	2	30		
2-Butanone (MEK)	79	82	60 - 140	0	30		
Bromochloromethane	88	91	60 - 140	1	30		
Carbon tetrachloride	92	96	60 - 140	0	30		
Benzene	85	90	65 - 135	2	30		
1,2-Dichloroethane	91	95	60 - 140	0	30		
Trichloroethene	88	93	61 - 135	1	30		
1,1,1-Trichloroethane	90	94	60 - 140	0	30		
1,1-Dichloroethane	85	91	60 - 140	2	30		
1,2-Dichloropropane	84	88	60 - 140	1	30		
2,2-Dichloropropane	95	99	60 - 140	0	30		
Dibromomethane	94	98	60 - 140	0	30		
Chloroform	87	93	60 - 140	2	30		
Bromodichloromethane	88	94	60 - 140	2	30		
2-Chloroethyl vinyl ether	16	17	60 - 140	0	30	F1	F1
1,1-Dichloropropene	89	91	60 - 140	2	30		
cis-1,3-Dichloropropene	88	92	60 - 140	0	30		
Toluene	85	88	64 - 135	0	30		
trans-1,3-Dichloropropene	90	94	60 - 140	0	30		
1,1,2-Trichloroethane	87	89	60 - 140	2	30		
Tetrachloroethene	85	92	60 - 140	4	30		
1,3-Dichloropropane	84	87	60 - 140	1	30		
Chlorodibromomethane	91	95	60 - 140	0	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-121349

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-54	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121349	Lab File ID:	J33006.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	6.24 g
Analysis Date:	11/26/2013 1312			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

MSD Lab Sample ID:	600-82738-54	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121349	Lab File ID:	J33007.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	6.51 g
Analysis Date:	11/26/2013 1336			Final Weight/Volume:	5 mL
Prep Date:	11/19/2013 1600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dibromoethane	88	91	60 - 140	1	30		
Chlorobenzene	86	89	65 - 135	0	30		
1,1,1,2-Tetrachloroethane	89	93	60 - 140	0	30		
Ethylbenzene	86	85	60 - 140	3	30		
m-Xylene & p-Xylene	61	48	60 - 140	6	30		F1
Xylenes, Total	72	67	60 - 140	5	30		
o-Xylene	83	86	60 - 140	1	30		
Styrene	89	93	60 - 140	0	30		
Bromoform	88	93	60 - 140	1	30		
Isopropylbenzene	82	84	60 - 140	1	30		
Bromobenzene	86	91	60 - 140	2	30		
1,2,3-Trichloropropane	80	84	60 - 140	0	30		
1,1,2,2-Tetrachloroethane	73	80	60 - 140	4	30		
N-Propylbenzene	88	82	60 - 140	3	30		
2-Chlorotoluene	83	88	60 - 140	2	30		
4-Chlorotoluene	87	92	60 - 140	2	30		
1,3,5-Trimethylbenzene	80	74	60 - 140	3	30		
tert-Butylbenzene	-38	-37	60 - 140	3	30	F1	F1
4-Isopropyltoluene	78	84	60 - 140	3	30		
1,2,4-Trimethylbenzene	77	52	60 - 140	3	30	E 4	E 4
sec-Butylbenzene	78	84	60 - 140	3	30		
1,3-Dichlorobenzene	82	88	60 - 140	3	30		
1,4-Dichlorobenzene	82	89	60 - 140	3	30		
1,2-Dichlorobenzene	81	87	60 - 140	3	30		
n-Butylbenzene	77	82	60 - 140	1	30		
1,2-Dibromo-3-Chloropropane	68	80	60 - 140	12	30		
1,2,4-Trichlorobenzene	74	82	60 - 140	6	30		
Hexachlorobutadiene	89	96	60 - 140	3	30		
Naphthalene	74	86	60 - 140	6	30		
1,2,3-Trichlorobenzene	62	76	60 - 140	16	30		
Acetone	77	83	60 - 140	3	30		
Carbon disulfide	110	115	60 - 140	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	93	92	50 - 130
Dibromofluoromethane	95	95	68 - 140
4-Bromofluorobenzene	89	90	57 - 140
1,2-Dichloroethane-d4 (Surr)	89	90	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-121349

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-54	Units:	ug/Kg	MSD Lab Sample ID:	600-82738-54
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	20			Dilution:	20
Analysis Date:	11/26/2013 1312			Analysis Date:	11/26/2013 1336
Prep Date:	11/19/2013 1600			Prep Date:	11/19/2013 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	1300	U	40100	38400	36640		35780	
Chloromethane	1400	U	40100	38400	33140		33750	
Vinyl chloride	760	U	40100	38400	30680		29720	
Bromomethane	2120	J	40100	38400	39460		40550	
Chloroethane	1180	U	40100	38400	35440		34600	
Trichlorofluoromethane	557	U	40100	38400	37010		36250	
1,1-Dichloroethene	1030	U	40100	38400	41620		41320	
trans-1,2-Dichloroethene	963	U	40100	38400	36430		37020	
Methyl tert-butyl ether	1550	U	40100	38400	35490		35270	
Methylene Chloride	1850	U	40100	38400	35390		35960	
cis-1,2-Dichloroethene	701	U	40100	38400	34610		35180	
2-Butanone (MEK)	1600	U	80100	76800	62910		63230	
Bromochloromethane	1500	U	40100	38400	35170		34800	
Carbon tetrachloride	954	U	40100	38400	36890		36750	
Benzene	532	U	40100	38400	33930		34500	
1,2-Dichloroethane	760	U	40100	38400	36330		36460	
Trichloroethene	1180	U	40100	38400	35150		35530	
1,1,1-Trichloroethane	625	U	40100	38400	36080		36080	
1,1-Dichloroethane	735	U	40100	38400	34190		34780	
1,2-Dichloropropane	600	U	40100	38400	33470		33730	
2,2-Dichloropropane	1540	U	40100	38400	37900		37920	
Dibromomethane	633	U	40100	38400	37710		37570	
Chloroform	557	U	40100	38400	35040		35680	
Bromodichloromethane	557	U	40100	38400	35330		35950	
2-Chloroethyl vinyl ether	828	U	80100	76800	13080	F1	13070	F1
1,1-Dichloropropene	549	U	40100	38400	35620		34930	
cis-1,3-Dichloropropene	456	U	40100	38400	35380		35270	
Toluene	1170	U	40100	38400	33930		33850	
trans-1,3-Dichloropropene	490	U	40100	38400	36100		36170	
1,1,2-Trichloroethane	617	U	40100	38400	34740		34130	
Tetrachloroethene	600	U	40100	38400	33920		35390	
1,3-Dichloropropane	532	U	40100	38400	33790		33570	
Chlorodibromomethane	794	U	40100	38400	36610		36550	
1,2-Dibromoethane	861	U	40100	38400	35220		34760	
Chlorobenzene	811	U	40100	38400	34270		34360	
1,1,1,2-Tetrachloroethane	1180	U	40100	38400	35550		35590	
Ethylbenzene	20800		40100	38400	55150		53380	
m-Xylene & p-Xylene	75100		40100	38400	99540		93470	F1
Xylenes, Total	81400		80100	76800	138900		132600	
o-Xylene	6270		40100	38400	39400		39170	
Styrene	600	U	40100	38400	35740		35850	
Bromoform	1160	U	40100	38400	35270		35680	
Isopropylbenzene	29700		40100	38400	62660		61810	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-121349

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	600-82738-54	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	20		
Analysis Date:	11/26/2013 1312		
Prep Date:	11/19/2013 1600		
Leach Date:	N/A		

MSD Lab Sample ID:	600-82738-54
Client Matrix:	Solid
Dilution:	20
Analysis Date:	11/26/2013 1336
Prep Date:	11/19/2013 1600
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bromobenzene	836	U	40100	38400	34480		35070	
1,2,3-Trichloropropane	1110	U	40100	38400	32090		32240	
1,1,2,2-Tetrachloroethane	735	U	40100	38400	29350		30620	
N-Propylbenzene	80600		40100	38400	116000		112100	
2-Chlorotoluene	574	U	40100	38400	33190		33870	
4-Chlorotoluene	701	U	40100	38400	34660		35250	
1,3,5-Trimethylbenzene	83400		40100	38400	115400		111800	
tert-Butylbenzene	47500		40100	38400	32210	F1	33270	F1
4-Isopropyltoluene	3000	J	40100	38400	34350		35280	
1,2,4-Trimethylbenzene	291000		40100	38400	322100	E 4	311600	E 4
sec-Butylbenzene	6210		40100	38400	37420		38500	
1,3-Dichlorobenzene	600	U	40100	38400	32730		33740	
1,4-Dichlorobenzene	557	U	40100	38400	33050		34040	
1,2-Dichlorobenzene	676	U	40100	38400	32380		33380	
n-Butylbenzene	19100		40100	38400	50130		50570	
1,2-Dibromo-3-Chloropropane	2060	U	40100	38400	27330		30870	
1,2,4-Trichlorobenzene	1660	U	40100	38400	29520		31350	
Hexachlorobutadiene	954	U	40100	38400	35840		36910	
Naphthalene	29000		40100	38400	58430		62090	
1,2,3-Trichlorobenzene	524	U	40100	38400	24750		29150	
Acetone	1400	U	80100	76800	61840		63840	
Carbon disulfide	465	U	40100	38400	44070		44040	

Method Blank - Batch: 600-121357

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121357/8	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32810.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1559	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Bromochloromethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	2.19	U	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Chlorodibromomethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121357

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 600-121357/8	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32810.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1559	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	2.37	U	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	50 - 130
Dibromofluoromethane	100	68 - 140
4-Bromofluorobenzene	96	57 - 140
1,2-Dichloroethane-d4 (Surr)	84	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121357

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121357/9	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32811.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1638	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121357/11	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32814.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1815	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromomethane	112	95	28 - 164	17	30		
Chloroethane	112	99	30 - 136	12	30		
2-Butanone (MEK)	111	109	42 - 186	1	30		
Bromochloromethane	106	104	60 - 140	1	30		
Chloromethane	111	98	21 - 153	12	30		
Carbon tetrachloride	102	116	63 - 132	13	30		
Benzene	107	111	66 - 128	4	30		
1,1-Dichloroethene	98	114	40 - 157	14	30		
1,2-Dichloroethane	106	106	61 - 135	1	30		
cis-1,2-Dichloroethene	105	106	62 - 130	1	30		
trans-1,2-Dichloroethene	104	110	65 - 130	5	30		
1,1-Dichloroethane	106	107	64 - 130	2	30		
1,2-Dichloropropane	111	111	71 - 122	1	30		
Chloroform	105	107	67 - 126	2	30		
Methylene Chloride	116	117	48 - 144	1	30		
cis-1,3-Dichloropropene	112	115	66 - 129	2	30		
Toluene	110	117	69 - 125	7	30		
trans-1,3-Dichloropropene	105	108	66 - 134	3	30		
1,1,1-Trichloroethane	104	114	70 - 127	9	30		
1,1,2-Trichloroethane	111	109	67 - 124	2	30		
Tetrachloroethene	130	118	69 - 125	9	30	*	
Trichloroethene	107	115	70 - 136	6	30		
Chlorodibromomethane	111	111	63 - 125	0	30		
Vinyl chloride	108	101	28 - 159	7	30		
Chlorobenzene	109	114	67 - 126	5	30		
Ethylbenzene	108	114	64 - 127	5	30		
m-Xylene & p-Xylene	106	114	65 - 128	8	30		
Xylenes, Total	107	114	65 - 129	7	30		
o-Xylene	108	115	64 - 132	5	30		
Styrene	109	112	63 - 128	3	30		
Bromoform	112	113	50 - 130	1	30		
Bromodichloromethane	107	107	68 - 121	0	30		
1,1,2,2-Tetrachloroethane	105	109	59 - 134	4	30		
Dichlorodifluoromethane	103	101	12 - 136	2	30		
1,2,4-Trimethylbenzene	109	115	62 - 129	6	30		
2-Chlorotoluene	107	114	60 - 140	6	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121357

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121357/9	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32811.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1638	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121357/11	Analysis Batch:	600-121357	Instrument ID:	VOAMS09
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	k32814.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/24/2013 1815	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibromomethane	108	106	63 - 128	1	30		
1,1-Dichloropropene	100	114	70 - 125	13	30		
1,3-Dichlorobenzene	106	114	70 - 130	7	30		
n-Butylbenzene	101	117	60 - 140	15	30		
Methyl tert-butyl ether	108	109	49 - 152	0	30		
4-Chlorotoluene	105	114	60 - 140	9	30		
1,2-Dibromo-3-Chloropropane	110	113	49 - 143	3	30		
1,2,4-Trichlorobenzene	103	116	63 - 138	12	30		
Bromobenzene	108	112	71 - 124	4	30		
Hexachlorobutadiene	100	120	55 - 138	18	30		
1,2-Dichlorobenzene	106	112	71 - 129	5	30		
Naphthalene	103	109	55 - 149	6	30		
1,1,1,2-Tetrachloroethane	115	115	69 - 125	0	30		
sec-Butylbenzene	104	119	65 - 131	14	30		
2-Chloroethyl vinyl ether	113	111	68 - 131	2	30		
Isopropylbenzene	106	118	66 - 141	11	30		
2,2-Dichloropropane	100	114	60 - 132	13	30		
N-Propylbenzene	104	117	64 - 133	11	30		
Trichlorofluoromethane	105	98	60 - 140	7	30		
4-Isopropyltoluene	105	118	60 - 140	12	30		
1,2,3-Trichlorobenzene	105	116	63 - 141	10	30		
1,2,3-Trichloropropane	107	105	52 - 155	2	30		
1,3,5-Trimethylbenzene	109	117	65 - 129	8	30		
1,2-Dibromoethane	108	111	60 - 140	3	30		
tert-Butylbenzene	106	120	60 - 140	12	30		
1,4-Dichlorobenzene	105	113	72 - 127	8	30		
1,3-Dichloropropane	109	110	67 - 128	1	30		
Carbon disulfide	99	108	53 - 176	9	30		
Acetone	120	117	44 - 136	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	104	118	50 - 130
Dibromofluoromethane	100	107	68 - 140
4-Bromofluorobenzene	94	106	57 - 140
1,2-Dichloroethane-d4 (Surr)	88	100	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121357

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121357/9	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121357/11
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/24/2013 1638			Analysis Date:	11/24/2013 1815
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromomethane	50.0	50.0	56.21	47.58
Chloroethane	50.0	50.0	55.94	49.44
2-Butanone (MEK)	100	100	110.7	109.2
Bromochloromethane	50.0	50.0	52.75	52.16
Chloromethane	50.0	50.0	55.39	48.89
Carbon tetrachloride	50.0	50.0	51.12	58.13
Benzene	50.0	50.0	53.36	55.29
1,1-Dichloroethene	50.0	50.0	49.16	56.80
1,2-Dichloroethane	50.0	50.0	53.24	52.91
cis-1,2-Dichloroethene	50.0	50.0	52.26	52.88
trans-1,2-Dichloroethene	50.0	50.0	52.03	54.77
1,1-Dichloroethane	50.0	50.0	52.85	53.74
1,2-Dichloropropane	50.0	50.0	55.33	55.63
Chloroform	50.0	50.0	52.56	53.53
Methylene Chloride	50.0	50.0	57.79	58.51
cis-1,3-Dichloropropene	50.0	50.0	56.15	57.30
Toluene	50.0	50.0	54.86	58.58
trans-1,3-Dichloropropene	50.0	50.0	52.57	54.22
1,1,1-Trichloroethane	50.0	50.0	51.91	56.76
1,1,2-Trichloroethane	50.0	50.0	55.70	54.69
Tetrachloroethene	50.0	50.0	64.87 *	59.19
Trichloroethene	50.0	50.0	53.68	57.27
Chlorodibromomethane	50.0	50.0	55.40	55.59
Vinyl chloride	50.0	50.0	54.13	50.33
Chlorobenzene	50.0	50.0	54.46	56.99
Ethylbenzene	50.0	50.0	53.99	56.94
m-Xylene & p-Xylene	50.0	50.0	52.75	57.07
Xylenes, Total	100	100	107.0	114.3
o-Xylene	50.0	50.0	54.22	57.25
Styrene	50.0	50.0	54.33	56.12
Bromoform	50.0	50.0	56.05	56.60
Bromodichloromethane	50.0	50.0	53.58	53.69
1,1,2,2-Tetrachloroethane	50.0	50.0	52.45	54.47
Dichlorodifluoromethane	50.0	50.0	51.51	50.73
1,2,4-Trimethylbenzene	50.0	50.0	54.33	57.71
2-Chlorotoluene	50.0	50.0	53.69	57.15
Dibromomethane	50.0	50.0	53.78	53.11
1,1-Dichloropropene	50.0	50.0	49.84	57.04
1,3-Dichlorobenzene	50.0	50.0	52.87	56.78

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121357

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 600-121357/9	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 600-121357/11
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/24/2013 1638			Analysis Date:	11/24/2013 1815
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	50.0	50.0	50.35	58.61
Methyl tert-butyl ether	50.0	50.0	54.10	54.32
4-Chlorotoluene	50.0	50.0	52.29	57.05
1,2-Dibromo-3-Chloropropane	50.0	50.0	54.76	56.34
1,2,4-Trichlorobenzene	50.0	50.0	51.54	58.08
Bromobenzene	50.0	50.0	53.92	55.89
Hexachlorobutadiene	50.0	50.0	49.86	59.82
1,2-Dichlorobenzene	50.0	50.0	53.08	55.97
Naphthalene	50.0	50.0	51.26	54.55
1,1,1,2-Tetrachloroethane	50.0	50.0	57.34	57.37
sec-Butylbenzene	50.0	50.0	51.81	59.64
2-Chloroethyl vinyl ether	100	100	113.3	110.8
Isopropylbenzene	50.0	50.0	53.20	59.16
2,2-Dichloropropane	50.0	50.0	50.14	57.00
N-Propylbenzene	50.0	50.0	52.18	58.41
Trichlorofluoromethane	50.0	50.0	52.32	48.91
4-Isopropyltoluene	50.0	50.0	52.47	59.14
1,2,3-Trichlorobenzene	50.0	50.0	52.39	58.00
1,2,3-Trichloropropane	50.0	50.0	53.48	52.68
1,3,5-Trimethylbenzene	50.0	50.0	54.32	58.64
1,2-Dibromoethane	50.0	50.0	54.20	55.58
tert-Butylbenzene	50.0	50.0	53.18	59.78
1,4-Dichlorobenzene	50.0	50.0	52.41	56.50
1,3-Dichloropropane	50.0	50.0	54.62	55.17
Carbon disulfide	50.0	50.0	49.31	53.92
Acetone	100	100	120.0	117.2

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121548

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 600-121548/2-A	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121548	Lab File ID:	J33004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4 g
Analysis Date:	11/26/2013 1225	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/26/2013 1049				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	434.3	J	104	1250
Chloroethane	175	U	175	1250
2-Butanone (MEK)	238	U	238	1250
Bromochloromethane	223	U	223	625
Chloromethane	208	U	208	1250
Carbon tetrachloride	141	U	141	625
Benzene	78.8	U	78.8	625
1,1-Dichloroethene	153	U	153	625
1,2-Dichloroethane	113	U	113	625
cis-1,2-Dichloroethene	104	U	104	625
trans-1,2-Dichloroethene	143	U	143	625
1,1-Dichloroethane	109	U	109	625
1,2-Dichloropropane	88.8	U	88.8	625
Chloroform	82.5	U	82.5	625
Methylene Chloride	274	U	274	1250
cis-1,3-Dichloropropene	67.5	U	67.5	625
trans-1,3-Dichloropropene	72.5	U	72.5	625
Toluene	173	U	173	625
1,1,1-Trichloroethane	92.5	U	92.5	625
1,1,2-Trichloroethane	91.3	U	91.3	5000
Tetrachloroethene	88.8	U	88.8	625
Trichloroethene	175	U	175	625
Chlorodibromomethane	118	U	118	625
Vinyl chloride	113	U	113	1250
Chlorobenzene	120	U	120	625
Ethylbenzene	128	U	128	625
m-Xylene & p-Xylene	190	U	190	1250
Xylenes, Total	141	U	141	625
o-Xylene	141	U	141	625
Styrene	88.8	U	88.8	625
Bromoform	171	U	171	625
Bromodichloromethane	82.5	U	82.5	625
1,1,2,2-Tetrachloroethane	109	U	109	625
Dichlorodifluoromethane	193	U	193	625
1,2,4-Trimethylbenzene	115	U	115	625
2-Chlorotoluene	85.0	U	85.0	625
Dibromomethane	93.8	U	93.8	625
1,1-Dichloropropene	81.3	U	81.3	625
1,3-Dichlorobenzene	88.8	U	88.8	625
n-Butylbenzene	72.5	U	72.5	625
Methyl tert-butyl ether	229	U	229	625
4-Chlorotoluene	104	U	104	625
1,2-Dibromo-3-Chloropropane	305	U	305	625
1,2,4-Trichlorobenzene	246	U	246	625
Bromobenzene	124	U	124	625

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121548

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 600-121548/2-A	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121548	Lab File ID:	J33004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4 g
Analysis Date:	11/26/2013 1225	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/26/2013 1049				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	141	U	141	625
1,2-Dichlorobenzene	100	U	100	625
Naphthalene	2843		296	1250
1,1,1,2-Tetrachloroethane	175	U	175	625
sec-Butylbenzene	87.5	U	87.5	625
2-Chloroethyl vinyl ether	123	U	123	1250
Isopropylbenzene	115	U	115	625
2,2-Dichloropropane	228	U	228	625
N-Propylbenzene	119	U	119	625
Trichlorofluoromethane	82.5	U	82.5	1250
4-Isopropyltoluene	128	U	128	625
1,2,3-Trichlorobenzene	77.5	U	77.5	625
1,2,3-Trichloropropane	164	U	164	625
1,3,5-Trimethylbenzene	200	U	200	625
1,2-Dibromoethane	128	U	128	625
tert-Butylbenzene	119	U	119	625
1,4-Dichlorobenzene	82.5	U	82.5	625
1,3-Dichloropropane	78.8	U	78.8	625
Carbon disulfide	68.8	U	68.8	1250
Acetone	208	U	208	1250

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	50 - 130
Dibromofluoromethane	93	68 - 140
4-Bromofluorobenzene	90	57 - 140
1,2-Dichloroethane-d4 (Surr)	91	61 - 130

Lab Control Sample - Batch: 600-121548

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 600-121548/1-A	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121548	Lab File ID:	J33002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4 g
Analysis Date:	11/26/2013 1138	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/26/2013 1049				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	6250	6236	100	28 - 164	
Chloroethane	6250	5527	88	30 - 136	
2-Butanone (MEK)	12500	9561	76	42 - 186	
Bromochloromethane	6250	5407	87	60 - 140	
Chloromethane	6250	5253	84	21 - 153	
Carbon tetrachloride	6250	5898	94	63 - 132	
Benzene	6250	5418	87	66 - 128	
1,1-Dichloroethene	6250	6569	105	40 - 157	
1,2-Dichloroethane	6250	5687	91	61 - 135	
cis-1,2-Dichloroethene	6250	5518	88	62 - 130	
trans-1,2-Dichloroethene	6250	5785	93	65 - 130	
1,1-Dichloroethane	6250	5430	87	64 - 130	
1,2-Dichloropropane	6250	5282	85	71 - 122	
Chloroform	6250	5552	89	67 - 126	
Methylene Chloride	6250	5641	90	48 - 144	
cis-1,3-Dichloropropene	6250	5553	89	66 - 129	
trans-1,3-Dichloropropene	6250	5654	90	66 - 134	
Toluene	6250	5391	86	69 - 125	
1,1,1-Trichloroethane	6250	5764	92	70 - 127	
1,1,2-Trichloroethane	6250	5318	85	67 - 124	
Tetrachloroethene	6250	5352	86	69 - 125	
Trichloroethene	6250	5676	91	70 - 136	
Chlorodibromomethane	6250	5722	92	63 - 125	
Vinyl chloride	6250	4823	77	28 - 159	
Chlorobenzene	6250	5446	87	67 - 126	
Ethylbenzene	6250	5381	86	64 - 127	
m-Xylene & p-Xylene	6250	5458	87	65 - 128	
Xylenes, Total	12500	10840	87	65 - 129	
o-Xylene	6250	5384	86	64 - 132	
Styrene	6250	5627	90	63 - 128	
Bromoform	6250	5544	89	50 - 130	
Bromodichloromethane	6250	5559	89	68 - 121	
1,1,2,2-Tetrachloroethane	6250	4843	77	59 - 134	
Dichlorodifluoromethane	6250	5655	90	12 - 136	
1,2,4-Trimethylbenzene	6250	5275	84	62 - 129	
2-Chlorotoluene	6250	5237	84	60 - 140	
Dibromomethane	6250	5790	93	63 - 128	
1,1-Dichloropropene	6250	5652	90	70 - 125	
1,3-Dichlorobenzene	6250	5235	84	70 - 130	
n-Butylbenzene	6250	5105	82	60 - 140	
Methyl tert-butyl ether	6250	5435	87	49 - 152	
4-Chlorotoluene	6250	5270	84	60 - 140	
1,2-Dibromo-3-Chloropropane	6250	4943	79	49 - 143	
1,2,4-Trichlorobenzene	6250	5084	81	63 - 138	
Bromobenzene	6250	5518	88	71 - 124	
Hexachlorobutadiene	6250	6149	98	55 - 138	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample - Batch: 600-121548

Method: 8260B
Preparation: 5035

Lab Sample ID:	LCS 600-121548/1-A	Analysis Batch:	600-121549	Instrument ID:	VOAMS06
Client Matrix:	Solid	Prep Batch:	600-121548	Lab File ID:	J33002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4 g
Analysis Date:	11/26/2013 1138	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/26/2013 1049				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dichlorobenzene	6250	5191	83	71 - 129	
Naphthalene	6250	8896	142	55 - 149	
1,1,1,2-Tetrachloroethane	6250	5615	90	69 - 125	
sec-Butylbenzene	6250	5050	81	65 - 131	
2-Chloroethyl vinyl ether	12500	2125	17	68 - 131	*
Isopropylbenzene	6250	5245	84	66 - 141	
2,2-Dichloropropane	6250	6153	98	60 - 132	
N-Propylbenzene	6250	5235	84	64 - 133	
Trichlorofluoromethane	6250	5700	91	60 - 140	
4-Isopropyltoluene	6250	5048	81	60 - 140	
1,2,3-Trichlorobenzene	6250	5154	82	63 - 141	
1,2,3-Trichloropropane	6250	4950	79	52 - 155	
1,3,5-Trimethylbenzene	6250	5240	84	65 - 129	
1,2-Dibromoethane	6250	5439	87	60 - 140	
tert-Butylbenzene	6250	5209	83	60 - 140	
1,4-Dichlorobenzene	6250	5342	85	72 - 127	
1,3-Dichloropropane	6250	5309	85	67 - 128	
Carbon disulfide	6250	7083	113	53 - 176	
Acetone	12500	9891	79	44 - 136	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	89	50 - 130
Dibromofluoromethane	90	68 - 140
4-Bromofluorobenzene	86	57 - 140
1,2-Dichloroethane-d4 (Surr)	85	61 - 130

Method Blank - Batch: 600-121704

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 600-121704/4	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1554	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1554				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromomethane	0.830	U	0.830	10.0
Chloroethane	1.40	U	1.40	10.0
2-Butanone (MEK)	1.90	U	1.90	10.0
Chlorobromomethane	1.78	U	1.78	5.00
Chloromethane	1.66	U	1.66	10.0
Carbon tetrachloride	1.13	U	1.13	5.00
Benzene	0.630	U	0.630	5.00
1,1-Dichloroethene	1.22	U	1.22	5.00
1,2-Dichloroethane	0.900	U	0.900	5.00
cis-1,2-Dichloroethene	0.830	U	0.830	5.00
trans-1,2-Dichloroethene	1.14	U	1.14	5.00
1,1-Dichloroethane	0.870	U	0.870	5.00
1,2-Dichloropropane	0.710	U	0.710	5.00
Chloroform	0.660	U	0.660	5.00
Methylene Chloride	2.472	J	2.19	10.0
cis-1,3-Dichloropropene	0.540	U	0.540	5.00
trans-1,3-Dichloropropene	0.580	U	0.580	5.00
Toluene	1.38	U	1.38	5.00
1,1,1-Trichloroethane	0.740	U	0.740	5.00
1,1,2-Trichloroethane	0.730	U	0.730	40.0
Tetrachloroethene	0.710	U	0.710	5.00
Trichloroethene	1.40	U	1.40	5.00
Dibromochloromethane	0.940	U	0.940	5.00
Vinyl chloride	0.900	U	0.900	10.0
Chlorobenzene	0.960	U	0.960	5.00
Ethylbenzene	1.02	U	1.02	5.00
m-Xylene & p-Xylene	1.52	U	1.52	10.0
Xylenes, Total	1.13	U	1.13	5.00
o-Xylene	1.13	U	1.13	5.00
Styrene	0.710	U	0.710	5.00
Bromoform	1.37	U	1.37	5.00
Bromodichloromethane	0.660	U	0.660	5.00
1,1,2,2-Tetrachloroethane	0.870	U	0.870	5.00
Dichlorodifluoromethane	1.54	U	1.54	5.00
1,2,4-Trimethylbenzene	0.920	U	0.920	5.00
2-Chlorotoluene	0.680	U	0.680	5.00
Dibromomethane	0.750	U	0.750	5.00
1,1-Dichloropropene	0.650	U	0.650	5.00
1,3-Dichlorobenzene	0.710	U	0.710	5.00
n-Butylbenzene	0.580	U	0.580	5.00
Methyl tert-butyl ether	1.83	U	1.83	5.00
4-Chlorotoluene	0.830	U	0.830	5.00
1,2-Dibromo-3-Chloropropane	2.44	U	2.44	5.00
1,2,4-Trichlorobenzene	1.97	U	1.97	5.00
Bromobenzene	0.990	U	0.990	5.00

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Method Blank - Batch: 600-121704

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 600-121704/4	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1554	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1554				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorobutadiene	1.13	U	1.13	5.00
1,2-Dichlorobenzene	0.800	U	0.800	5.00
Naphthalene	2.37	U	2.37	10.0
1,1,1,2-Tetrachloroethane	1.40	U	1.40	5.00
sec-Butylbenzene	0.700	U	0.700	5.00
2-Chloroethyl vinyl ether	0.980	U	0.980	10.0
Isopropylbenzene	0.920	U	0.920	5.00
2,2-Dichloropropane	1.82	U	1.82	5.00
N-Propylbenzene	0.950	U	0.950	5.00
Trichlorofluoromethane	0.660	U	0.660	10.0
4-Isopropyltoluene	1.02	U	1.02	5.00
1,2,3-Trichlorobenzene	0.620	U	0.620	5.00
1,2,3-Trichloropropane	1.31	U	1.31	5.00
1,3,5-Trimethylbenzene	1.60	U	1.60	5.00
1,2-Dibromoethane	1.02	U	1.02	5.00
tert-Butylbenzene	0.950	U	0.950	5.00
1,4-Dichlorobenzene	0.660	U	0.660	5.00
1,3-Dichloropropane	0.630	U	0.630	5.00
Carbon disulfide	0.550	U	0.550	10.0
Acetone	1.66	U	1.66	10.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	50 - 130
Dibromofluoromethane	86	68 - 140
4-Bromofluorobenzene	90	57 - 140
1,2-Dichloroethane-d4 (Surr)	83	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121704

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 600-121704/3	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1456	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1456				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121704/5	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1622	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1622				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromomethane	112	108	28 - 164	4	30		
Chloroethane	118	112	30 - 136	5	30		
2-Butanone (MEK)	98	102	42 - 186	4	30		
Chlorobromomethane	106	115	60 - 140	8	30		
Chloromethane	117	109	21 - 153	7	30		
Carbon tetrachloride	114	113	63 - 132	1	30		
Benzene	110	113	66 - 128	2	30		
1,1-Dichloroethene	131	117	40 - 157	12	30		
1,2-Dichloroethane	119	111	61 - 135	7	30		
cis-1,2-Dichloroethene	108	117	62 - 130	7	30		
trans-1,2-Dichloroethene	109	119	65 - 130	9	30		
1,1-Dichloroethane	120	122	64 - 130	1	30		
1,2-Dichloropropane	111	120	71 - 122	8	30		
Chloroform	117	115	67 - 126	2	30		
Methylene Chloride	121	115	48 - 144	6	30		
cis-1,3-Dichloropropene	106	106	66 - 129	0	30		
Toluene	106	117	69 - 125	9	30		
trans-1,3-Dichloropropene	106	113	66 - 134	6	30		
1,1,1-Trichloroethane	113	115	70 - 127	2	30		
1,1,2-Trichloroethane	111	114	67 - 124	3	30		
Tetrachloroethene	103	119	69 - 125	14	30		
Trichloroethene	102	117	70 - 136	13	30		
Dibromochloromethane	109	113	63 - 125	4	30		
Vinyl chloride	118	111	28 - 159	6	30		
Chlorobenzene	102	106	67 - 126	4	30		
Ethylbenzene	101	120	64 - 127	17	30		
m-Xylene & p-Xylene	102	116	65 - 128	14	30		
Xylenes, Total	101	115	65 - 129	13	30		
o-Xylene	99	113	64 - 132	13	30		
Styrene	115	121	63 - 128	5	30		
Bromoform	102	111	50 - 130	8	30		
Bromodichloromethane	114	119	68 - 121	4	30		
1,1,2,2-Tetrachloroethane	110	119	59 - 134	8	30		
Dichlorodifluoromethane	117	111	12 - 136	6	30		
1,2,4-Trimethylbenzene	102	114	62 - 129	11	30		
2-Chlorotoluene	96	110	60 - 140	14	30		

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-121704

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 600-121704/3	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1456	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1456				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-121704/5	Analysis Batch:	600-121704	Instrument ID:	VOAMS04
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E33005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2013 1622	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	11/26/2013 1622				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dibromomethane	106	111	63 - 128	5	30		
1,1-Dichloropropene	111	112	70 - 125	1	30		
1,3-Dichlorobenzene	98	114	70 - 130	15	30		
n-Butylbenzene	106	117	60 - 140	9	30		
Methyl tert-butyl ether	111	106	49 - 152	4	30		
4-Chlorotoluene	105	114	60 - 140	9	30		
1,2-Dibromo-3-Chloropropane	95	96	49 - 143	1	30		
1,2,4-Trichlorobenzene	103	110	63 - 138	6	30		
Bromobenzene	109	119	71 - 124	9	30		
Hexachlorobutadiene	90	99	55 - 138	10	30		
1,2-Dichlorobenzene	94	106	71 - 129	12	30		
Naphthalene	102	97	55 - 149	4	30		
1,1,1,2-Tetrachloroethane	98	119	69 - 125	20	30		
sec-Butylbenzene	97	111	65 - 131	13	30		
2-Chloroethyl vinyl ether	634	607	68 - 131	4	30	*	*
Isopropylbenzene	99	112	66 - 141	13	30		
2,2-Dichloropropane	119	118	60 - 132	1	30		
N-Propylbenzene	104	118	64 - 133	12	30		
Trichlorofluoromethane	124	119	60 - 140	4	30		
4-Isopropyltoluene	110	125	60 - 140	13	30		
1,2,3-Trichlorobenzene	95	100	63 - 141	5	30		
1,2,3-Trichloropropane	131	128	52 - 155	2	30		
1,3,5-Trimethylbenzene	103	115	65 - 129	11	30		
1,2-Dibromoethane	101	112	60 - 140	10	30		
tert-Butylbenzene	98	110	60 - 140	11	30		
1,4-Dichlorobenzene	96	110	72 - 127	14	30		
1,3-Dichloropropane	114	109	67 - 128	4	30		
Carbon disulfide	112	112	53 - 176	0	30		
Acetone	64	57	44 - 136	11	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	88	93	50 - 130
Dibromofluoromethane	95	92	68 - 140
4-Bromofluorobenzene	89	96	57 - 140
1,2-Dichloroethane-d4 (Surr)	109	93	61 - 130

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121704

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 600-121704/3	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 600-121704/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/26/2013 1456			Analysis Date:	11/26/2013 1622
Prep Date:	11/26/2013 1456			Prep Date:	11/26/2013 1622
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromomethane	50.0	50.0	56.12	53.80
Chloroethane	50.0	50.0	59.08	56.07
2-Butanone (MEK)	100	100	97.59	101.7
Chlorobromomethane	50.0	50.0	53.14	57.54
Chloromethane	50.0	50.0	58.62	54.41
Carbon tetrachloride	50.0	50.0	57.14	56.66
Benzene	50.0	50.0	55.11	56.49
1,1-Dichloroethene	50.0	50.0	65.60	58.40
1,2-Dichloroethane	50.0	50.0	59.47	55.55
cis-1,2-Dichloroethene	50.0	50.0	54.16	58.26
trans-1,2-Dichloroethene	50.0	50.0	54.30	59.68
1,1-Dichloroethane	50.0	50.0	60.15	60.95
1,2-Dichloropropane	50.0	50.0	55.55	60.13
Chloroform	50.0	50.0	58.62	57.37
Methylene Chloride	50.0	50.0	60.64	57.35
cis-1,3-Dichloropropene	50.0	50.0	52.82	52.95
Toluene	50.0	50.0	53.14	58.38
trans-1,3-Dichloropropene	50.0	50.0	53.19	56.55
1,1,1-Trichloroethane	50.0	50.0	56.33	57.31
1,1,2-Trichloroethane	50.0	50.0	55.54	56.97
Tetrachloroethene	50.0	50.0	51.50	59.33
Trichloroethene	50.0	50.0	50.92	58.26
Dibromochloromethane	50.0	50.0	54.45	56.52
Vinyl chloride	50.0	50.0	58.93	55.55
Chlorobenzene	50.0	50.0	51.24	53.22
Ethylbenzene	50.0	50.0	50.62	60.09
m-Xylene & p-Xylene	100	100	101.6	116.5
Xylenes, Total	150	150	151.0	172.9
o-Xylene	50.0	50.0	49.44	56.36
Styrene	50.0	50.0	57.38	60.28
Bromoform	50.0	50.0	50.94	55.34
Bromodichloromethane	50.0	50.0	56.90	59.38
1,1,2,2-Tetrachloroethane	50.0	50.0	55.01	59.66
Dichlorodifluoromethane	50.0	50.0	58.51	55.33
1,2,4-Trimethylbenzene	50.0	50.0	51.02	57.02
2-Chlorotoluene	50.0	50.0	47.94	54.92
Dibromomethane	50.0	50.0	53.09	55.72
1,1-Dichloropropene	50.0	50.0	55.37	56.09
1,3-Dichlorobenzene	50.0	50.0	49.18	57.09

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-121704

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 600-121704/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 600-121704/5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/26/2013 1456			Analysis Date:	11/26/2013 1622
Prep Date:	11/26/2013 1456			Prep Date:	11/26/2013 1622
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	50.0	50.0	53.19	58.48
Methyl tert-butyl ether	50.0	50.0	55.47	53.04
4-Chlorotoluene	50.0	50.0	52.35	57.08
1,2-Dibromo-3-Chloropropane	50.0	50.0	47.74	47.99
1,2,4-Trichlorobenzene	50.0	50.0	51.47	54.77
Bromobenzene	50.0	50.0	54.48	59.35
Hexachlorobutadiene	50.0	50.0	44.84	49.45
1,2-Dichlorobenzene	50.0	50.0	46.92	53.08
Naphthalene	50.0	50.0	50.88	48.70
1,1,1,2-Tetrachloroethane	50.0	50.0	48.80	59.49
sec-Butylbenzene	50.0	50.0	48.64	55.53
2-Chloroethyl vinyl ether	50.0	50.0	317.1 *	303.6 *
Isopropylbenzene	50.0	50.0	49.56	56.25
2,2-Dichloropropane	50.0	50.0	59.64	59.17
N-Propylbenzene	50.0	50.0	52.16	59.08
Trichlorofluoromethane	50.0	50.0	62.09	59.44
4-Isopropyltoluene	50.0	50.0	54.80	62.37
1,2,3-Trichlorobenzene	50.0	50.0	47.71	50.20
1,2,3-Trichloropropane	50.0	50.0	65.40	64.11
1,3,5-Trimethylbenzene	50.0	50.0	51.27	57.29
1,2-Dibromoethane	50.0	50.0	50.71	56.21
tert-Butylbenzene	50.0	50.0	48.95	54.90
1,4-Dichlorobenzene	50.0	50.0	48.04	55.21
1,3-Dichloropropane	50.0	50.0	56.94	54.45
Carbon disulfide	50.0	50.0	56.09	55.96
Acetone	100	100	63.97	57.12

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Duplicate - Batch: 600-120835

Method: Moisture
Preparation: N/A

Lab Sample ID:	600-82738-21	Analysis Batch:	600-120835	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2013 0847	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	12	13	6	20	
Percent Solids	88	87	0.8	20	

Duplicate - Batch: 600-120835

Method: Moisture
Preparation: N/A

Lab Sample ID:	600-82738-32	Analysis Batch:	600-120835	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2013 0847	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	14	14	2	20	
Percent Solids	86	86	0.4	20	

Duplicate - Batch: 600-120835

Method: Moisture
Preparation: N/A

Lab Sample ID:	600-82738-43	Analysis Batch:	600-120835	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2013 0847	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	24	25	2	20	
Percent Solids	76	75	0.6	20	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Duplicate - Batch: 600-120835

Method: Moisture
Preparation: N/A

Lab Sample ID:	600-82738-55	Analysis Batch:	600-120835	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2013 0847	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	25	23	9	20	
Percent Solids	75	77	3	20	

Duplicate - Batch: 600-120835

Method: Moisture
Preparation: N/A

Lab Sample ID:	600-82738-9	Analysis Batch:	600-120835	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2013 0847	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	19	19	4	20	
Percent Solids	81	81	0.8	20	

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc. Job Number: 600-82738-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	ISTD response or retention time outside acceptable limits
	*	LCS or LCSD exceeds the control limits
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery and/or RPD exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-120809					
LCS 600-120809/3	Lab Control Sample	T	Water	8260B	
MB 600-120809/4	Method Blank	T	Water	8260B	
600-82738-13	TB01-11112013	T	Water	8260B	
600-82738-19	TB02-11112013	T	Water	8260B	
600-82738-38	TB03-11122013	T	Water	8260B	
600-82738-44	TB04-11122013	T	Water	8260B	
600-82738-63	TB05-11132013	T	Water	8260B	
600-82738-64	TB06-11132013	T	Water	8260B	
600-82739-E-1 MS	Matrix Spike	T	Water	8260B	
600-82739-E-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Prep Batch: 600-120942					
600-82738-2	SB01-2-3-11112013	T	Solid	5035	
600-82738-2MS	Matrix Spike	T	Solid	5035	
600-82738-2MSD	Matrix Spike Duplicate	T	Solid	5035	
600-82738-3	SB01-5-6-11112013	T	Solid	5035	
600-82738-4	SB01-15-16-11112013	T	Solid	5035	
600-82738-5	SB01-20-21-11112013	T	Solid	5035	
600-82738-6	SB01-24-25-11112013	T	Solid	5035	
600-82738-7	SB02-2-3-11112013	T	Solid	5035	
600-82738-8	SB02-5-6-11112013	T	Solid	5035	
600-82738-9	SB02-12-13-11112013	T	Solid	5035	
600-82738-10	SB02-18-19-11112013	T	Solid	5035	
600-82738-11	SB02-24-25-11112013	T	Solid	5035	
600-82738-12	FD02-24-25-11112013	T	Solid	5035	
600-82738-14	SB03-2-3-11112013	T	Solid	5035	
600-82738-15	SB03-5-6-11112013	T	Solid	5035	
600-82738-16	SB03-15-16-11112013	T	Solid	5035	
600-82738-18	SB03-24-25-11112013	T	Solid	5035	
600-82738-20	SB04-2-3-11122013	T	Solid	5035	
600-82738-21	SB04-5-6-11122013	T	Solid	5035	
600-82738-22	SB04-15-16-11122013	T	Solid	5035	
600-82738-23	SB04-20-21-11122013	T	Solid	5035	
600-82738-24	FD04-20-21-11122013	T	Solid	5035	
600-82738-25	SB04-29-30-11122013	T	Solid	5035	
600-82738-26	SB05-2-3-11122013	T	Solid	5035	
600-82738-27	SB05-5-6-11122013	T	Solid	5035	
600-82738-27MS	Matrix Spike	T	Solid	5035	
600-82738-27MSDMSD	Matrix Spike Duplicate	T	Solid	5035	
600-82738-28	SB05-11-12-11122013	T	Solid	5035	
600-82738-29	SB05-18-19-11122013	T	Solid	5035	
600-82738-30	SB05-25-26-11122013	T	Solid	5035	
600-82738-32	SB06-2-3-11122013	T	Solid	5035	
600-82738-33	SB06-5-6-11122013	T	Solid	5035	
600-82738-34	SB06-11-12-11122013	T	Solid	5035	
600-82738-35	SB06-16-17-11122013	T	Solid	5035	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 600-120942					
600-82738-36	SB06-21-22-11122013	T	Solid	5035	
600-82738-37	FD06-21-22-11122013	T	Solid	5035	
600-82738-39	SB07-2-3-11122013	T	Solid	5035	
600-82738-40	SB07-5-6-11122013	T	Solid	5035	
600-82738-41	SB07-14-15-11122013	T	Solid	5035	
600-82738-42	SB07-20-21-11122013	T	Solid	5035	
600-82738-43	SB07-29-30-11122013	T	Solid	5035	
600-82738-45	SB08-2-3-11132013	T	Solid	5035	
600-82738-46	SB08-5-6-11132013	T	Solid	5035	
600-82738-47	FD08-5-6-11132013	T	Solid	5035	
600-82738-50	SB08-24-25-11132013	T	Solid	5035	
600-82738-51	SB09-2-3-11132013	T	Solid	5035	
600-82738-52	SB09-5-6-11132013	T	Solid	5035	
600-82738-56	SB10-2-3-11132013	T	Solid	5035	
600-82738-58	SB10-15-16-11132013	T	Solid	5035	
600-82738-59	SB10-20-21-11132013	T	Solid	5035	
600-82738-60	SB10-29-30-11132013	T	Solid	5035	
600-82738-61	FD10-29-30-11132013	T	Solid	5035	
Analysis Batch:600-121113					
LCS 600-121113/3	Lab Control Sample	T	Solid	8260B	
LCSD 600-121113/10	Lab Control Sample Duplicate	T	Solid	8260B	
MB 600-121113/4	Method Blank	T	Solid	8260B	
600-82738-2	SB01-2-3-11112013	T	Solid	8260B	600-120942
600-82738-2MS	Matrix Spike	T	Solid	8260B	600-120942
600-82738-2MSD	Matrix Spike Duplicate	T	Solid	8260B	600-120942
600-82738-3	SB01-5-6-11112013	T	Solid	8260B	600-120942
600-82738-4	SB01-15-16-11112013	T	Solid	8260B	600-120942
600-82738-5	SB01-20-21-11112013	T	Solid	8260B	600-120942
600-82738-6	SB01-24-25-11112013	T	Solid	8260B	600-120942
600-82738-7	SB02-2-3-11112013	T	Solid	8260B	600-120942
600-82738-8	SB02-5-6-11112013	T	Solid	8260B	600-120942
600-82738-9	SB02-12-13-11112013	T	Solid	8260B	600-120942
600-82738-10	SB02-18-19-11112013	T	Solid	8260B	600-120942
600-82738-11	SB02-24-25-11112013	T	Solid	8260B	600-120942
600-82738-12	FD02-24-25-11112013	T	Solid	8260B	600-120942
600-82738-14	SB03-2-3-11112013	T	Solid	8260B	600-120942
600-82738-15	SB03-5-6-11112013	T	Solid	8260B	600-120942
600-82738-16	SB03-15-16-11112013	T	Solid	8260B	600-120942
600-82738-18	SB03-24-25-11112013	T	Solid	8260B	600-120942
600-82738-20	SB04-2-3-11122013	T	Solid	8260B	600-120942
600-82738-21	SB04-5-6-11122013	T	Solid	8260B	600-120942

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-121151					
LCS 600-121151/3	Lab Control Sample	T	Solid	8260B	
MB 600-121151/4	Method Blank	T	Solid	8260B	
600-82738-36	SB06-21-22-11122013	T	Solid	8260B	600-120942
600-82738-37	FD06-21-22-11122013	T	Solid	8260B	600-120942
600-82738-39	SB07-2-3-11122013	T	Solid	8260B	600-120942
600-82738-40	SB07-5-6-11122013	T	Solid	8260B	600-120942
600-82738-41	SB07-14-15-11122013	T	Solid	8260B	600-120942
600-82738-42	SB07-20-21-11122013	T	Solid	8260B	600-120942
600-82738-43	SB07-29-30-11122013	T	Solid	8260B	600-120942
600-82738-47	FD08-5-6-11132013	T	Solid	8260B	600-120942
600-82738-50	SB08-24-25-11132013	T	Solid	8260B	600-120942
600-82738-51	SB09-2-3-11132013	T	Solid	8260B	600-120942
600-82738-52	SB09-5-6-11132013	T	Solid	8260B	600-120942
600-82738-56	SB10-2-3-11132013	T	Solid	8260B	600-120942
600-82738-58	SB10-15-16-11132013	T	Solid	8260B	600-120942
600-82738-59	SB10-20-21-11132013	T	Solid	8260B	600-120942
600-82738-60	SB10-29-30-11132013	T	Solid	8260B	600-120942
600-82738-61	FD10-29-30-11132013	T	Solid	8260B	600-120942
Analysis Batch:600-121230					
LCS 600-121230/3	Lab Control Sample	T	Solid	8260B	
LCSD 600-121230/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 600-121230/5	Method Blank	T	Solid	8260B	
600-82738-22	SB04-15-16-11122013	T	Solid	8260B	600-120942
600-82738-23	SB04-20-21-11122013	T	Solid	8260B	600-120942
600-82738-24	FD04-20-21-11122013	T	Solid	8260B	600-120942
600-82738-25	SB04-29-30-11122013	T	Solid	8260B	600-120942
600-82738-26	SB05-2-3-11122013	T	Solid	8260B	600-120942
Analysis Batch:600-121251					
LCS 600-121251/3	Lab Control Sample	T	Solid	8260B	
LCSD 600-121251/6	Lab Control Sample Duplicate	T	Solid	8260B	
MB 600-121251/4	Method Blank	T	Solid	8260B	
600-82738-27	SB05-5-6-11122013	T	Solid	8260B	600-120942
600-82738-27MS	Matrix Spike	T	Solid	8260B	600-120942
600-82738-27MSDMSD	Matrix Spike Duplicate	T	Solid	8260B	600-120942
600-82738-29	SB05-18-19-11122013	T	Solid	8260B	600-120942
600-82738-30	SB05-25-26-11122013	T	Solid	8260B	600-120942
600-82738-34	SB06-11-12-11122013	T	Solid	8260B	600-120942
600-82738-35	SB06-16-17-11122013	T	Solid	8260B	600-120942
600-82738-45	SB08-2-3-11132013	T	Solid	8260B	600-120942

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 600-121349					
600-82738-17	SB03-18-19-11112013	T	Solid	5035	
600-82738-42	SB07-20-21-11122013	T	Solid	5035	
600-82738-48	SB08-16-17-11132013	T	Solid	5035	
600-82738-49	SB08-19-20-11132013	T	Solid	5035	
600-82738-53	SB09-16-17-11132013	T	Solid	5035	
600-82738-54	SB09-18-19-11132013	T	Solid	5035	
600-82738-54MS	Matrix Spike	T	Solid	5035	
600-82738-54MSD	Matrix Spike Duplicate	T	Solid	5035	
600-82738-55	SB09-20-21-11132013	T	Solid	5035	
Analysis Batch:600-121357					
LCS 600-121357/9	Lab Control Sample	T	Solid	8260B	
LCSD 600-121357/11	Lab Control Sample Duplicate	T	Solid	8260B	
MB 600-121357/8	Method Blank	T	Solid	8260B	
600-82738-28	SB05-11-12-11122013	T	Solid	8260B	600-120942
600-82738-32	SB06-2-3-11122013	T	Solid	8260B	600-120942
600-82738-33	SB06-5-6-11122013	T	Solid	8260B	600-120942
600-82738-46	SB08-5-6-11132013	T	Solid	8260B	600-120942
Prep Batch: 600-121548					
LCS 600-121548/1-A	Lab Control Sample	T	Solid	5035	
MB 600-121548/2-A	Method Blank	T	Solid	5035	
Analysis Batch:600-121549					
LCS 600-121548/1-A	Lab Control Sample	T	Solid	8260B	600-121548
MB 600-121548/2-A	Method Blank	T	Solid	8260B	600-121548
600-82738-17	SB03-18-19-11112013	T	Solid	8260B	600-121349
600-82738-42	SB07-20-21-11122013	T	Solid	8260B	600-121349
600-82738-48	SB08-16-17-11132013	T	Solid	8260B	600-121349
600-82738-49	SB08-19-20-11132013	T	Solid	8260B	600-121349
600-82738-53	SB09-16-17-11132013	T	Solid	8260B	600-121349
600-82738-54	SB09-18-19-11132013	T	Solid	8260B	600-121349
600-82738-54MS	Matrix Spike	T	Solid	8260B	600-121349
600-82738-54MSD	Matrix Spike Duplicate	T	Solid	8260B	600-121349
600-82738-55	SB09-20-21-11132013	T	Solid	8260B	600-121349
Analysis Batch:600-121704					
LCS 600-121704/3	Lab Control Sample	T	Solid	8260B	
LCSD 600-121704/5	Lab Control Sample Duplicate	T	Solid	8260B	
MB 600-121704/4	Method Blank	T	Solid	8260B	
600-82738-57	SB10-5-6-11132013	T	Solid	8260B	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-121793					
600-82738-42	SB07-20-21-11122013	T	Solid	8260B	600-121349
600-82738-48	SB08-16-17-11132013	T	Solid	8260B	600-121349
600-82738-53	SB09-16-17-11132013	T	Solid	8260B	600-121349

Report Basis
T = Total

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:600-120835					
600-82738-2	SB01-2-3-11112013	T	Solid	Moisture	
600-82738-2MS	Matrix Spike	T	Solid	Moisture	
600-82738-2MSD	Matrix Spike Duplicate	T	Solid	Moisture	
600-82738-3	SB01-5-6-11112013	T	Solid	Moisture	
600-82738-4	SB01-15-16-11112013	T	Solid	Moisture	
600-82738-5	SB01-20-21-11112013	T	Solid	Moisture	
600-82738-6	SB01-24-25-11112013	T	Solid	Moisture	
600-82738-7	SB02-2-3-11112013	T	Solid	Moisture	
600-82738-8	SB02-5-6-11112013	T	Solid	Moisture	
600-82738-9	SB02-12-13-11112013	T	Solid	Moisture	
600-82738-9DU	Duplicate	T	Solid	Moisture	
600-82738-10	SB02-18-19-11112013	T	Solid	Moisture	
600-82738-11	SB02-24-25-11112013	T	Solid	Moisture	
600-82738-12	FD02-24-25-11112013	T	Solid	Moisture	
600-82738-14	SB03-2-3-11112013	T	Solid	Moisture	
600-82738-15	SB03-5-6-11112013	T	Solid	Moisture	
600-82738-16	SB03-15-16-11112013	T	Solid	Moisture	
600-82738-17	SB03-18-19-11112013	T	Solid	Moisture	
600-82738-18	SB03-24-25-11112013	T	Solid	Moisture	
600-82738-20	SB04-2-3-11122013	T	Solid	Moisture	
600-82738-21	SB04-5-6-11122013	T	Solid	Moisture	
600-82738-21DU	Duplicate	T	Solid	Moisture	
600-82738-22	SB04-15-16-11122013	T	Solid	Moisture	
600-82738-23	SB04-20-21-11122013	T	Solid	Moisture	
600-82738-24	FD04-20-21-11122013	T	Solid	Moisture	
600-82738-25	SB04-29-30-11122013	T	Solid	Moisture	
600-82738-26	SB05-2-3-11122013	T	Solid	Moisture	
600-82738-27	SB05-5-6-11122013	T	Solid	Moisture	
600-82738-27MS	Matrix Spike	T	Solid	Moisture	
600-82738-27MSD	Matrix Spike Duplicate	T	Solid	Moisture	
600-82738-28	SB05-11-12-11122013	T	Solid	Moisture	
600-82738-29	SB05-18-19-11122013	T	Solid	Moisture	
600-82738-30	SB05-25-26-11122013	T	Solid	Moisture	
600-82738-32	SB06-2-3-11122013	T	Solid	Moisture	
600-82738-32DU	Duplicate	T	Solid	Moisture	
600-82738-33	SB06-5-6-11122013	T	Solid	Moisture	
600-82738-34	SB06-11-12-11122013	T	Solid	Moisture	
600-82738-35	SB06-16-17-11122013	T	Solid	Moisture	
600-82738-36	SB06-21-22-11122013	T	Solid	Moisture	
600-82738-37	FD06-21-22-11122013	T	Solid	Moisture	
600-82738-39	SB07-2-3-11122013	T	Solid	Moisture	
600-82738-40	SB07-5-6-11122013	T	Solid	Moisture	
600-82738-41	SB07-14-15-11122013	T	Solid	Moisture	
600-82738-42	SB07-20-21-11122013	T	Solid	Moisture	
600-82738-43	SB07-29-30-11122013	T	Solid	Moisture	
600-82738-43DU	Duplicate	T	Solid	Moisture	

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:600-120835					
600-82738-45	SB08-2-3-11132013	T	Solid	Moisture	
600-82738-46	SB08-5-6-11132013	T	Solid	Moisture	
600-82738-47	FD08-5-6-11132013	T	Solid	Moisture	
600-82738-48	SB08-16-17-11132013	T	Solid	Moisture	
600-82738-49	SB08-19-20-11132013	T	Solid	Moisture	
600-82738-50	SB08-24-25-11132013	T	Solid	Moisture	
600-82738-51	SB09-2-3-11132013	T	Solid	Moisture	
600-82738-52	SB09-5-6-11132013	T	Solid	Moisture	
600-82738-53	SB09-16-17-11132013	T	Solid	Moisture	
600-82738-54	SB09-18-19-11132013	T	Solid	Moisture	
600-82738-54MS	Matrix Spike	T	Solid	Moisture	
600-82738-54MSD	Matrix Spike Duplicate	T	Solid	Moisture	
600-82738-55	SB09-20-21-11132013	T	Solid	Moisture	
600-82738-55DU	Duplicate	T	Solid	Moisture	
600-82738-56	SB10-2-3-11132013	T	Solid	Moisture	
600-82738-57	SB10-5-6-11132013	T	Solid	Moisture	
600-82738-58	SB10-15-16-11132013	T	Solid	Moisture	
600-82738-59	SB10-20-21-11132013	T	Solid	Moisture	
600-82738-60	SB10-29-30-11132013	T	Solid	Moisture	
600-82738-61	FD10-29-30-11132013	T	Solid	Moisture	

Report Basis
T = Total

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-2 **Client ID:** SB01-2-3-11112013

Sample Date/Time: 11/11/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-2-A		600-121113	600-120942	11/19/2013 16:00	0.91	TAL HOU	KLV
A:8260B	600-82738-C-2-A		600-121113	600-120942	11/20/2013 13:11	0.91	TAL HOU	KLV
A:Moisture	600-82738-A-2		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-2 **Client ID:** SB01-2-3-11112013MS

Sample Date/Time: 11/11/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-2-B MS		600-121113	600-120942	11/19/2013 16:00	0.94	TAL HOU	KLV
A:8260B	600-82738-C-2-B MS		600-121113	600-120942	11/20/2013 13:40	0.94	TAL HOU	KLV
A:Moisture	600-82738-A-2 MS		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-2 **Client ID:** SB01-2-3-11112013MSD

Sample Date/Time: 11/11/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-2-C MSD		600-121113	600-120942	11/19/2013 16:00	0.85	TAL HOU	KLV
A:8260B	600-82738-C-2-C MSD		600-121113	600-120942	11/20/2013 14:09	0.85	TAL HOU	KLV
A:Moisture	600-82738-A-2 MSD		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-3 **Client ID:** SB01-5-6-11112013

Sample Date/Time: 11/11/2013 12:40 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-3-A		600-121113	600-120942	11/19/2013 16:00	0.84	TAL HOU	KLV
A:8260B	600-82738-C-3-A		600-121113	600-120942	11/20/2013 14:37	0.84	TAL HOU	KLV
A:Moisture	600-82738-A-3		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-4 **Client ID:** SB01-15-16-11112013

Sample Date/Time: 11/11/2013 13:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-4-A		600-121113	600-120942	11/19/2013 16:00	0.75	TAL HOU	KLV
A:8260B	600-82738-C-4-A		600-121113	600-120942	11/20/2013 15:06	0.75	TAL HOU	KLV
A:Moisture	600-82738-A-4		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-5 **Client ID:** SB01-20-21-11112013

Sample Date/Time: 11/11/2013 13:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-5-A		600-121113	600-120942	11/19/2013 16:00	0.83	TAL HOU	KLV
A:8260B	600-82738-C-5-A		600-121113	600-120942	11/20/2013 16:04	0.83	TAL HOU	KLV
A:Moisture	600-82738-A-5		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-6 **Client ID:** SB01-24-25-11112013

Sample Date/Time: 11/11/2013 13:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-6-A		600-121113	600-120942	11/19/2013 16:00	0.7	TAL HOU	KLV
A:8260B	600-82738-C-6-A		600-121113	600-120942	11/20/2013 16:33	0.7	TAL HOU	KLV
A:Moisture	600-82738-A-6		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-7 **Client ID:** SB02-2-3-11112013

Sample Date/Time: 11/11/2013 14:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-7-A		600-121113	600-120942	11/19/2013 16:00	0.99	TAL HOU	KLV
A:8260B	600-82738-C-7-A		600-121113	600-120942	11/20/2013 17:01	0.99	TAL HOU	KLV
A:Moisture	600-82738-A-7		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-8 **Client ID:** SB02-5-6-11112013

Sample Date/Time: 11/11/2013 14:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-8-A		600-121113	600-120942	11/19/2013 16:00	1.24	TAL HOU	KLV
A:8260B	600-82738-C-8-A		600-121113	600-120942	11/20/2013 17:30	1.24	TAL HOU	KLV
A:Moisture	600-82738-A-8		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-9 **Client ID:** SB02-12-13-11112013

Sample Date/Time: 11/11/2013 14:40 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-9-A		600-121113	600-120942	11/19/2013 16:00	0.88	TAL HOU	KLV
A:8260B	600-82738-C-9-A		600-121113	600-120942	11/20/2013 17:59	0.88	TAL HOU	KLV
A:Moisture	600-82738-A-9		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-9 DU **Client ID:** SB02-12-13-11112013

Sample Date/Time: 11/11/2013 14:40 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	600-82738-A-9 DU		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-10 **Client ID:** SB02-18-19-11112013

Sample Date/Time: 11/11/2013 15:15 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-10-A		600-121113	600-120942	11/19/2013 16:00	0.76	TAL HOU	KLV
A:8260B	600-82738-C-10-A		600-121113	600-120942	11/20/2013 21:49	0.76	TAL HOU	KLV
A:Moisture	600-82738-A-10		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-11 **Client ID:** SB02-24-25-11112013

Sample Date/Time: 11/11/2013 15:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-11-A		600-121113	600-120942	11/19/2013 16:00	0.74	TAL HOU	KLV
A:8260B	600-82738-C-11-A		600-121113	600-120942	11/20/2013 18:28	0.74	TAL HOU	KLV
A:Moisture	600-82738-A-11		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-12 **Client ID:** FD02-24-25-11112013

Sample Date/Time: 11/11/2013 15:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-12-A		600-121113	600-120942	11/19/2013 16:00	0.74	TAL HOU	KLV
A:8260B	600-82738-C-12-A		600-121113	600-120942	11/20/2013 18:56	0.74	TAL HOU	KLV
A:Moisture	600-82738-A-12		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-13 **Client ID:** TB01-11112013

Sample Date/Time: 11/11/2013 11:50 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-B-13		600-120809		11/18/2013 16:20	1	TAL HOU	WS1
A:8260B	600-82738-B-13		600-120809		11/18/2013 16:20	1	TAL HOU	WS1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-14 **Client ID:** SB03-2-3-11112013

Sample Date/Time: 11/11/2013 16:10 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-14-A		600-121113	600-120942	11/19/2013 16:00	0.89	TAL HOU	KLV
A:8260B	600-82738-C-14-A		600-121113	600-120942	11/20/2013 19:25	0.89	TAL HOU	KLV
A:Moisture	600-82738-A-14		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-15 **Client ID:** SB03-5-6-11112013

Sample Date/Time: 11/11/2013 16:15 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-15-A		600-121113	600-120942	11/19/2013 16:00	0.97	TAL HOU	KLV
A:8260B	600-82738-C-15-A		600-121113	600-120942	11/20/2013 19:54	0.97	TAL HOU	KLV
A:Moisture	600-82738-A-15		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-16 **Client ID:** SB03-15-16-11112013

Sample Date/Time: 11/11/2013 16:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-16-A		600-121113	600-120942	11/19/2013 16:00	0.83	TAL HOU	KLV
A:8260B	600-82738-C-16-A		600-121113	600-120942	11/20/2013 22:18	0.83	TAL HOU	KLV
A:Moisture	600-82738-A-16		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-17 **Client ID:** SB03-18-19-11112013

Sample Date/Time: 11/11/2013 16:55 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-17-A		600-121549	600-121349	11/19/2013 16:00	1	TAL HOU	KLV
A:8260B	600-82738-B-17-A		600-121549	600-121349	11/26/2013 18:50	1	TAL HOU	DT1
A:Moisture	600-82738-A-17		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-18 **Client ID:** SB03-24-25-11112013

Sample Date/Time: 11/11/2013 17:05 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-18-A		600-121113	600-120942	11/19/2013 16:00	0.7	TAL HOU	KLV
A:8260B	600-82738-C-18-A		600-121113	600-120942	11/20/2013 20:52	0.7	TAL HOU	KLV
A:Moisture	600-82738-A-18		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-19 **Client ID:** TB02-11112013

Sample Date/Time: 11/12/2013 12:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-B-19		600-120809		11/18/2013 14:11	1	TAL HOU	WS1
A:8260B	600-82738-B-19		600-120809		11/18/2013 14:11	1	TAL HOU	WS1

Lab ID: 600-82738-20 **Client ID:** SB04-2-3-11122013

Sample Date/Time: 11/12/2013 08:50 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-20-A		600-121113	600-120942	11/19/2013 16:00	0.84	TAL HOU	KLV
A:8260B	600-82738-C-20-A		600-121113	600-120942	11/20/2013 20:23	0.84	TAL HOU	KLV
A:Moisture	600-82738-A-20		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-21 **Client ID:** SB04-5-6-11122013

Sample Date/Time: 11/12/2013 08:55 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-21-A		600-121113	600-120942	11/19/2013 16:00	0.89	TAL HOU	KLV
A:8260B	600-82738-C-21-A		600-121113	600-120942	11/20/2013 21:20	0.89	TAL HOU	KLV
A:Moisture	600-82738-A-21		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-21 DU **Client ID:** SB04-5-6-11122013

Sample Date/Time: 11/12/2013 08:55 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	600-82738-A-21 DU		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-22 **Client ID:** SB04-15-16-11122013

Sample Date/Time: 11/12/2013 09:10 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-22-A		600-121230	600-120942	11/19/2013 16:00	0.79	TAL HOU	KLV
A:8260B	600-82738-C-22-A		600-121230	600-120942	11/21/2013 17:34	0.79	TAL HOU	KLV
A:Moisture	600-82738-A-22		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-23 **Client ID:** SB04-20-21-11122013

Sample Date/Time: 11/12/2013 09:15 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-23-A		600-121230	600-120942	11/19/2013 16:00	0.77	TAL HOU	KLV
A:8260B	600-82738-C-23-A		600-121230	600-120942	11/21/2013 18:03	0.77	TAL HOU	KLV
A:Moisture	600-82738-A-23		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-24 **Client ID:** FD04-20-21-11122013

Sample Date/Time: 11/12/2013 10:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-24-A		600-121230	600-120942	11/19/2013 16:00	0.76	TAL HOU	KLV
A:8260B	600-82738-C-24-A		600-121230	600-120942	11/21/2013 18:33	0.76	TAL HOU	KLV
A:Moisture	600-82738-A-24		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-25 **Client ID:** SB04-29-30-11122013

Sample Date/Time: 11/12/2013 10:05 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-25-A		600-121230	600-120942	11/19/2013 16:00	0.7	TAL HOU	KLV
A:8260B	600-82738-C-25-A		600-121230	600-120942	11/21/2013 19:02	0.7	TAL HOU	KLV
A:Moisture	600-82738-A-25		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-26 **Client ID:** SB05-2-3-11122013

Sample Date/Time: 11/12/2013 10:55 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-26-A		600-121230	600-120942	11/19/2013 16:00	0.88	TAL HOU	KLV
A:8260B	600-82738-C-26-A		600-121230	600-120942	11/21/2013 19:31	0.88	TAL HOU	KLV
A:Moisture	600-82738-A-26		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-27 **Client ID:** SB05-5-6-11122013

Sample Date/Time: 11/12/2013 11:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-27-C		600-121251	600-120942	11/22/2013 12:16	0.88	TAL HOU	KLV
A:8260B	600-82738-D-27-C		600-121251	600-120942	11/22/2013 17:25	0.88	TAL HOU	WS1
A:Moisture	600-82738-A-27		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-27 **Client ID:** SB05-5-6-11122013MS

Sample Date/Time: 11/12/2013 11:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-27-A MS		600-121251	600-120942	11/22/2013 12:16	0.88	TAL HOU	KLV
A:8260B	600-82738-D-27-A MS		600-121251	600-120942	11/22/2013 12:56	0.88	TAL HOU	WS1
A:Moisture	600-82738-A-27 MS		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-27MSD **Client ID:** SB05-5-6-11122013MSD

Sample Date/Time: 11/12/2013 11:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-27-B MSD		600-121251	600-120942	11/22/2013 12:16	0.93	TAL HOU	KLV
A:8260B	600-82738-D-27-B MSD		600-121251	600-120942	11/22/2013 13:20	0.93	TAL HOU	WS1
A:Moisture	600-82738-A-27 MSD		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-28 **Client ID:** SB05-11-12-11122013

Sample Date/Time: 11/12/2013 11:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-28-A		600-121357	600-120942	11/22/2013 12:16	0.79	TAL HOU	KLV
A:8260B	600-82738-D-28-A		600-121357	600-120942	11/24/2013 19:03	0.79	TAL HOU	WS1
A:Moisture	600-82738-A-28		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-29 **Client ID:** SB05-18-19-11122013

Sample Date/Time: 11/12/2013 11:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-29-A		600-121251	600-120942	11/19/2013 16:00	0.8	TAL HOU	KLV
A:8260B	600-82738-C-29-A		600-121251	600-120942	11/22/2013 14:08	0.8	TAL HOU	WS1
A:Moisture	600-82738-A-29		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-30 **Client ID:** SB05-25-26-11122013

Sample Date/Time: 11/12/2013 11:40 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-30-A		600-121251	600-120942	11/19/2013 16:00	0.8	TAL HOU	KLV
A:8260B	600-82738-C-30-A		600-121251	600-120942	11/22/2013 16:36	0.8	TAL HOU	WS1
A:Moisture	600-82738-A-30		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-32 **Client ID:** SB06-2-3-11122013

Sample Date/Time: 11/12/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-32-A		600-121357	600-120942	11/22/2013 12:16	0.9	TAL HOU	KLV
A:8260B	600-82738-D-32-A		600-121357	600-120942	11/24/2013 19:27	0.9	TAL HOU	WS1
A:Moisture	600-82738-A-32		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-32 DU **Client ID:** SB06-2-3-11122013

Sample Date/Time: 11/12/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	600-82738-A-32 DU		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-33 **Client ID:** SB06-5-6-11122013

Sample Date/Time: 11/12/2013 12:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-33-A		600-121357	600-120942	11/22/2013 12:16	0.81	TAL HOU	KLV
A:8260B	600-82738-D-33-A		600-121357	600-120942	11/24/2013 19:51	0.81	TAL HOU	WS1
A:Moisture	600-82738-A-33		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-34 **Client ID:** SB06-11-12-11122013

Sample Date/Time: 11/12/2013 13:05 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-34-A		600-121251	600-120942	11/19/2013 16:00	0.84	TAL HOU	KLV
A:8260B	600-82738-C-34-A		600-121251	600-120942	11/22/2013 19:04	0.84	TAL HOU	WS1
A:Moisture	600-82738-A-34		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-35 **Client ID:** SB06-16-17-11122013

Sample Date/Time: 11/12/2013 13:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-35-A		600-121251	600-120942	11/19/2013 16:00	0.78	TAL HOU	KLV
A:8260B	600-82738-C-35-A		600-121251	600-120942	11/22/2013 19:28	0.78	TAL HOU	WS1
A:Moisture	600-82738-A-35		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-36 **Client ID:** SB06-21-22-11122013

Sample Date/Time: 11/12/2013 13:33 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-36-A		600-121151	600-120942	11/19/2013 16:00	0.71	TAL HOU	KLV
A:8260B	600-82738-C-36-A		600-121151	600-120942	11/21/2013 16:51	0.71	TAL HOU	WS1
A:Moisture	600-82738-A-36		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-37 **Client ID:** FD06-21-22-11122013

Sample Date/Time: 11/12/2013 13:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-37-A		600-121151	600-120942	11/19/2013 16:00	0.75	TAL HOU	KLV
A:8260B	600-82738-C-37-A		600-121151	600-120942	11/21/2013 17:15	0.75	TAL HOU	WS1
A:Moisture	600-82738-A-37		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-38 **Client ID:** TB03-11122013

Sample Date/Time: 11/12/2013 07:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-B-38		600-120809		11/18/2013 14:37	1	TAL HOU	WS1
A:8260B	600-82738-B-38		600-120809		11/18/2013 14:37	1	TAL HOU	WS1

Lab ID: 600-82738-39 **Client ID:** SB07-2-3-11122013

Sample Date/Time: 11/12/2013 15:45 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-39-A		600-121151	600-120942	11/19/2013 16:00	0.82	TAL HOU	KLV
A:8260B	600-82738-C-39-A		600-121151	600-120942	11/21/2013 17:38	0.82	TAL HOU	WS1
A:Moisture	600-82738-A-39		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-40 **Client ID:** SB07-5-6-11122013

Sample Date/Time: 11/12/2013 16:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-40-A		600-121151	600-120942	11/19/2013 16:00	0.71	TAL HOU	KLV
A:8260B	600-82738-C-40-A		600-121151	600-120942	11/21/2013 18:02	0.71	TAL HOU	WS1
A:Moisture	600-82738-A-40		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-41 **Client ID:** SB07-14-15-11122013

Sample Date/Time: 11/12/2013 16:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-41-A		600-121151	600-120942	11/19/2013 16:00	0.71	TAL HOU	KLV
A:8260B	600-82738-C-41-A		600-121151	600-120942	11/21/2013 18:26	0.71	TAL HOU	WS1
A:Moisture	600-82738-A-41		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-42 **Client ID:** SB07-20-21-11122013

Sample Date/Time: 11/12/2013 16:45 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-42-A		600-121549	600-121349	11/19/2013 16:00	1	TAL HOU	KLV
A:8260B	600-82738-B-42-A		600-121549	600-121349	11/26/2013 19:14	1	TAL HOU	DT1
P:5035	600-82738-B-42-A		600-121793	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-42-A		600-121793	600-121349	11/28/2013 18:25	20	TAL HOU	DT1
A:Moisture	600-82738-A-42		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-43 **Client ID:** SB07-29-30-11122013

Sample Date/Time: 11/12/2013 17:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-43-A		600-121151	600-120942	11/19/2013 16:00	0.81	TAL HOU	KLV
A:8260B	600-82738-C-43-A		600-121151	600-120942	11/21/2013 19:14	0.81	TAL HOU	WS1
A:Moisture	600-82738-A-43		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-43 DU **Client ID:** SB07-29-30-11122013

Sample Date/Time: 11/12/2013 17:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	600-82738-A-43 DU		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-44 **Client ID:** TB04-11122013

Sample Date/Time: 11/12/2013 07:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-A-44		600-120809		11/18/2013 15:54	1	TAL HOU	WS1
A:8260B	600-82738-A-44		600-120809		11/18/2013 15:54	1	TAL HOU	WS1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-45 **Client ID:** SB08-2-3-11132013

Sample Date/Time: 11/13/2013 08:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-45-A		600-121251	600-120942	11/19/2013 16:00	1.05	TAL HOU	KLV
A:8260B	600-82738-C-45-A		600-121251	600-120942	11/22/2013 19:53	1.05	TAL HOU	WS1
A:Moisture	600-82738-A-45		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-46 **Client ID:** SB08-5-6-11132013

Sample Date/Time: 11/13/2013 08:05 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-D-46-A		600-121357	600-120942	11/22/2013 12:16	0.98	TAL HOU	KLV
A:8260B	600-82738-D-46-A		600-121357	600-120942	11/24/2013 20:16	0.98	TAL HOU	WS1
A:Moisture	600-82738-A-46		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-47 **Client ID:** FD08-5-6-11132013

Sample Date/Time: 11/13/2013 08:10 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-47-A		600-121151	600-120942	11/19/2013 16:00	0.94	TAL HOU	KLV
A:8260B	600-82738-C-47-A		600-121151	600-120942	11/21/2013 14:52	0.94	TAL HOU	WS1
A:Moisture	600-82738-A-47		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-48 **Client ID:** SB08-16-17-11132013

Sample Date/Time: 11/13/2013 08:40 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-48-A		600-121549	600-121349	11/19/2013 16:00	10	TAL HOU	KLV
A:8260B	600-82738-B-48-A		600-121549	600-121349	11/26/2013 18:03	10	TAL HOU	DT1
P:5035	600-82738-B-48-A		600-121793	600-121349	11/19/2013 16:00	40	TAL HOU	KLV
A:8260B	600-82738-B-48-A		600-121793	600-121349	11/28/2013 17:37	40	TAL HOU	DT1
A:Moisture	600-82738-A-48		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-49 **Client ID:** SB08-19-20-11132013

Sample Date/Time: 11/13/2013 08:45 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-49-A		600-121549	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-49-A		600-121549	600-121349	11/26/2013 17:15	20	TAL HOU	DT1
A:Moisture	600-82738-A-49		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-50 **Client ID:** SB08-24-25-11132013

Sample Date/Time: 11/13/2013 08:50 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-50-A		600-121151	600-120942	11/19/2013 16:00	0.73	TAL HOU	KLV
A:8260B	600-82738-C-50-A		600-121151	600-120942	11/21/2013 15:16	0.73	TAL HOU	WS1
A:Moisture	600-82738-A-50		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-51 **Client ID:** SB09-2-3-11132013

Sample Date/Time: 11/13/2013 09:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-51-A		600-121151	600-120942	11/19/2013 16:00	0.82	TAL HOU	KLV
A:8260B	600-82738-C-51-A		600-121151	600-120942	11/21/2013 16:03	0.82	TAL HOU	WS1
A:Moisture	600-82738-A-51		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-52 **Client ID:** SB09-5-6-11132013

Sample Date/Time: 11/13/2013 09:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-52-A		600-121151	600-120942	11/19/2013 16:00	0.85	TAL HOU	KLV
A:8260B	600-82738-C-52-A		600-121151	600-120942	11/21/2013 16:27	0.85	TAL HOU	WS1
A:Moisture	600-82738-A-52		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-53 **Client ID:** SB09-16-17-11132013

Sample Date/Time: 11/13/2013 10:15 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-53-A		600-121549	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-53-A		600-121549	600-121349	11/26/2013 17:39	20	TAL HOU	DT1
P:5035	600-82738-B-53-A		600-121793	600-121349	11/19/2013 16:00	40	TAL HOU	KLV
A:8260B	600-82738-B-53-A		600-121793	600-121349	11/28/2013 18:01	40	TAL HOU	DT1
A:Moisture	600-82738-A-53		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-54 **Client ID:** SB09-18-19-11132013

Sample Date/Time: 11/13/2013 10:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-54-A		600-121549	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-54-A		600-121549	600-121349	11/26/2013 12:49	20	TAL HOU	DT1
A:Moisture	600-82738-A-54		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-54 **Client ID:** SB09-18-19-11132013MS

Sample Date/Time: 11/13/2013 10:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-54-B MS		600-121549	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-54-B MS		600-121549	600-121349	11/26/2013 13:12	20	TAL HOU	DT1
A:Moisture	600-82738-A-54 MS		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-54 **Client ID:** SB09-18-19-11132013MSD

Sample Date/Time: 11/13/2013 10:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-54-C MSD		600-121549	600-121349	11/19/2013 16:00	20	TAL HOU	KLV
A:8260B	600-82738-B-54-C MSD		600-121549	600-121349	11/26/2013 13:36	20	TAL HOU	DT1
A:Moisture	600-82738-A-54 MSD		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-55 **Client ID:** SB09-20-21-11132013

Sample Date/Time: 11/13/2013 10:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-B-55-A		600-121549	600-121349	11/19/2013 16:00	10	TAL HOU	KLV
A:8260B	600-82738-B-55-A		600-121549	600-121349	11/26/2013 18:26	10	TAL HOU	DT1
A:Moisture	600-82738-A-55		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-55 DU **Client ID:** SB09-20-21-11132013

Sample Date/Time: 11/13/2013 10:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	600-82738-A-55 DU		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-56 **Client ID:** SB10-2-3-11132013

Sample Date/Time: 11/13/2013 11:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-56-A		600-121151	600-120942	11/19/2013 16:00	1.02	TAL HOU	KLV
A:8260B	600-82738-C-56-A		600-121151	600-120942	11/21/2013 15:39	1.02	TAL HOU	WS1
A:Moisture	600-82738-A-56		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-57 **Client ID:** SB10-5-6-11132013

Sample Date/Time: 11/13/2013 11:35 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-A-57		600-121704		11/26/2013 19:44	1	TAL HOU	WS1
A:8260B	600-82738-A-57		600-121704		11/26/2013 19:44	1	TAL HOU	WS1
A:Moisture	600-82738-A-57		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-58 **Client ID:** SB10-15-16-11132013

Sample Date/Time: 11/13/2013 12:15 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-58-A		600-121151	600-120942	11/19/2013 16:00	1.18	TAL HOU	KLV
A:8260B	600-82738-C-58-A		600-121151	600-120942	11/21/2013 14:28	1.18	TAL HOU	WS1
A:Moisture	600-82738-A-58		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-59 **Client ID:** SB10-20-21-11132013

Sample Date/Time: 11/13/2013 12:20 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-59-A		600-121151	600-120942	11/19/2013 16:00	0.83	TAL HOU	KLV
A:8260B	600-82738-C-59-A		600-121151	600-120942	11/21/2013 14:03	0.83	TAL HOU	WS1
A:Moisture	600-82738-A-59		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-60 **Client ID:** SB10-29-30-11132013

Sample Date/Time: 11/13/2013 12:25 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-60-A		600-121151	600-120942	11/19/2013 16:00	0.74	TAL HOU	KLV
A:8260B	600-82738-C-60-A		600-121151	600-120942	11/21/2013 12:29	0.74	TAL HOU	WS1
A:Moisture	600-82738-A-60		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Lab ID: 600-82738-61 **Client ID:** FD10-29-30-11132013

Sample Date/Time: 11/13/2013 12:30 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	600-82738-C-61-A		600-121151	600-120942	11/19/2013 16:00	0.77	TAL HOU	KLV
A:8260B	600-82738-C-61-A		600-121151	600-120942	11/21/2013 12:04	0.77	TAL HOU	WS1
A:Moisture	600-82738-A-61		600-120835		11/19/2013 08:47	1	TAL HOU	AYS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: 600-82738-63 **Client ID:** TB05-11132013

Sample Date/Time: 11/13/2013 08:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-B-63		600-120809		11/18/2013 15:03	1	TAL HOU	WS1
A:8260B	600-82738-B-63		600-120809		11/18/2013 15:03	1	TAL HOU	WS1

Lab ID: 600-82738-64 **Client ID:** TB06-11132013

Sample Date/Time: 11/13/2013 09:00 Received Date/Time: 11/15/2013 09:21

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82738-B-64		600-120809		11/18/2013 15:29	1	TAL HOU	WS1
A:8260B	600-82738-B-64		600-120809		11/18/2013 15:29	1	TAL HOU	WS1

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-120809/4		600-120809		11/18/2013 10:09	1	TAL HOU	WS1
A:8260B	MB 600-120809/4		600-120809		11/18/2013 10:09	1	TAL HOU	WS1
A:8260B	MB 600-121113/4		600-121113		11/20/2013 12:42	1	TAL HOU	KLV
A:8260B	MB 600-121151/4		600-121151		11/21/2013 11:28	1	TAL HOU	WS1
A:8260B	MB 600-121230/5		600-121230		11/21/2013 15:38	1	TAL HOU	KLV
A:8260B	MB 600-121251/4		600-121251		11/22/2013 12:08	1	TAL HOU	WS1
A:8260B	MB 600-121357/8		600-121357		11/24/2013 15:59	1	TAL HOU	WS1
P:5035	MB 600-121548/2-A		600-121549	600-121548	11/26/2013 10:49	1	TAL HOU	DT1
A:8260B	MB 600-121548/2-A		600-121549	600-121548	11/26/2013 12:25	1	TAL HOU	DT1
P:5030B	MB 600-121704/4		600-121704		11/26/2013 15:54	1	TAL HOU	WS1
A:8260B	MB 600-121704/4		600-121704		11/26/2013 15:54	1	TAL HOU	WS1

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-120809/3		600-120809		11/18/2013 09:17	1	TAL HOU	WS1
A:8260B	LCS 600-120809/3		600-120809		11/18/2013 09:17	1	TAL HOU	WS1
A:8260B	LCS 600-121113/3		600-121113		11/20/2013 11:45	1	TAL HOU	KLV
A:8260B	LCS 600-121151/3		600-121151		11/21/2013 10:39	1	TAL HOU	WS1
A:8260B	LCS 600-121230/3		600-121230		11/21/2013 14:10	1	TAL HOU	KLV
A:8260B	LCS 600-121251/3		600-121251		11/22/2013 10:51	1	TAL HOU	WS1
A:8260B	LCS 600-121357/9		600-121357		11/24/2013 16:38	1	TAL HOU	WS1
P:5035	LCS 600-121548/1-A		600-121549	600-121548	11/26/2013 10:49	1	TAL HOU	DT1
A:8260B	LCS 600-121548/1-A		600-121549	600-121548	11/26/2013 11:38	1	TAL HOU	DT1
P:5030B	LCS 600-121704/3		600-121704		11/26/2013 14:56	1	TAL HOU	WS1
A:8260B	LCS 600-121704/3		600-121704		11/26/2013 14:56	1	TAL HOU	WS1

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Laboratory Chronicle

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCSD 600-121113/10		600-121113		11/20/2013 15:35	1	TAL HOU	KLV
A:8260B	LCSD 600-121230/4		600-121230		11/21/2013 14:39	1	TAL HOU	KLV
A:8260B	LCSD 600-121251/6		600-121251		11/22/2013 14:32	1	TAL HOU	WS1
A:8260B	LCSD 600-121357/11		600-121357		11/24/2013 18:15	1	TAL HOU	WS1
P:5030B	LCSD 600-121704/5		600-121704		11/26/2013 16:22	1	TAL HOU	WS1
A:8260B	LCSD 600-121704/5		600-121704		11/26/2013 16:22	1	TAL HOU	WS1

Lab ID: MS **Client ID:** N/A

Sample Date/Time: 11/14/2013 15:25 Received Date/Time: 11/15/2013 15:47

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82739-E-1 MS		600-120809		11/18/2013 12:29	50	TAL HOU	WS1
A:8260B	600-82739-E-1 MS		600-120809		11/18/2013 12:29	50	TAL HOU	WS1

Lab ID: MSD **Client ID:** N/A

Sample Date/Time: 11/14/2013 15:25 Received Date/Time: 11/15/2013 15:47

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-82739-E-1 MSD		600-120809		11/18/2013 12:54	50	TAL HOU	WS1
A:8260B	600-82739-E-1 MSD		600-120809		11/18/2013 12:54	50	TAL HOU	WS1

Lab References:

TAL HOU = TestAmerica Houston

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Dowell - Artesia Soils, 11/11 - 11/13/13

TestAmerica Job ID: 600-82738-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAP	6	30643
TestAmerica Houston	Oklahoma	State Program	6	1309
TestAmerica Houston	Texas	NELAP	6	T104704223
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAP	8	TX00083

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624_60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM	#	DCA	#	TOL	#	BFB	#
SB01-2-3-11112013	600-82738-2	84		101		77		76	
SB01-5-6-11112013	600-82738-3	92		102		83		77	
SB01-15-16-11112013	600-82738-4	85		101		80		78	
SB01-20-21-11112013	600-82738-5	84		98		77		79	
SB01-24-25-11112013	600-82738-6	83		99		82		80	
SB02-2-3-11112013	600-82738-7	87		99		79		85	
SB02-5-6-11112013	600-82738-8	95		100		86		85	
SB02-12-13-11112013	600-82738-9	88		98		76		82	
SB02-18-19-11112013	600-82738-10	86		103		79		75	
SB02-24-25-11112013	600-82738-11	90		92		80		81	
FD02-24-25-11112013	600-82738-12	86		97		79		82	
SB03-2-3-11112013	600-82738-14	93		106		83		84	
SB03-5-6-11112013	600-82738-15	91		103		80		80	
SB03-15-16-11112013	600-82738-16	93		113		83		83	
SB03-24-25-11112013	600-82738-18	89		102		81		79	
SB04-2-3-11122013	600-82738-20	83		99		80		82	
SB04-5-6-11122013	600-82738-21	89		102		84		81	
SB04-15-16-11122013	600-82738-22	82		92		78		81	
SB04-20-21-11122013	600-82738-23	84		88		80		78	
FD04-20-21-11122013	600-82738-24	83		88		76		79	
SB04-29-30-11122013	600-82738-25	81		93		80		81	
SB05-2-3-11122013	600-82738-26	87		94		81		80	
SB05-5-6-11122013	600-82738-27	106		114		101		87	
SB05-11-12-11122013	600-82738-28	122		127		108		101	
SB05-18-19-11122013	600-82738-29	103		106		99		87	
SB05-25-26-11122013	600-82738-30	105		116		95		102	
SB06-2-3-11122013	600-82738-32	127		129		110		102	
SB06-5-6-11122013	600-82738-33	126		127		106		96	

	QC LIMITS
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB06-11-12-1112201 3	600-82738-34	110	124	84	87
SB06-16-17-1112201 3	600-82738-35	104	122	88	99
SB06-21-22-1112201 3	600-82738-36	106	121	83	84
FD06-21-22-1112201 3	600-82738-37	99	114	83	85
SB07-2-3-11122013	600-82738-39	103	117	84	85
SB07-5-6-11122013	600-82738-40	104	117	86	88
SB07-14-15-1112201 3	600-82738-41	104	116	87	89
SB07-29-30-1112201 3	600-82738-43	101	111	82	83
SB08-2-3-11132013	600-82738-45	102	119	97	81
SB08-5-6-11132013	600-82738-46	121	125	110	97
FD08-5-6-11132013	600-82738-47	96	108	81	80
SB08-24-25-1113201 3	600-82738-50	101	116	80	81
SB09-2-3-11132013	600-82738-51	101	113	82	78
SB09-5-6-11132013	600-82738-52	100	115	80	84
SB10-2-3-11132013	600-82738-56	96	112	83	80
SB10-5-6-11132013	600-82738-57	97	115	93	107
SB10-15-16-1113201 3	600-82738-58	96	103	84	83
SB10-20-21-1113201 3	600-82738-59	95	109	79	80
SB10-29-30-1113201 3	600-82738-60	91	97	81	82
FD10-29-30-1113201 3	600-82738-61	95	105	77	75
	MB 600-121113/4	78	79	84	88
	MB 600-121151/4	96	97	77	79
	MB 600-121230/5	77	84	81	86
	MB 600-121251/4	102	100	100	82
	MB 600-121357/8	100	84	100	96
	MB 600-121704/4	86	83	94	90
	LCS 600-121113/3	78	75	77	78
	LCS 600-121151/3	95	98	77	74
	LCS 600-121230/3	79	83	79	80
	LCS 600-121251/3	71	84	65	79

	QC LIMITS
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	LCS 600-121357/9	100	88	104	94
	LCS 600-121704/3	95	109	88	89
	LCSD 600-121113/10	83	90	79	83
	LCSD 600-121230/4	78	91	75	79
	LCSD 600-121251/6	104	105	89	83
	LCSD 600-121357/11	107	100	118	106
	LCSD 600-121704/5	92	93	93	96
SB01-2-3-11112013M S MS	600-82738-2 MS	92	103	79	82
SB05-5-6-11122013M S MS	600-82738-27 MS	100	108	131 * X	106 *
SB01-2-3-11112013M SD MSD	600-82738-2 MSD	89	105	84	81
SB05-5-6-11122013M SD MSD	600-82738-27MSD	101	108	96	106

	QC LIMITS
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): DB-VRX ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB03-18-19-1111201 3	600-82738-17	93	92	94	92
SB07-20-21-1112201 3	600-82738-42	93	92	91	90
SB07-20-21-1112201 3	600-82738-42	91	89	89	83
SB08-16-17-1113201 3	600-82738-48	94	94	95	89
SB08-16-17-1113201 3	600-82738-48	95	92	93	88
SB08-19-20-1113201 3	600-82738-49	94	93	95	89
SB09-16-17-1113201 3	600-82738-53	93	93	94	88
SB09-16-17-1113201 3	600-82738-53	93	93	93	86
SB09-18-19-1113201 3	600-82738-54	93	93	94	89
SB09-20-21-1113201 3	600-82738-55	95	93	95	88
	MB 600-121548/2-A	93	91	94	90
	LCS 600-121548/1-A	90	85	89	86
SB09-18-19-1113201 3MS MS	600-82738-54 MS	95	89	93	89
SB09-18-19-1113201 3MSD MSD	600-82738-54 MSD	95	90	92	90

	QC LIMITS
DBFM = Dibromofluoromethane	68-140
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	50-130
BFB = 4-Bromofluorobenzene	57-140

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32402.D

Lab ID: LCS 600-121113/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	48.34	97	28-164	
Chloroethane	50.0	52.25	104	30-136	
2-Butanone (MEK)	100	87.28	87	42-186	
Bromochloromethane	50.0	50.28	101	60-140	
Chloromethane	50.0	51.67	103	21-153	
Carbon tetrachloride	50.0	52.53	105	63-132	
Benzene	50.0	52.56	105	66-128	
1,1-Dichloroethene	50.0	55.27	111	40-157	
1,2-Dichloroethane	50.0	52.31	105	61-135	
cis-1,2-Dichloroethene	50.0	51.32	103	62-130	
trans-1,2-Dichloroethene	50.0	51.53	103	65-130	
1,1-Dichloroethane	50.0	53.47	107	64-130	
1,2-Dichloropropane	50.0	51.71	103	71-122	
Chloroform	50.0	52.44	105	67-126	
Methylene Chloride	50.0	60.38	121	48-144	
cis-1,3-Dichloropropene	50.0	47.47	95	66-129	
Toluene	50.0	50.13	100	69-125	
trans-1,3-Dichloropropene	50.0	47.66	95	66-134	
1,1,1-Trichloroethane	50.0	51.56	103	70-127	
1,1,2-Trichloroethane	50.0	49.17	98	67-124	
Tetrachloroethene	50.0	54.32	109	69-125	
Trichloroethene	50.0	52.08	104	70-136	
Chlorodibromomethane	50.0	50.39	101	63-125	
Vinyl chloride	50.0	51.35	103	28-159	
Chlorobenzene	50.0	49.18	98	67-126	
Ethylbenzene	50.0	50.05	100	64-127	
m-Xylene & p-Xylene	100	98.39	98	65-128	
Xylenes, Total	150	145.6	97	65-129	
o-Xylene	50.0	47.16	94	64-132	
Styrene	50.0	50.85	102	63-128	
Bromoform	50.0	51.26	103	50-130	
Bromodichloromethane	50.0	52.43	105	68-121	
1,1,2,2-Tetrachloroethane	50.0	47.85	96	59-134	
Dichlorodifluoromethane	50.0	44.31	89	12-136	
1,2,4-Trimethylbenzene	50.0	48.03	96	62-129	
2-Chlorotoluene	50.0	46.42	93	60-140	
Dibromomethane	50.0	51.23	102	63-128	
1,1-Dichloropropene	50.0	51.09	102	70-125	
1,3-Dichlorobenzene	50.0	48.04	96	70-130	
n-Butylbenzene	50.0	52.23	104	60-140	
Methyl tert-butyl ether	50.0	47.59	95	49-152	
4-Chlorotoluene	50.0	48.85	98	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32402.D

Lab ID: LCS 600-121113/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	46.33	93	49-143	
1,2,4-Trichlorobenzene	50.0	52.30	105	63-138	
Bromobenzene	50.0	52.31	105	71-124	
Hexachlorobutadiene	50.0	51.00	102	55-138	
1,2-Dichlorobenzene	50.0	48.12	96	71-129	
Naphthalene	50.0	50.69	101	55-149	
1,1,1,2-Tetrachloroethane	50.0	49.51	99	69-125	
sec-Butylbenzene	50.0	46.92	94	65-131	
2-Chloroethyl vinyl ether	50.0	237.6	475	68-131	*
Isopropylbenzene	50.0	48.14	96	66-141	
2,2-Dichloropropane	50.0	51.47	103	60-132	
N-Propylbenzene	50.0	49.91	100	64-133	
Trichlorofluoromethane	50.0	52.30	105	60-140	
4-Isopropyltoluene	50.0	53.44	107	60-140	
1,2,3-Trichlorobenzene	50.0	49.27	99	63-141	
1,2,3-Trichloropropane	50.0	58.63	117	52-155	
1,3,5-Trimethylbenzene	50.0	49.30	99	65-129	
1,2-Dibromoethane	50.0	50.98	102	60-140	
tert-Butylbenzene	50.0	48.29	97	60-140	
1,4-Dichlorobenzene	50.0	48.15	96	72-127	
1,3-Dichloropropane	50.0	50.00	100	67-128	
Carbon disulfide	50.0	49.14	98	53-176	
Acetone	100	50.79	51	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32502.D

Lab ID: LCS 600-121151/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	41.02	82	28-164	
Chloroethane	50.0	39.58	79	30-136	
2-Butanone (MEK)	100	159.4	159	42-186	
Bromochloromethane	50.0	44.57	89	60-140	
Chloromethane	50.0	43.40	87	21-153	
Carbon tetrachloride	50.0	39.86	80	63-132	
Benzene	50.0	41.90	84	66-128	
1,1-Dichloroethene	50.0	41.08	82	40-157	
1,2-Dichloroethane	50.0	52.70	105	61-135	
cis-1,2-Dichloroethene	50.0	40.70	81	62-130	
trans-1,2-Dichloroethene	50.0	39.36	79	65-130	
1,1-Dichloroethane	50.0	42.31	85	64-130	
1,2-Dichloropropane	50.0	41.87	84	71-122	
Chloroform	50.0	41.52	83	67-126	
Methylene Chloride	50.0	40.67	81	48-144	
cis-1,3-Dichloropropene	50.0	42.23	84	66-129	
Toluene	50.0	37.95	76	69-125	
trans-1,3-Dichloropropene	50.0	45.03	90	66-134	
1,1,1-Trichloroethane	50.0	43.24	86	70-127	
1,1,2-Trichloroethane	50.0	45.35	91	67-124	
Tetrachloroethene	50.0	37.20	74	69-125	
Trichloroethene	50.0	40.10	80	70-136	
Chlorodibromomethane	50.0	45.37	91	63-125	
Vinyl chloride	50.0	41.86	84	28-159	
Chlorobenzene	50.0	38.91	78	67-126	
Ethylbenzene	50.0	38.54	77	64-127	
m-Xylene & p-Xylene	50.0	38.72	77	65-128	
Xylenes, Total	100	76.84	77	65-129	
o-Xylene	50.0	38.12	76	64-132	
Styrene	50.0	39.75	80	63-128	
Bromoform	50.0	49.67	99	50-130	
Bromodichloromethane	50.0	49.00	98	68-121	
1,1,2,2-Tetrachloroethane	50.0	57.14	114	59-134	
Dichlorodifluoromethane	50.0	37.75	75	12-136	
1,2,4-Trimethylbenzene	50.0	37.75	75	62-129	
2-Chlorotoluene	50.0	36.65	73	60-140	
Dibromomethane	50.0	50.08	100	63-128	
1,1-Dichloropropene	50.0	43.37	87	70-125	
1,3-Dichlorobenzene	50.0	37.12	74	70-130	
n-Butylbenzene	50.0	39.03	78	60-140	
Methyl tert-butyl ether	50.0	46.11	92	49-152	
4-Chlorotoluene	50.0	37.93	76	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32502.D

Lab ID: LCS 600-121151/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	64.31	129	49-143	
1,2,4-Trichlorobenzene	50.0	40.04	80	63-138	
Bromobenzene	50.0	36.94	74	71-124	
Hexachlorobutadiene	50.0	41.58	83	55-138	
1,2-Dichlorobenzene	50.0	37.65	75	71-129	
Naphthalene	50.0	62.53	125	55-149	
1,1,1,2-Tetrachloroethane	50.0	39.10	78	69-125	
sec-Butylbenzene	50.0	37.69	75	65-131	
2-Chloroethyl vinyl ether	100	111.8	112	68-131	
Isopropylbenzene	50.0	37.78	76	66-141	
2,2-Dichloropropane	50.0	45.95	92	60-132	
N-Propylbenzene	50.0	37.72	75	64-133	
Trichlorofluoromethane	50.0	41.16	82	60-140	
4-Isopropyltoluene	50.0	37.64	75	60-140	
1,2,3-Trichlorobenzene	50.0	40.66	81	63-141	
1,2,3-Trichloropropane	50.0	54.65	109	52-155	
1,3,5-Trimethylbenzene	50.0	38.12	76	65-129	
1,2-Dibromoethane	50.0	47.69	95	60-140	
tert-Butylbenzene	50.0	37.34	75	60-140	
1,4-Dichlorobenzene	50.0	37.63	75	72-127	
1,3-Dichloropropane	50.0	45.89	92	67-128	
Carbon disulfide	50.0	40.31	81	53-176	
Acetone	100	131.3	131	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32502.D

Lab ID: LCS 600-121230/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	47.88	96	28-164	
Chloroethane	50.0	50.55	101	30-136	
2-Butanone (MEK)	100	89.64	90	42-186	
Bromochloromethane	50.0	47.93	96	60-140	
Chloromethane	50.0	54.07	108	21-153	
Carbon tetrachloride	50.0	53.29	107	63-132	
Benzene	50.0	53.35	107	66-128	
1,1-Dichloroethene	50.0	55.94	112	40-157	
1,2-Dichloroethane	50.0	53.15	106	61-135	
cis-1,2-Dichloroethene	50.0	48.56	97	62-130	
trans-1,2-Dichloroethene	50.0	49.10	98	65-130	
1,1-Dichloroethane	50.0	52.41	105	64-130	
1,2-Dichloropropane	50.0	51.12	102	71-122	
Chloroform	50.0	51.58	103	67-126	
Methylene Chloride	50.0	58.23	116	48-144	
cis-1,3-Dichloropropene	50.0	47.28	95	66-129	
Toluene	50.0	51.07	102	69-125	
trans-1,3-Dichloropropene	50.0	47.46	95	66-134	
1,1,1-Trichloroethane	50.0	52.65	105	70-127	
1,1,2-Trichloroethane	50.0	47.83	96	67-124	
Tetrachloroethene	50.0	56.56	113	69-125	
Trichloroethene	50.0	51.51	103	70-136	
Chlorodibromomethane	50.0	51.05	102	63-125	
Vinyl chloride	50.0	52.99	106	28-159	
Chlorobenzene	50.0	48.74	97	67-126	
Ethylbenzene	50.0	49.35	99	64-127	
m-Xylene & p-Xylene	100	97.54	98	65-128	
Xylenes, Total	150	144.9	97	65-129	
o-Xylene	50.0	47.37	95	64-132	
Styrene	50.0	53.73	107	63-128	
Bromoform	50.0	46.63	93	50-130	
Bromodichloromethane	50.0	50.68	101	68-121	
1,1,2,2-Tetrachloroethane	50.0	47.62	95	59-134	
Dichlorodifluoromethane	50.0	53.48	107	12-136	
1,2,4-Trimethylbenzene	50.0	50.38	101	62-129	
2-Chlorotoluene	50.0	47.02	94	60-140	
Dibromomethane	50.0	50.06	100	63-128	
1,1-Dichloropropene	50.0	49.31	99	70-125	
1,3-Dichlorobenzene	50.0	49.47	99	70-130	
n-Butylbenzene	50.0	52.96	106	60-140	
Methyl tert-butyl ether	50.0	48.03	96	49-152	
4-Chlorotoluene	50.0	50.53	101	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32502.D

Lab ID: LCS 600-121230/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	46.32	93	49-143	
1,2,4-Trichlorobenzene	50.0	54.26	109	63-138	
Bromobenzene	50.0	53.74	107	71-124	
Hexachlorobutadiene	50.0	51.66	103	55-138	
1,2-Dichlorobenzene	50.0	48.20	96	71-129	
Naphthalene	50.0	50.47	101	55-149	
1,1,1,2-Tetrachloroethane	50.0	48.60	97	69-125	
sec-Butylbenzene	50.0	46.76	94	65-131	
2-Chloroethyl vinyl ether	50.0	279.2	558	68-131	*
Isopropylbenzene	50.0	48.58	97	66-141	
2,2-Dichloropropane	50.0	54.49	109	60-132	
N-Propylbenzene	50.0	49.10	98	64-133	
Trichlorofluoromethane	50.0	54.20	108	60-140	
4-Isopropyltoluene	50.0	54.46	109	60-140	
1,2,3-Trichlorobenzene	50.0	52.95	106	63-141	
1,2,3-Trichloropropane	50.0	53.81	108	52-155	
1,3,5-Trimethylbenzene	50.0	48.92	98	65-129	
1,2-Dibromoethane	50.0	47.76	96	60-140	
tert-Butylbenzene	50.0	47.90	96	60-140	
1,4-Dichlorobenzene	50.0	48.40	97	72-127	
1,3-Dichloropropane	50.0	50.19	100	67-128	
Carbon disulfide	50.0	49.75	99	53-176	
Acetone	100	56.63	57	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32602.D

Lab ID: LCS 600-121251/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	48.09	96	28-164	
Chloroethane	50.0	41.32	83	30-136	
2-Butanone (MEK)	100	79.14	79	42-186	
Bromochloromethane	50.0	38.75	78	60-140	
Chloromethane	50.0	50.97	102	21-153	
Carbon tetrachloride	50.0	31.95	64	63-132	
Benzene	50.0	34.99	70	66-128	
1,1-Dichloroethene	50.0	31.23	62	40-157	
1,2-Dichloroethane	50.0	43.44	87	61-135	
cis-1,2-Dichloroethene	50.0	34.38	69	62-130	
trans-1,2-Dichloroethene	50.0	32.55	65	65-130	
1,1-Dichloroethane	50.0	33.71	67	64-130	
1,2-Dichloropropane	50.0	45.32	91	71-122	
Chloroform	50.0	42.34	85	67-126	
Methylene Chloride	50.0	32.74	65	48-144	
cis-1,3-Dichloropropene	50.0	35.63	71	66-129	
Toluene	50.0	39.77	80	69-125	
trans-1,3-Dichloropropene	50.0	39.09	78	66-134	
1,1,1-Trichloroethane	50.0	35.92	72	70-127	
1,1,2-Trichloroethane	50.0	40.44	81	67-124	
Tetrachloroethene	50.0	32.09	64	69-125	*
Trichloroethene	50.0	34.05	68	70-136	*
Chlorodibromomethane	50.0	39.01	78	63-125	
Vinyl chloride	50.0	50.00	100	28-159	
Chlorobenzene	50.0	33.85	68	67-126	
Ethylbenzene	50.0	41.77	84	64-127	
m-Xylene & p-Xylene	50.0	33.80	68	65-128	
Xylenes, Total	100	67.04	67	65-129	
o-Xylene	50.0	33.24	66	64-132	
Styrene	50.0	34.59	69	63-128	
Bromoform	50.0	53.23	106	50-130	
Bromodichloromethane	50.0	43.24	86	68-121	
1,1,2,2-Tetrachloroethane	50.0	51.27	103	59-134	
Dichlorodifluoromethane	50.0	52.40	105	12-136	
1,2,4-Trimethylbenzene	50.0	38.38	77	62-129	
2-Chlorotoluene	50.0	39.02	78	60-140	
Dibromomethane	50.0	43.86	88	63-128	
1,1-Dichloropropene	50.0	35.72	71	70-125	
1,3-Dichlorobenzene	50.0	38.47	77	70-130	
n-Butylbenzene	50.0	35.82	72	60-140	
Methyl tert-butyl ether	50.0	39.29	79	49-152	
4-Chlorotoluene	50.0	39.41	79	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32602.D

Lab ID: LCS 600-121251/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	71.18	142	49-143	
1,2,4-Trichlorobenzene	50.0	35.98	72	63-138	
Bromobenzene	50.0	39.82	80	71-124	
Hexachlorobutadiene	50.0	31.95	64	55-138	
1,2-Dichlorobenzene	50.0	40.09	80	71-129	
Naphthalene	50.0	55.57	111	55-149	
1,1,1,2-Tetrachloroethane	50.0	34.55	69	69-125	
sec-Butylbenzene	50.0	36.40	73	65-131	
2-Chloroethyl vinyl ether	100	95.72	96	68-131	
Isopropylbenzene	50.0	38.74	77	66-141	
2,2-Dichloropropane	50.0	42.21	84	60-132	
N-Propylbenzene	50.0	39.02	78	64-133	
Trichlorofluoromethane	50.0	51.00	102	60-140	
4-Isopropyltoluene	50.0	36.70	73	60-140	
1,2,3-Trichlorobenzene	50.0	37.50	75	63-141	
1,2,3-Trichloropropane	50.0	61.00	122	52-155	
1,3,5-Trimethylbenzene	50.0	38.22	76	65-129	
1,2-Dibromoethane	50.0	43.20	86	60-140	
tert-Butylbenzene	50.0	37.24	74	60-140	
1,4-Dichlorobenzene	50.0	39.35	79	72-127	
1,3-Dichloropropane	50.0	39.57	79	67-128	
Carbon disulfide	50.0	34.09	68	53-176	
Acetone	100	111.9	112	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32811.D

Lab ID: LCS 600-121357/9 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	56.21	112	28-164	
Chloroethane	50.0	55.94	112	30-136	
2-Butanone (MEK)	100	110.7	111	42-186	
Bromochloromethane	50.0	52.75	106	60-140	
Chloromethane	50.0	55.39	111	21-153	
Carbon tetrachloride	50.0	51.12	102	63-132	
Benzene	50.0	53.36	107	66-128	
1,1-Dichloroethene	50.0	49.16	98	40-157	
1,2-Dichloroethane	50.0	53.24	106	61-135	
cis-1,2-Dichloroethene	50.0	52.26	105	62-130	
trans-1,2-Dichloroethene	50.0	52.03	104	65-130	
1,1-Dichloroethane	50.0	52.85	106	64-130	
1,2-Dichloropropane	50.0	55.33	111	71-122	
Chloroform	50.0	52.56	105	67-126	
Methylene Chloride	50.0	57.79	116	48-144	
cis-1,3-Dichloropropene	50.0	56.15	112	66-129	
Toluene	50.0	54.86	110	69-125	
trans-1,3-Dichloropropene	50.0	52.57	105	66-134	
1,1,1-Trichloroethane	50.0	51.91	104	70-127	
1,1,2-Trichloroethane	50.0	55.70	111	67-124	
Tetrachloroethene	50.0	64.87	130	69-125	*
Trichloroethene	50.0	53.68	107	70-136	
Chlorodibromomethane	50.0	55.40	111	63-125	
Vinyl chloride	50.0	54.13	108	28-159	
Chlorobenzene	50.0	54.46	109	67-126	
Ethylbenzene	50.0	53.99	108	64-127	
m-Xylene & p-Xylene	50.0	52.75	106	65-128	
Xylenes, Total	100	107.0	107	65-129	
o-Xylene	50.0	54.22	108	64-132	
Styrene	50.0	54.33	109	63-128	
Bromoform	50.0	56.05	112	50-130	
Bromodichloromethane	50.0	53.58	107	68-121	
1,1,2,2-Tetrachloroethane	50.0	52.45	105	59-134	
Dichlorodifluoromethane	50.0	51.51	103	12-136	
1,2,4-Trimethylbenzene	50.0	54.33	109	62-129	
2-Chlorotoluene	50.0	53.69	107	60-140	
Dibromomethane	50.0	53.78	108	63-128	
1,1-Dichloropropene	50.0	49.84	100	70-125	
1,3-Dichlorobenzene	50.0	52.87	106	70-130	
n-Butylbenzene	50.0	50.35	101	60-140	
Methyl tert-butyl ether	50.0	54.10	108	49-152	
4-Chlorotoluene	50.0	52.29	105	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32811.D

Lab ID: LCS 600-121357/9 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	54.76	110	49-143	
1,2,4-Trichlorobenzene	50.0	51.54	103	63-138	
Bromobenzene	50.0	53.92	108	71-124	
Hexachlorobutadiene	50.0	49.86	100	55-138	
1,2-Dichlorobenzene	50.0	53.08	106	71-129	
Naphthalene	50.0	51.26	103	55-149	
1,1,1,2-Tetrachloroethane	50.0	57.34	115	69-125	
sec-Butylbenzene	50.0	51.81	104	65-131	
2-Chloroethyl vinyl ether	100	113.3	113	68-131	
Isopropylbenzene	50.0	53.20	106	66-141	
2,2-Dichloropropane	50.0	50.14	100	60-132	
N-Propylbenzene	50.0	52.18	104	64-133	
Trichlorofluoromethane	50.0	52.32	105	60-140	
4-Isopropyltoluene	50.0	52.47	105	60-140	
1,2,3-Trichlorobenzene	50.0	52.39	105	63-141	
1,2,3-Trichloropropane	50.0	53.48	107	52-155	
1,3,5-Trimethylbenzene	50.0	54.32	109	65-129	
1,2-Dibromoethane	50.0	54.20	108	60-140	
tert-Butylbenzene	50.0	53.18	106	60-140	
1,4-Dichlorobenzene	50.0	52.41	105	72-127	
1,3-Dichloropropane	50.0	54.62	109	67-128	
Carbon disulfide	50.0	49.31	99	53-176	
Acetone	100	120.0	120	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33002.D

Lab ID: LCS 600-121548/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	6250	6236	100	28-164	
Chloroethane	6250	5527	88	30-136	
2-Butanone (MEK)	12500	9561	76	42-186	
Bromochloromethane	6250	5407	87	60-140	
Chloromethane	6250	5253	84	21-153	
Carbon tetrachloride	6250	5898	94	63-132	
Benzene	6250	5418	87	66-128	
1,1-Dichloroethene	6250	6569	105	40-157	
1,2-Dichloroethane	6250	5687	91	61-135	
cis-1,2-Dichloroethene	6250	5518	88	62-130	
trans-1,2-Dichloroethene	6250	5785	93	65-130	
1,1-Dichloroethane	6250	5430	87	64-130	
1,2-Dichloropropane	6250	5282	85	71-122	
Chloroform	6250	5552	89	67-126	
Methylene Chloride	6250	5641	90	48-144	
cis-1,3-Dichloropropene	6250	5553	89	66-129	
Toluene	6250	5391	86	69-125	
trans-1,3-Dichloropropene	6250	5654	90	66-134	
1,1,1-Trichloroethane	6250	5764	92	70-127	
1,1,2-Trichloroethane	6250	5318	85	67-124	
Tetrachloroethene	6250	5352	86	69-125	
Trichloroethene	6250	5676	91	70-136	
Chlorodibromomethane	6250	5722	92	63-125	
Vinyl chloride	6250	4823	77	28-159	
Chlorobenzene	6250	5446	87	67-126	
Ethylbenzene	6250	5381	86	64-127	
m-Xylene & p-Xylene	6250	5458	87	65-128	
Xylenes, Total	12500	10840	87	65-129	
o-Xylene	6250	5384	86	64-132	
Styrene	6250	5627	90	63-128	
Bromoform	6250	5544	89	50-130	
Bromodichloromethane	6250	5559	89	68-121	
1,1,2,2-Tetrachloroethane	6250	4843	77	59-134	
Dichlorodifluoromethane	6250	5655	90	12-136	
1,2,4-Trimethylbenzene	6250	5275	84	62-129	
2-Chlorotoluene	6250	5237	84	60-140	
Dibromomethane	6250	5790	93	63-128	
1,1-Dichloropropene	6250	5652	90	70-125	
1,3-Dichlorobenzene	6250	5235	84	70-130	
n-Butylbenzene	6250	5105	82	60-140	
Methyl tert-butyl ether	6250	5435	87	49-152	
4-Chlorotoluene	6250	5270	84	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33002.D

Lab ID: LCS 600-121548/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	6250	4943	79	49-143	
1,2,4-Trichlorobenzene	6250	5084	81	63-138	
Bromobenzene	6250	5518	88	71-124	
Hexachlorobutadiene	6250	6149	98	55-138	
1,2-Dichlorobenzene	6250	5191	83	71-129	
Naphthalene	6250	8896	142	55-149	
1,1,1,2-Tetrachloroethane	6250	5615	90	69-125	
sec-Butylbenzene	6250	5050	81	65-131	
2-Chloroethyl vinyl ether	12500	2125	17	68-131	*
Isopropylbenzene	6250	5245	84	66-141	
2,2-Dichloropropane	6250	6153	98	60-132	
N-Propylbenzene	6250	5235	84	64-133	
Trichlorofluoromethane	6250	5700	91	60-140	
4-Isopropyltoluene	6250	5048	81	60-140	
1,2,3-Trichlorobenzene	6250	5154	82	63-141	
1,2,3-Trichloropropane	6250	4950	79	52-155	
1,3,5-Trimethylbenzene	6250	5240	84	65-129	
1,2-Dibromoethane	6250	5439	87	60-140	
tert-Butylbenzene	6250	5209	83	60-140	
1,4-Dichlorobenzene	6250	5342	85	72-127	
1,3-Dichloropropane	6250	5309	85	67-128	
Carbon disulfide	6250	7083	113	53-176	
Acetone	12500	9891	79	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E33002.D

Lab ID: LCS 600-121704/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	50.0	56.12	112	28-164	
Chloroethane	50.0	59.08	118	30-136	
2-Butanone (MEK)	100	97.59	98	42-186	
Chlorobromomethane	50.0	53.14	106	60-140	
Chloromethane	50.0	58.62	117	21-153	
Carbon tetrachloride	50.0	57.14	114	63-132	
Benzene	50.0	55.11	110	66-128	
1,1-Dichloroethene	50.0	65.60	131	40-157	
1,2-Dichloroethane	50.0	59.47	119	61-135	
cis-1,2-Dichloroethene	50.0	54.16	108	62-130	
trans-1,2-Dichloroethene	50.0	54.30	109	65-130	
1,1-Dichloroethane	50.0	60.15	120	64-130	
1,2-Dichloropropane	50.0	55.55	111	71-122	
Chloroform	50.0	58.62	117	67-126	
Methylene Chloride	50.0	60.64	121	48-144	
cis-1,3-Dichloropropene	50.0	52.82	106	66-129	
Toluene	50.0	53.14	106	69-125	
trans-1,3-Dichloropropene	50.0	53.19	106	66-134	
1,1,1-Trichloroethane	50.0	56.33	113	70-127	
1,1,2-Trichloroethane	50.0	55.54	111	67-124	
Tetrachloroethene	50.0	51.50	103	69-125	
Trichloroethene	50.0	50.92	102	70-136	
Dibromochloromethane	50.0	54.45	109	63-125	
Vinyl chloride	50.0	58.93	118	28-159	
Chlorobenzene	50.0	51.24	102	67-126	
Ethylbenzene	50.0	50.62	101	64-127	
m-Xylene & p-Xylene	100	101.6	102	65-128	
Xylenes, Total	150	151.0	101	65-129	
o-Xylene	50.0	49.44	99	64-132	
Styrene	50.0	57.38	115	63-128	
Bromoform	50.0	50.94	102	50-130	
Bromodichloromethane	50.0	56.90	114	68-121	
1,1,2,2-Tetrachloroethane	50.0	55.01	110	59-134	
Dichlorodifluoromethane	50.0	58.51	117	12-136	
1,2,4-Trimethylbenzene	50.0	51.02	102	62-129	
2-Chlorotoluene	50.0	47.94	96	60-140	
Dibromomethane	50.0	53.09	106	63-128	
1,1-Dichloropropene	50.0	55.37	111	70-125	
1,3-Dichlorobenzene	50.0	49.18	98	70-130	
n-Butylbenzene	50.0	53.19	106	60-140	
Methyl tert-butyl ether	50.0	55.47	111	49-152	
4-Chlorotoluene	50.0	52.35	105	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E33002.D

Lab ID: LCS 600-121704/3 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	47.74	95	49-143	
1,2,4-Trichlorobenzene	50.0	51.47	103	63-138	
Bromobenzene	50.0	54.48	109	71-124	
Hexachlorobutadiene	50.0	44.84	90	55-138	
1,2-Dichlorobenzene	50.0	46.92	94	71-129	
Naphthalene	50.0	50.88	102	55-149	
1,1,1,2-Tetrachloroethane	50.0	48.80	98	69-125	
sec-Butylbenzene	50.0	48.64	97	65-131	
2-Chloroethyl vinyl ether	50.0	317.1	634	68-131	*
Isopropylbenzene	50.0	49.56	99	66-141	
2,2-Dichloropropane	50.0	59.64	119	60-132	
N-Propylbenzene	50.0	52.16	104	64-133	
Trichlorofluoromethane	50.0	62.09	124	60-140	
4-Isopropyltoluene	50.0	54.80	110	60-140	
1,2,3-Trichlorobenzene	50.0	47.71	95	63-141	
1,2,3-Trichloropropane	50.0	65.40	131	52-155	
1,3,5-Trimethylbenzene	50.0	51.27	103	65-129	
1,2-Dibromoethane	50.0	50.71	101	60-140	
tert-Butylbenzene	50.0	48.95	98	60-140	
1,4-Dichlorobenzene	50.0	48.04	96	72-127	
1,3-Dichloropropane	50.0	56.94	114	67-128	
Carbon disulfide	50.0	56.09	112	53-176	
Acetone	100	63.97	64	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32410.D

Lab ID: LCSD 600-121113/10 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bromomethane	50.0	46.42	93	4	30	28-164	
Chloroethane	50.0	50.30	101	4	30	30-136	
2-Butanone (MEK)	100	117.3	117	29	30	42-186	
Bromochloromethane	50.0	55.36	111	10	30	60-140	
Chloromethane	50.0	47.02	94	9	30	21-153	
Carbon tetrachloride	50.0	51.13	102	3	30	63-132	
Benzene	50.0	53.49	107	2	30	66-128	
1,1-Dichloroethene	50.0	51.52	103	7	30	40-157	
1,2-Dichloroethane	50.0	54.58	109	4	30	61-135	
cis-1,2-Dichloroethene	50.0	51.14	102	0	30	62-130	
trans-1,2-Dichloroethene	50.0	51.24	102	1	30	65-130	
1,1-Dichloroethane	50.0	52.20	104	2	30	64-130	
1,2-Dichloropropane	50.0	50.84	102	2	30	71-122	
Chloroform	50.0	50.35	101	4	30	67-126	
Methylene Chloride	50.0	58.34	117	3	30	48-144	
cis-1,3-Dichloropropene	50.0	46.51	93	2	30	66-129	
Toluene	50.0	46.39	93	8	30	69-125	
trans-1,3-Dichloropropene	50.0	50.26	101	5	30	66-134	
1,1,1-Trichloroethane	50.0	50.57	101	2	30	70-127	
1,1,2-Trichloroethane	50.0	52.31	105	6	30	67-124	
Tetrachloroethene	50.0	55.76	112	3	30	69-125	
Trichloroethene	50.0	48.51	97	7	30	70-136	
Chlorodibromomethane	50.0	52.71	105	5	30	63-125	
Vinyl chloride	50.0	47.78	96	7	30	28-159	
Chlorobenzene	50.0	47.03	94	4	30	67-126	
Ethylbenzene	50.0	49.15	98	2	30	64-127	
m-Xylene & p-Xylene	100	95.96	96	2	30	65-128	
Xylenes, Total	150	141.3	94	3	30	65-129	
o-Xylene	50.0	45.38	91	4	30	64-132	
Styrene	50.0	50.59	101	1	30	63-128	
Bromoform	50.0	55.18	110	7	30	50-130	
Bromodichloromethane	50.0	50.37	101	4	30	68-121	
1,1,2,2-Tetrachloroethane	50.0	55.84	112	15	30	59-134	
Dichlorodifluoromethane	50.0	49.72	99	11	30	12-136	
1,2,4-Trimethylbenzene	50.0	48.17	96	0	30	62-129	
2-Chlorotoluene	50.0	45.75	92	1	30	60-140	
Dibromomethane	50.0	52.41	105	2	30	63-128	
1,1-Dichloropropene	50.0	48.54	97	5	30	70-125	
1,3-Dichlorobenzene	50.0	47.49	95	1	30	70-130	
n-Butylbenzene	50.0	50.33	101	4	30	60-140	
Methyl tert-butyl ether	50.0	52.58	105	10	30	49-152	
4-Chlorotoluene	50.0	48.82	98	0	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32410.D

Lab ID: LCSD 600-121113/10 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	51.53	103	11	30	49-143	
1,2,4-Trichlorobenzene	50.0	53.94	108	3	30	63-138	
Bromobenzene	50.0	50.65	101	3	30	71-124	
Hexachlorobutadiene	50.0	47.59	95	7	30	55-138	
1,2-Dichlorobenzene	50.0	48.52	97	1	30	71-129	
Naphthalene	50.0	56.19	112	10	30	55-149	
1,1,1,2-Tetrachloroethane	50.0	48.44	97	2	30	69-125	
sec-Butylbenzene	50.0	46.02	92	2	30	65-131	
2-Chloroethyl vinyl ether	50.0	287.4	575	19	30	68-131	*
Isopropylbenzene	50.0	45.70	91	5	30	66-141	
2,2-Dichloropropane	50.0	52.13	104	1	30	60-132	
N-Propylbenzene	50.0	47.53	95	5	30	64-133	
Trichlorofluoromethane	50.0	49.86	100	5	30	60-140	
4-Isopropyltoluene	50.0	51.83	104	3	30	60-140	
1,2,3-Trichlorobenzene	50.0	54.72	109	10	30	63-141	
1,2,3-Trichloropropane	50.0	68.87	138	16	30	52-155	
1,3,5-Trimethylbenzene	50.0	47.58	95	4	30	65-129	
1,2-Dibromoethane	50.0	55.51	111	8	30	60-140	
tert-Butylbenzene	50.0	45.53	91	6	30	60-140	
1,4-Dichlorobenzene	50.0	47.44	95	1	30	72-127	
1,3-Dichloropropane	50.0	51.61	103	3	30	67-128	
Carbon disulfide	50.0	49.09	98	0	30	53-176	
Acetone	100	86.05	86	52	30	44-136	*

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32503.D

Lab ID: LCSD 600-121230/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bromomethane	50.0	47.23	94	1	30	28-164	
Chloroethane	50.0	52.03	104	3	30	30-136	
2-Butanone (MEK)	100	99.93	100	11	30	42-186	
Bromochloromethane	50.0	55.31	111	14	30	60-140	
Chloromethane	50.0	53.43	107	1	30	21-153	
Carbon tetrachloride	50.0	52.58	105	1	30	63-132	
Benzene	50.0	51.90	104	3	30	66-128	
1,1-Dichloroethene	50.0	55.65	111	1	30	40-157	
1,2-Dichloroethane	50.0	51.58	103	3	30	61-135	
cis-1,2-Dichloroethene	50.0	50.18	100	3	30	62-130	
trans-1,2-Dichloroethene	50.0	51.41	103	5	30	65-130	
1,1-Dichloroethane	50.0	53.66	107	2	30	64-130	
1,2-Dichloropropane	50.0	50.16	100	2	30	71-122	
Chloroform	50.0	51.15	102	1	30	67-126	
Methylene Chloride	50.0	57.96	116	0	30	48-144	
cis-1,3-Dichloropropene	50.0	46.73	93	1	30	66-129	
Toluene	50.0	49.80	100	3	30	69-125	
trans-1,3-Dichloropropene	50.0	48.33	97	2	30	66-134	
1,1,1-Trichloroethane	50.0	53.86	108	2	30	70-127	
1,1,2-Trichloroethane	50.0	50.29	101	5	30	67-124	
Tetrachloroethene	50.0	60.08	120	6	30	69-125	
Trichloroethene	50.0	50.06	100	3	30	70-136	
Chlorodibromomethane	50.0	49.96	100	2	30	63-125	
Vinyl chloride	50.0	52.58	105	1	30	28-159	
Chlorobenzene	50.0	49.10	98	1	30	67-126	
Ethylbenzene	50.0	48.70	97	1	30	64-127	
m-Xylene & p-Xylene	100	96.54	97	1	30	65-128	
Xylenes, Total	150	144.1	96	1	30	65-129	
o-Xylene	50.0	47.60	95	0	30	64-132	
Styrene	50.0	50.02	100	7	30	63-128	
Bromoform	50.0	50.99	102	9	30	50-130	
Bromodichloromethane	50.0	50.50	101	0	30	68-121	
1,1,2,2-Tetrachloroethane	50.0	48.05	96	1	30	59-134	
Dichlorodifluoromethane	50.0	56.52	113	6	30	12-136	
1,2,4-Trimethylbenzene	50.0	48.62	97	4	30	62-129	
2-Chlorotoluene	50.0	48.26	97	3	30	60-140	
Dibromomethane	50.0	56.66	113	12	30	63-128	
1,1-Dichloropropene	50.0	49.99	100	1	30	70-125	
1,3-Dichlorobenzene	50.0	51.33	103	4	30	70-130	
n-Butylbenzene	50.0	51.04	102	4	30	60-140	
Methyl tert-butyl ether	50.0	50.02	100	4	30	49-152	
4-Chlorotoluene	50.0	46.94	94	7	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32503.D

Lab ID: LCSD 600-121230/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	50.85	102	9	30	49-143	
1,2,4-Trichlorobenzene	50.0	53.47	107	1	30	63-138	
Bromobenzene	50.0	53.33	107	1	30	71-124	
Hexachlorobutadiene	50.0	52.24	104	1	30	55-138	
1,2-Dichlorobenzene	50.0	48.03	96	0	30	71-129	
Naphthalene	50.0	51.38	103	2	30	55-149	
1,1,1,2-Tetrachloroethane	50.0	49.06	98	1	30	69-125	
sec-Butylbenzene	50.0	47.21	94	1	30	65-131	
2-Chloroethyl vinyl ether	50.0	277.1	554	1	30	68-131	*
Isopropylbenzene	50.0	47.60	95	2	30	66-141	
2,2-Dichloropropane	50.0	56.87	114	4	30	60-132	
N-Propylbenzene	50.0	48.88	98	0	30	64-133	
Trichlorofluoromethane	50.0	51.20	102	6	30	60-140	
4-Isopropyltoluene	50.0	53.45	107	2	30	60-140	
1,2,3-Trichlorobenzene	50.0	54.32	109	3	30	63-141	
1,2,3-Trichloropropane	50.0	59.75	120	10	30	52-155	
1,3,5-Trimethylbenzene	50.0	47.58	95	3	30	65-129	
1,2-Dibromoethane	50.0	49.24	98	3	30	60-140	
tert-Butylbenzene	50.0	47.49	95	1	30	60-140	
1,4-Dichlorobenzene	50.0	48.92	98	1	30	72-127	
1,3-Dichloropropane	50.0	48.29	97	4	30	67-128	
Carbon disulfide	50.0	49.59	99	0	30	53-176	
Acetone	100	61.06	61	8	30	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32610.D

Lab ID: LCSD 600-121251/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bromomethane	50.0	40.49	81	17	30	28-164	
Chloroethane	50.0	38.18	76	8	30	30-136	
2-Butanone (MEK)	100	72.67	73	9	30	42-186	
Bromochloromethane	50.0	42.84	86	10	30	60-140	
Chloromethane	50.0	39.63	79	25	30	21-153	
Carbon tetrachloride	50.0	37.81	76	17	30	63-132	
Benzene	50.0	39.94	80	13	30	66-128	
1,1-Dichloroethene	50.0	36.50	73	16	30	40-157	
1,2-Dichloroethane	50.0	49.73	99	13	30	61-135	
cis-1,2-Dichloroethene	50.0	39.15	78	13	30	62-130	
trans-1,2-Dichloroethene	50.0	36.25	73	11	30	65-130	
1,1-Dichloroethane	50.0	38.50	77	13	30	64-130	
1,2-Dichloropropane	50.0	40.17	80	12	30	71-122	
Chloroform	50.0	39.83	80	6	30	67-126	
Methylene Chloride	50.0	38.28	77	16	30	48-144	
cis-1,3-Dichloropropene	50.0	41.57	83	15	30	66-129	
Toluene	50.0	37.24	74	7	30	69-125	
trans-1,3-Dichloropropene	50.0	45.40	91	15	30	66-134	
1,1,1-Trichloroethane	50.0	37.79	76	5	30	70-127	
1,1,2-Trichloroethane	50.0	46.78	94	15	30	67-124	
Tetrachloroethene	50.0	40.56	81	23	30	69-125	
Trichloroethene	50.0	38.06	76	11	30	70-136	
Chlorodibromomethane	50.0	45.71	91	16	30	63-125	
Vinyl chloride	50.0	39.62	79	23	30	28-159	
Chlorobenzene	50.0	38.59	77	13	30	67-126	
Ethylbenzene	50.0	38.07	76	9	30	64-127	
m-Xylene & p-Xylene	50.0	39.18	78	15	30	65-128	
Xylenes, Total	100	77.70	78	15	30	65-129	
o-Xylene	50.0	38.52	77	15	30	64-132	
Styrene	50.0	39.23	78	13	30	63-128	
Bromoform	50.0	61.12	122	14	30	50-130	
Bromodichloromethane	50.0	48.07	96	11	30	68-121	
1,1,2,2-Tetrachloroethane	50.0	60.20	120	16	30	59-134	
Dichlorodifluoromethane	50.0	36.43	73	36	30	12-136	*
1,2,4-Trimethylbenzene	50.0	43.87	88	13	30	62-129	
2-Chlorotoluene	50.0	43.64	87	11	30	60-140	
Dibromomethane	50.0	49.85	100	13	30	63-128	
1,1-Dichloropropene	50.0	40.20	80	12	30	70-125	
1,3-Dichlorobenzene	50.0	44.21	88	14	30	70-130	
n-Butylbenzene	50.0	41.94	84	16	30	60-140	
Methyl tert-butyl ether	50.0	44.46	89	12	30	49-152	
4-Chlorotoluene	50.0	43.80	88	11	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32610.D

Lab ID: LCSD 600-121251/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	85.06	170	18	30	49-143	*
1,2,4-Trichlorobenzene	50.0	40.85	82	13	30	63-138	
Bromobenzene	50.0	44.85	90	12	30	71-124	
Hexachlorobutadiene	50.0	38.81	78	19	30	55-138	
1,2-Dichlorobenzene	50.0	46.04	92	14	30	71-129	
Naphthalene	50.0	61.80	124	11	30	55-149	
1,1,1,2-Tetrachloroethane	50.0	40.59	81	16	30	69-125	
sec-Butylbenzene	50.0	43.82	88	18	30	65-131	
2-Chloroethyl vinyl ether	100	112.9	113	16	30	68-131	
Isopropylbenzene	50.0	45.10	90	15	30	66-141	
2,2-Dichloropropane	50.0	46.94	94	11	30	60-132	
N-Propylbenzene	50.0	44.13	88	12	30	64-133	
Trichlorofluoromethane	50.0	43.60	87	16	30	60-140	
4-Isopropyltoluene	50.0	42.98	86	16	30	60-140	
1,2,3-Trichlorobenzene	50.0	43.83	88	16	30	63-141	
1,2,3-Trichloropropane	50.0	73.42	147	18	30	52-155	
1,3,5-Trimethylbenzene	50.0	44.81	90	16	30	65-129	
1,2-Dibromoethane	50.0	49.78	100	14	30	60-140	
tert-Butylbenzene	50.0	44.74	89	18	30	60-140	
1,4-Dichlorobenzene	50.0	44.99	90	13	30	72-127	
1,3-Dichloropropane	50.0	46.21	92	15	30	67-128	
Carbon disulfide	50.0	37.62	75	10	30	53-176	
Acetone	100	106.8	107	5	30	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32814.D

Lab ID: LCSD 600-121357/11 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bromomethane	50.0	47.58	95	17	30	28-164	
Chloroethane	50.0	49.44	99	12	30	30-136	
2-Butanone (MEK)	100	109.2	109	1	30	42-186	
Bromochloromethane	50.0	52.16	104	1	30	60-140	
Chloromethane	50.0	48.89	98	12	30	21-153	
Carbon tetrachloride	50.0	58.13	116	13	30	63-132	
Benzene	50.0	55.29	111	4	30	66-128	
1,1-Dichloroethene	50.0	56.80	114	14	30	40-157	
1,2-Dichloroethane	50.0	52.91	106	1	30	61-135	
cis-1,2-Dichloroethene	50.0	52.88	106	1	30	62-130	
trans-1,2-Dichloroethene	50.0	54.77	110	5	30	65-130	
1,1-Dichloroethane	50.0	53.74	107	2	30	64-130	
1,2-Dichloropropane	50.0	55.63	111	1	30	71-122	
Chloroform	50.0	53.53	107	2	30	67-126	
Methylene Chloride	50.0	58.51	117	1	30	48-144	
cis-1,3-Dichloropropene	50.0	57.30	115	2	30	66-129	
Toluene	50.0	58.58	117	7	30	69-125	
trans-1,3-Dichloropropene	50.0	54.22	108	3	30	66-134	
1,1,1-Trichloroethane	50.0	56.76	114	9	30	70-127	
1,1,2-Trichloroethane	50.0	54.69	109	2	30	67-124	
Tetrachloroethene	50.0	59.19	118	9	30	69-125	
Trichloroethene	50.0	57.27	115	6	30	70-136	
Chlorodibromomethane	50.0	55.59	111	0	30	63-125	
Vinyl chloride	50.0	50.33	101	7	30	28-159	
Chlorobenzene	50.0	56.99	114	5	30	67-126	
Ethylbenzene	50.0	56.94	114	5	30	64-127	
m-Xylene & p-Xylene	50.0	57.07	114	8	30	65-128	
Xylenes, Total	100	114.3	114	7	30	65-129	
o-Xylene	50.0	57.25	115	5	30	64-132	
Styrene	50.0	56.12	112	3	30	63-128	
Bromoform	50.0	56.60	113	1	30	50-130	
Bromodichloromethane	50.0	53.69	107	0	30	68-121	
1,1,2,2-Tetrachloroethane	50.0	54.47	109	4	30	59-134	
Dichlorodifluoromethane	50.0	50.73	101	2	30	12-136	
1,2,4-Trimethylbenzene	50.0	57.71	115	6	30	62-129	
2-Chlorotoluene	50.0	57.15	114	6	30	60-140	
Dibromomethane	50.0	53.11	106	1	30	63-128	
1,1-Dichloropropene	50.0	57.04	114	13	30	70-125	
1,3-Dichlorobenzene	50.0	56.78	114	7	30	70-130	
n-Butylbenzene	50.0	58.61	117	15	30	60-140	
Methyl tert-butyl ether	50.0	54.32	109	0	30	49-152	
4-Chlorotoluene	50.0	57.05	114	9	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32814.D

Lab ID: LCSD 600-121357/11 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	56.34	113	3	30	49-143	
1,2,4-Trichlorobenzene	50.0	58.08	116	12	30	63-138	
Bromobenzene	50.0	55.89	112	4	30	71-124	
Hexachlorobutadiene	50.0	59.82	120	18	30	55-138	
1,2-Dichlorobenzene	50.0	55.97	112	5	30	71-129	
Naphthalene	50.0	54.55	109	6	30	55-149	
1,1,1,2-Tetrachloroethane	50.0	57.37	115	0	30	69-125	
sec-Butylbenzene	50.0	59.64	119	14	30	65-131	
2-Chloroethyl vinyl ether	100	110.8	111	2	30	68-131	
Isopropylbenzene	50.0	59.16	118	11	30	66-141	
2,2-Dichloropropane	50.0	57.00	114	13	30	60-132	
N-Propylbenzene	50.0	58.41	117	11	30	64-133	
Trichlorofluoromethane	50.0	48.91	98	7	30	60-140	
4-Isopropyltoluene	50.0	59.14	118	12	30	60-140	
1,2,3-Trichlorobenzene	50.0	58.00	116	10	30	63-141	
1,2,3-Trichloropropane	50.0	52.68	105	2	30	52-155	
1,3,5-Trimethylbenzene	50.0	58.64	117	8	30	65-129	
1,2-Dibromoethane	50.0	55.58	111	3	30	60-140	
tert-Butylbenzene	50.0	59.78	120	12	30	60-140	
1,4-Dichlorobenzene	50.0	56.50	113	8	30	72-127	
1,3-Dichloropropane	50.0	55.17	110	1	30	67-128	
Carbon disulfide	50.0	53.92	108	9	30	53-176	
Acetone	100	117.2	117	2	30	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E33005.D

Lab ID: LCSD 600-121704/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bromomethane	50.0	53.80	108	4	30	28-164	
Chloroethane	50.0	56.07	112	5	30	30-136	
2-Butanone (MEK)	100	101.7	102	4	30	42-186	
Chlorobromomethane	50.0	57.54	115	8	30	60-140	
Chloromethane	50.0	54.41	109	7	30	21-153	
Carbon tetrachloride	50.0	56.66	113	1	30	63-132	
Benzene	50.0	56.49	113	2	30	66-128	
1,1-Dichloroethene	50.0	58.40	117	12	30	40-157	
1,2-Dichloroethane	50.0	55.55	111	7	30	61-135	
cis-1,2-Dichloroethene	50.0	58.26	117	7	30	62-130	
trans-1,2-Dichloroethene	50.0	59.68	119	9	30	65-130	
1,1-Dichloroethane	50.0	60.95	122	1	30	64-130	
1,2-Dichloropropane	50.0	60.13	120	8	30	71-122	
Chloroform	50.0	57.37	115	2	30	67-126	
Methylene Chloride	50.0	57.35	115	6	30	48-144	
cis-1,3-Dichloropropene	50.0	52.95	106	0	30	66-129	
Toluene	50.0	58.38	117	9	30	69-125	
trans-1,3-Dichloropropene	50.0	56.55	113	6	30	66-134	
1,1,1-Trichloroethane	50.0	57.31	115	2	30	70-127	
1,1,2-Trichloroethane	50.0	56.97	114	3	30	67-124	
Tetrachloroethene	50.0	59.33	119	14	30	69-125	
Trichloroethene	50.0	58.26	117	13	30	70-136	
Dibromochloromethane	50.0	56.52	113	4	30	63-125	
Vinyl chloride	50.0	55.55	111	6	30	28-159	
Chlorobenzene	50.0	53.22	106	4	30	67-126	
Ethylbenzene	50.0	60.09	120	17	30	64-127	
m-Xylene & p-Xylene	100	116.5	116	14	30	65-128	
Xylenes, Total	150	172.9	115	13	30	65-129	
o-Xylene	50.0	56.36	113	13	30	64-132	
Styrene	50.0	60.28	121	5	30	63-128	
Bromoform	50.0	55.34	111	8	30	50-130	
Bromodichloromethane	50.0	59.38	119	4	30	68-121	
1,1,2,2-Tetrachloroethane	50.0	59.66	119	8	30	59-134	
Dichlorodifluoromethane	50.0	55.33	111	6	30	12-136	
1,2,4-Trimethylbenzene	50.0	57.02	114	11	30	62-129	
2-Chlorotoluene	50.0	54.92	110	14	30	60-140	
Dibromomethane	50.0	55.72	111	5	30	63-128	
1,1-Dichloropropene	50.0	56.09	112	1	30	70-125	
1,3-Dichlorobenzene	50.0	57.09	114	15	30	70-130	
n-Butylbenzene	50.0	58.48	117	9	30	60-140	
Methyl tert-butyl ether	50.0	53.04	106	4	30	49-152	
4-Chlorotoluene	50.0	57.08	114	9	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E33005.D

Lab ID: LCSD 600-121704/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2-Dibromo-3-Chloropropane	50.0	47.99	96	1	30	49-143	
1,2,4-Trichlorobenzene	50.0	54.77	110	6	30	63-138	
Bromobenzene	50.0	59.35	119	9	30	71-124	
Hexachlorobutadiene	50.0	49.45	99	10	30	55-138	
1,2-Dichlorobenzene	50.0	53.08	106	12	30	71-129	
Naphthalene	50.0	48.70	97	4	30	55-149	
1,1,1,2-Tetrachloroethane	50.0	59.49	119	20	30	69-125	
sec-Butylbenzene	50.0	55.53	111	13	30	65-131	
2-Chloroethyl vinyl ether	50.0	303.6	607	4	30	68-131	*
Isopropylbenzene	50.0	56.25	112	13	30	66-141	
2,2-Dichloropropane	50.0	59.17	118	1	30	60-132	
N-Propylbenzene	50.0	59.08	118	12	30	64-133	
Trichlorofluoromethane	50.0	59.44	119	4	30	60-140	
4-Isopropyltoluene	50.0	62.37	125	13	30	60-140	
1,2,3-Trichlorobenzene	50.0	50.20	100	5	30	63-141	
1,2,3-Trichloropropane	50.0	64.11	128	2	30	52-155	
1,3,5-Trimethylbenzene	50.0	57.29	115	11	30	65-129	
1,2-Dibromoethane	50.0	56.21	112	10	30	60-140	
tert-Butylbenzene	50.0	54.90	110	11	30	60-140	
1,4-Dichlorobenzene	50.0	55.21	110	14	30	72-127	
1,3-Dichloropropane	50.0	54.45	109	4	30	67-128	
Carbon disulfide	50.0	55.96	112	0	30	53-176	
Acetone	100	57.12	57	11	30	44-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32406.D

Lab ID: 600-82738-2 MS Client ID: SB01-2-3-11112013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	55.6	1.66 U	54.90	99	60-140	
Chloromethane	55.6	1.79 U	23.56	42	60-140	F1
Vinyl chloride	55.6	0.969 U	30.56	55	60-140	F1
Bromomethane	55.6	0.894 U	17.40	31	60-140	F1
Chloroethane	55.6	1.51 U	24.62	44	60-140	F1
Trichlorofluoromethane	55.6	0.711 U	44.92	81	60-140	
1,1-Dichloroethene	55.6	1.31 U	33.07	59	65-135	F1
trans-1,2-Dichloroethene	55.6	1.23 U	23.31	42	60-140	F1
Methyl tert-butyl ether	55.6	1.97 U	13.04	23	60-140	F1
Methylene Chloride	55.6	2.77 J	26.91	43	60-140	F1
cis-1,2-Dichloroethene	55.6	0.894 U	18.02	32	60-140	F1
2-Butanone (MEK)	111	2.05 U	28.14	25	60-140	F1
Bromochloromethane	55.6	1.92 U	13.41	24	60-140	F1
Carbon tetrachloride	55.6	1.22 U	33.04	59	60-140	F1
Benzene	55.6	0.679 U	18.70	34	65-135	F1
1,2-Dichloroethane	55.6	0.969 U	13.36	24	60-140	F1
Trichloroethene	55.6	1.51 U	20.12	36	61-135	F1
1,1,1-Trichloroethane	55.6	0.797 U	27.35	49	60-140	F1
1,1-Dichloroethane	55.6	0.937 U	20.25	36	60-140	F1
1,2-Dichloropropane	55.6	0.765 U	15.53	28	60-140	F1
2,2-Dichloropropane	55.6	1.96 U	26.22	47	60-140	F1
Dibromomethane	55.6	0.808 U	15.65	28	60-140	F1
Chloroform	55.6	0.711 U	17.01	31	60-140	F1
Bromodichloromethane	55.6	0.711 U	14.24	26	60-140	F1
2-Chloroethyl vinyl ether	55.6	1.06 U	71.97	129	60-140	
1,1-Dichloropropene	55.6	0.700 U	29.38	53	60-140	F1
cis-1,3-Dichloropropene	55.6	0.582 U	11.64	21	60-140	F1
Toluene	55.6	1.49 U	19.16	34	64-135	F1
trans-1,3-Dichloropropene	55.6	0.625 U	14.05	25	60-140	F1
1,1,2-Trichloroethane	55.6	0.786 U	14.18 J	25	60-140	F1
Tetrachloroethene	55.6	0.765 U	27.10	49	60-140	F1
1,3-Dichloropropane	55.6	0.679 U	12.16	22	60-140	F1
Chlorodibromomethane	55.6	1.01 U	14.01	25	60-140	F1
1,2-Dibromoethane	55.6	1.10 U	12.92	23	60-140	F1
Chlorobenzene	55.6	1.03 U	14.59	26	65-135	F1
1,1,1,2-Tetrachloroethane	55.6	1.51 U	13.66	25	60-140	F1
Ethylbenzene	55.6	1.10 U	18.29	33	60-140	F1
m-Xylene & p-Xylene	111	1.64 U	36.56	33	60-140	F1
Xylenes, Total	167	1.22 U	51.50	31	60-140	F1
o-Xylene	55.6	1.22 U	14.94	27	60-140	F1
Styrene	55.6	0.765 U	14.29	26	60-140	F1
Bromoform	55.6	1.48 U	11.84	21	60-140	F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32406.D

Lab ID: 600-82738-2 MS Client ID: SB01-2-3-11112013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	55.6	0.991 U	20.58	37	60-140	F1
Bromobenzene	55.6	1.07 U	13.85	25	60-140	F1
1,2,3-Trichloropropane	55.6	1.41 U	26.34	47	60-140	F1
1,1,2,2-Tetrachloroethane	55.6	0.937 U	0.968 U	0	60-140	F1
N-Propylbenzene	55.6	1.02 U	21.03	38	60-140	F1
2-Chlorotoluene	55.6	0.732 U	14.39	26	60-140	F1
4-Chlorotoluene	55.6	0.894 U	16.11	29	60-140	F1
1,3,5-Trimethylbenzene	55.6	1.72 U	17.35	31	60-140	F1
tert-Butylbenzene	55.6	1.02 U	20.10	36	60-140	F1
4-Isopropyltoluene	55.6	1.10 U	21.82	39	60-140	F1
1,2,4-Trimethylbenzene	55.6	0.991 U	15.52	28	60-140	F1
sec-Butylbenzene	55.6	0.754 U	21.49	39	60-140	F1
1,3-Dichlorobenzene	55.6	0.765 U	12.58	23	60-140	F1
1,4-Dichlorobenzene	55.6	0.711 U	13.17	24	60-140	F1
1,2-Dichlorobenzene	55.6	0.862 U	11.72	21	60-140	F1
n-Butylbenzene	55.6	0.625 U	19.84	36	60-140	F1
1,2-Dibromo-3-Chloropropane	55.6	2.63 U	13.21	24	60-140	F1
1,2,4-Trichlorobenzene	55.6	2.12 U	11.24	20	60-140	F1
Hexachlorobutadiene	55.6	1.22 U	15.38	28	60-140	F1
Naphthalene	55.6	2.55 U	12.58	23	60-140	F1
1,2,3-Trichlorobenzene	55.6	0.668 U	11.65	21	60-140	F1
Carbon disulfide	55.6	0.592 U	28.02	50	60-140	F1
Acetone	111	4.14 J	21.61	16	60-140	F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32606.D

Lab ID: 600-82738-27 MS Client ID: SB05-5-6-11122013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	52.2	1.61 U	22.08	42	60-140	F1
Chloromethane	52.2	1.74 U	29.66	57	60-140	F1
Vinyl chloride	52.2	0.944 U	28.23	54	60-140	F1
Bromomethane	52.2	0.870 U	29.07	56	60-140	F1
Chloroethane	52.2	1.47 U	26.96	52	60-140	F1
Trichlorofluoromethane	52.2	0.692 U	27.55	53	60-140	F1
1,1-Dichloroethene	52.2	1.28 U	39.31	75	65-135	
trans-1,2-Dichloroethene	52.2	1.20 U	37.82	72	60-140	
Methyl tert-butyl ether	52.2	1.92 U	44.30	85	60-140	
Methylene Chloride	52.2	2.30 U	39.60	76	60-140	
cis-1,2-Dichloroethene	52.2	0.870 U	38.94	75	60-140	
2-Butanone (MEK)	104	1.99 U	309.2	296	60-140	F1
Bromochloromethane	52.2	1.87 U	42.05	81	60-140	
Carbon tetrachloride	52.2	1.18 U	37.80	72	60-140	
Benzene	52.2	0.661 U	39.39	75	65-135	
1,2-Dichloroethane	52.2	0.944 U	51.14	98	60-140	
Trichloroethene	52.2	1.47 U	38.80	74	61-135	
1,1,1-Trichloroethane	52.2	0.776 U	38.16	73	60-140	
1,1-Dichloroethane	52.2	0.912 U	38.81	74	60-140	
1,2-Dichloropropane	52.2	0.744 U	39.01	75	60-140	
2,2-Dichloropropane	52.2	1.91 U	46.49	89	60-140	
Dibromomethane	52.2	0.786 U	51.39	98	60-140	
Chloroform	52.2	0.692 U	39.01	75	60-140	
Bromodichloromethane	52.2	0.692 U	49.84	95	60-140	
2-Chloroethyl vinyl ether	104	1.03 U	203.3	195	60-140	* F1
1,1-Dichloropropene	52.2	0.682 U	42.54	81	60-140	
cis-1,3-Dichloropropene	52.2	0.566 U	66.15	127	60-140	*
Toluene	52.2	1.45 U	60.72	116	64-135	*
trans-1,3-Dichloropropene	52.2	0.608 U	71.73	137	60-140	*
1,1,2-Trichloroethane	52.2	0.765 U	77.06	148	60-140	* F1
Tetrachloroethene	52.2	0.744 U	69.81	134	60-140	*
1,3-Dichloropropane	52.2	0.661 U	77.05	148	60-140	* F1
Chlorodibromomethane	52.2	0.986 U	72.29	138	60-140	*
1,2-Dibromoethane	52.2	1.07 U	84.18	161	60-140	* F1
Chlorobenzene	52.2	1.01 U	62.65	120	65-135	*
1,1,1,2-Tetrachloroethane	52.2	1.47 U	62.20	119	60-140	*
Ethylbenzene	52.2	1.07 U	62.94	121	60-140	*
m-Xylene & p-Xylene	52.2	1.59 U	63.92	122	60-140	*
Xylenes, Total	104	1.18 U	125.1	120	60-140	*
o-Xylene	52.2	1.18 U	61.18	117	60-140	*
Styrene	52.2	0.744 U	63.53	122	60-140	*
Bromoform	52.2	1.44 U	220.6	423	60-140E	* F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32606.D

Lab ID: 600-82738-27 MS Client ID: SB05-5-6-11122013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	52.2	0.965 U	154.3	296	60-140	* F1
Bromobenzene	52.2	1.04 U	153.0	293	60-140	* F1
1,2,3-Trichloropropane	52.2	1.37 U	301.1	577	60-140	E * F1
1,1,2,2-Tetrachloroethane	52.2	0.912 U	129.4	248	60-140	* F1
N-Propylbenzene	52.2	0.996 U	158.0	303	60-140	* F1
2-Chlorotoluene	52.2	0.713 U	153.8	295	60-140	* F1
4-Chlorotoluene	52.2	0.870 U	154.0	295	60-140	* F1
1,3,5-Trimethylbenzene	52.2	1.68 U	154.6	296	60-140	* F1
tert-Butylbenzene	52.2	0.996 U	153.5	294	60-140	* F1
4-Isopropyltoluene	52.2	1.07 U	152.7	292	60-140	* F1
1,2,4-Trimethylbenzene	52.2	0.965 U	153.8	295	60-140	* F1
sec-Butylbenzene	52.2	0.734 U	152.0	291	60-140	* F1
1,3-Dichlorobenzene	52.2	0.744 U	152.8	293	60-140	* F1
1,4-Dichlorobenzene	52.2	0.692 U	153.9	295	60-140	* F1
1,2-Dichlorobenzene	52.2	0.839 U	155.9	299	60-140	* F1
n-Butylbenzene	52.2	0.608 U	154.1	295	60-140	* F1
1,2-Dibromo-3-Chloropropane	52.2	2.56 U	481.9	923	60-140	E * F1
1,2,4-Trichlorobenzene	52.2	2.07 U	164.5	315	60-140	* F1
Hexachlorobutadiene	52.2	1.18 U	163.0	312	60-140	* F1
Naphthalene	52.2	2.53 J	272.7	518	60-140	E * F1
1,2,3-Trichlorobenzene	52.2	0.650 U	174.9	335	60-140	* F1
Carbon disulfide	52.2	0.577 U	38.86	74	60-140	
Acetone	104	45.5	448.1	386	60-140	E F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33006.D

Lab ID: 600-82738-54 MS Client ID: SB09-18-19-11132013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	40100	1300 U	36640	91	60-140	
Chloromethane	40100	1400 U	33140	83	60-140	
Vinyl chloride	40100	760 U	30680	77	60-140	
Bromomethane	40100	2120 J	39460	93	60-140	
Chloroethane	40100	1180 U	35440	88	60-140	
Trichlorofluoromethane	40100	557 U	37010	92	60-140	
1,1-Dichloroethene	40100	1030 U	41620	104	65-135	
trans-1,2-Dichloroethene	40100	963 U	36430	91	60-140	
Methyl tert-butyl ether	40100	1550 U	35490	89	60-140	
Methylene Chloride	40100	1850 U	35390	88	60-140	
cis-1,2-Dichloroethene	40100	701 U	34610	86	60-140	
2-Butanone (MEK)	80100	1600 U	62910	79	60-140	
Bromochloromethane	40100	1500 U	35170	88	60-140	
Carbon tetrachloride	40100	954 U	36890	92	60-140	
Benzene	40100	532 U	33930	85	65-135	
1,2-Dichloroethane	40100	760 U	36330	91	60-140	
Trichloroethene	40100	1180 U	35150	88	61-135	
1,1,1-Trichloroethane	40100	625 U	36080	90	60-140	
1,1-Dichloroethane	40100	735 U	34190	85	60-140	
1,2-Dichloropropane	40100	600 U	33470	84	60-140	
2,2-Dichloropropane	40100	1540 U	37900	95	60-140	
Dibromomethane	40100	633 U	37710	94	60-140	
Chloroform	40100	557 U	35040	87	60-140	
Bromodichloromethane	40100	557 U	35330	88	60-140	
2-Chloroethyl vinyl ether	80100	828 U	13080	16	60-140	F1
1,1-Dichloropropene	40100	549 U	35620	89	60-140	
cis-1,3-Dichloropropene	40100	456 U	35380	88	60-140	
Toluene	40100	1170 U	33930	85	64-135	
trans-1,3-Dichloropropene	40100	490 U	36100	90	60-140	
1,1,2-Trichloroethane	40100	617 U	34740	87	60-140	
Tetrachloroethene	40100	600 U	33920	85	60-140	
1,3-Dichloropropane	40100	532 U	33790	84	60-140	
Chlorodibromomethane	40100	794 U	36610	91	60-140	
1,2-Dibromoethane	40100	861 U	35220	88	60-140	
Chlorobenzene	40100	811 U	34270	86	65-135	
1,1,1,2-Tetrachloroethane	40100	1180 U	35550	89	60-140	
Ethylbenzene	40100	20800	55150	86	60-140	
m-Xylene & p-Xylene	40100	75100	99540	61	60-140	
Xylenes, Total	80100	81400	138900	72	60-140	
o-Xylene	40100	6270	39400	83	60-140	
Styrene	40100	600 U	35740	89	60-140	
Bromoform	40100	1160 U	35270	88	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33006.D

Lab ID: 600-82738-54 MS Client ID: SB09-18-19-11132013MS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	40100	29700	62660	82	60-140	
Bromobenzene	40100	836 U	34480	86	60-140	
1,2,3-Trichloropropane	40100	1110 U	32090	80	60-140	
1,1,2,2-Tetrachloroethane	40100	735 U	29350	73	60-140	
N-Propylbenzene	40100	80600	116000	88	60-140	
2-Chlorotoluene	40100	574 U	33190	83	60-140	
4-Chlorotoluene	40100	701 U	34660	87	60-140	
1,3,5-Trimethylbenzene	40100	83400	115400	80	60-140	
tert-Butylbenzene	40100	47500	32210	-38	60-140	F1
4-Isopropyltoluene	40100	3000 J	34350	78	60-140	
1,2,4-Trimethylbenzene	40100	291000	322100	77	60-140	E 4
sec-Butylbenzene	40100	6210	37420	78	60-140	
1,3-Dichlorobenzene	40100	600 U	32730	82	60-140	
1,4-Dichlorobenzene	40100	557 U	33050	82	60-140	
1,2-Dichlorobenzene	40100	676 U	32380	81	60-140	
n-Butylbenzene	40100	19100	50130	77	60-140	
1,2-Dibromo-3-Chloropropane	40100	2060 U	27330	68	60-140	
1,2,4-Trichlorobenzene	40100	1660 U	29520	74	60-140	
Hexachlorobutadiene	40100	954 U	35840	89	60-140	
Naphthalene	40100	29000	58430	74	60-140	
1,2,3-Trichlorobenzene	40100	524 U	24750	62	60-140	
Acetone	80100	1400 U	61840	77	60-140	
Carbon disulfide	40100	465 U	44070	110	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32407.D

Lab ID: 600-82738-2 MSD Client ID: SB01-2-3-11112013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorodifluoromethane	50.6	52.20	103	5	30	60-140	
Chloromethane	50.6	20.22	40	15	30	60-140	F1
Vinyl chloride	50.6	27.59	54	10	30	60-140	F1
Bromomethane	50.6	17.18	34	1	30	60-140	F1
Chloroethane	50.6	22.40	44	9	30	60-140	F1
Trichlorofluoromethane	50.6	44.94	89	0	30	60-140	
1,1-Dichloroethene	50.6	32.26	64	2	30	65-135	F1
trans-1,2-Dichloroethene	50.6	21.59	43	8	30	60-140	F1
Methyl tert-butyl ether	50.6	14.72	29	12	30	60-140	F1
Methylene Chloride	50.6	25.76	45	4	30	60-140	F1
cis-1,2-Dichloroethene	50.6	15.70	31	14	30	60-140	F1
2-Butanone (MEK)	101	37.50	37	29	30	60-140	F1
Bromochloromethane	50.6	17.70	35	28	30	60-140	F1
Carbon tetrachloride	50.6	32.32	64	2	30	60-140	
Benzene	50.6	19.35	38	3	30	65-135	F1
1,2-Dichloroethane	50.6	15.55	31	15	30	60-140	F1
Trichloroethene	50.6	19.76	39	2	30	61-135	F1
1,1,1-Trichloroethane	50.6	26.25	52	4	30	60-140	F1
1,1-Dichloroethane	50.6	19.43	38	4	30	60-140	F1
1,2-Dichloropropane	50.6	15.70	31	1	30	60-140	F1
2,2-Dichloropropane	50.6	24.40	48	7	30	60-140	F1
Dibromomethane	50.6	14.10	28	10	30	60-140	F1
Chloroform	50.6	17.15	34	1	30	60-140	F1
Bromodichloromethane	50.6	15.10	30	6	30	60-140	F1
2-Chloroethyl vinyl ether	50.6	79.41	157	10	30	60-140	F1
1,1-Dichloropropene	50.6	27.65	55	6	30	60-140	F1
cis-1,3-Dichloropropene	50.6	12.80	25	10	30	60-140	F1
Toluene	50.6	18.32	36	5	30	64-135	F1
trans-1,3-Dichloropropene	50.6	15.27	30	8	30	60-140	F1
1,1,2-Trichloroethane	50.6	15.36 J	30	8	30	60-140	F1
Tetrachloroethene	50.6	24.18	48	11	30	60-140	F1
1,3-Dichloropropane	50.6	14.58	29	18	30	60-140	F1
Chlorodibromomethane	50.6	15.41	30	9	30	60-140	F1
1,2-Dibromoethane	50.6	13.20	26	2	30	60-140	F1
Chlorobenzene	50.6	15.05	30	3	30	65-135	F1
1,1,1,2-Tetrachloroethane	50.6	12.66	25	8	30	60-140	F1
Ethylbenzene	50.6	17.23	34	6	30	60-140	F1
m-Xylene & p-Xylene	101	32.37	32	12	30	60-140	F1
Xylenes, Total	152	46.08	30	11	30	60-140	F1
o-Xylene	50.6	13.71	27	9	30	60-140	F1
Styrene	50.6	13.17	26	8	30	60-140	F1
Bromoform	50.6	12.17	24	3	30	60-140	F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E32407.D

Lab ID: 600-82738-2 MSD Client ID: SB01-2-3-11112013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Isopropylbenzene	50.6	16.78	33	20	30	60-140	F1
Bromobenzene	50.6	13.05	26	6	30	60-140	F1
1,2,3-Trichloropropane	50.6	23.23	46	13	30	60-140	F1
1,1,2,2-Tetrachloroethane	50.6	14.51	29	NC	30	60-140	F1
N-Propylbenzene	50.6	16.65	33	23	30	60-140	F1
2-Chlorotoluene	50.6	12.44	25	15	30	60-140	F1
4-Chlorotoluene	50.6	12.25	24	27	30	60-140	F1
1,3,5-Trimethylbenzene	50.6	13.67	27	24	30	60-140	F1
tert-Butylbenzene	50.6	15.20	30	28	30	60-140	F1
4-Isopropyltoluene	50.6	16.23	32	29	30	60-140	F1
1,2,4-Trimethylbenzene	50.6	12.58	25	21	30	60-140	F1
sec-Butylbenzene	50.6	15.48	31	33	30	60-140	F1 F2
1,3-Dichlorobenzene	50.6	11.25	22	11	30	60-140	F1
1,4-Dichlorobenzene	50.6	10.46	21	23	30	60-140	F1
1,2-Dichlorobenzene	50.6	11.39	23	3	30	60-140	F1
n-Butylbenzene	50.6	14.24	28	33	30	60-140	F1 F2
1,2-Dibromo-3-Chloropropane	50.6	15.56	31	16	30	60-140	F1
1,2,4-Trichlorobenzene	50.6	7.683	15	38	30	60-140	F1 F2
Hexachlorobutadiene	50.6	11.24	22	31	30	60-140	F1 F2
Naphthalene	50.6	11.44	23	10	30	60-140	F1
1,2,3-Trichlorobenzene	50.6	8.487	17	31	30	60-140	F1 F2
Carbon disulfide	50.6	24.69	49	13	30	60-140	F1
Acetone	101	29.37	25	30	30	60-140	F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32607.D

Lab ID: 600-82738-27MSD Client ID: SB05-5-6-11122013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorodifluoromethane	56.0	1.72 U	0	NC	30	60-140	F1
Chloromethane	56.0	1.86 U	0	NC	30	60-140	F1
Vinyl chloride	56.0	1.01 U	0	NC	30	60-140	F1
Bromomethane	56.0	0.929 U	0	NC	30	60-140	F1
Chloroethane	56.0	1.57 U	0	NC	30	60-140	F1
Trichlorofluoromethane	56.0	0.739 U	0	NC	30	60-140	F1
1,1-Dichloroethene	56.0	35.23	63	11	30	65-135	F1
trans-1,2-Dichloroethene	56.0	33.64	60	12	30	60-140	
Methyl tert-butyl ether	56.0	39.60	71	11	30	60-140	
Methylene Chloride	56.0	34.31	53	14	30	60-140	F1
cis-1,2-Dichloroethene	56.0	35.31	63	10	30	60-140	
2-Butanone (MEK)	112	291.9	261	6	30	60-140	F1
Bromochloromethane	56.0	38.32	68	9	30	60-140	
Carbon tetrachloride	56.0	35.90	64	5	30	60-140	
Benzene	56.0	36.92	66	6	30	65-135	
1,2-Dichloroethane	56.0	45.75	82	11	30	60-140	
Trichloroethene	56.0	35.54	64	9	30	61-135	
1,1,1-Trichloroethane	56.0	34.55	62	10	30	60-140	
1,1-Dichloroethane	56.0	35.02	63	10	30	60-140	
1,2-Dichloropropane	56.0	36.15	65	8	30	60-140	
2,2-Dichloropropane	56.0	43.19	77	7	30	60-140	
Dibromomethane	56.0	47.53	85	8	30	60-140	
Chloroform	56.0	35.18	63	10	30	60-140	
Bromodichloromethane	56.0	46.71	83	6	30	60-140	
2-Chloroethyl vinyl ether	112	132.4	118	42	30	60-140	F2
1,1-Dichloropropene	56.0	37.69	67	12	30	60-140	
cis-1,3-Dichloropropene	56.0	41.64	74	45	30	60-140	F2
Toluene	56.0	38.74	69	44	30	64-135	F2
trans-1,3-Dichloropropene	56.0	46.18	83	43	30	60-140	F2
1,1,2-Trichloroethane	56.0	49.90	89	43	30	60-140	F2
Tetrachloroethene	56.0	32.45	58	73	30	60-140	F1 F2
1,3-Dichloropropane	56.0	48.47	87	46	30	60-140	F2
Chlorodibromomethane	56.0	46.22	83	44	30	60-140	F2
1,2-Dibromoethane	56.0	54.83	98	42	30	60-140	F2
Chlorobenzene	56.0	38.89	69	47	30	65-135	F2
1,1,1,2-Tetrachloroethane	56.0	39.81	71	44	30	60-140	F2
Ethylbenzene	56.0	39.89	71	45	30	60-140	F2
m-Xylene & p-Xylene	56.0	40.26	72	45	30	60-140	F2
Xylenes, Total	112	79.02	71	45	30	60-140	F2
o-Xylene	56.0	38.76	69	45	30	60-140	F2
Styrene	56.0	39.90	71	46	30	60-140	F2
Bromoform	56.0	92.18	165	82	30	60-140	F1 F2

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: k32607.D

Lab ID: 600-82738-27MSD Client ID: SB05-5-6-11122013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Isopropylbenzene	56.0	62.98	113	84	30	60-140	F2
Bromobenzene	56.0	62.64	112	84	30	60-140	F2
1,2,3-Trichloropropane	56.0	127.6	228	81	30	60-140	F1 F2
1,1,2,2-Tetrachloroethane	56.0	85.72	153	41	30	60-140	F1 F2
N-Propylbenzene	56.0	64.62	115	84	30	60-140	F2
2-Chlorotoluene	56.0	61.06	109	86	30	60-140	F2
4-Chlorotoluene	56.0	62.60	112	84	30	60-140	F2
1,3,5-Trimethylbenzene	56.0	63.31	113	84	30	60-140	F2
tert-Butylbenzene	56.0	62.27	111	85	30	60-140	F2
4-Isopropyltoluene	56.0	62.19	111	84	30	60-140	F2
1,2,4-Trimethylbenzene	56.0	63.08	113	84	30	60-140	F2
sec-Butylbenzene	56.0	62.80	112	83	30	60-140	F2
1,3-Dichlorobenzene	56.0	62.14	111	84	30	60-140	F2
1,4-Dichlorobenzene	56.0	62.66	112	84	30	60-140	F2
1,2-Dichlorobenzene	56.0	63.96	114	84	30	60-140	F2
n-Butylbenzene	56.0	62.63	112	84	30	60-140	F2
1,2-Dibromo-3-Chloropropane	56.0	212.0	379	78	30	60-140	F1 F2
1,2,4-Trichlorobenzene	56.0	63.78	114	88	30	60-140	F2
Hexachlorobutadiene	56.0	59.49	106	93	30	60-140	F2
Naphthalene	56.0	111.5	187	84	30	60-140	F1 F2
1,2,3-Trichlorobenzene	56.0	68.11	122	88	30	60-140	F2
Carbon disulfide	56.0	36.85	66	5	30	60-140	
Acetone	112	406.2	333	10	30	60-140	F1

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33007.D

Lab ID: 600-82738-54 MSD Client ID: SB09-18-19-11132013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorodifluoromethane	38400	35780	93	2	30	60-140	
Chloromethane	38400	33750	88	2	30	60-140	
Vinyl chloride	38400	29720	77	3	30	60-140	
Bromomethane	38400	40550	100	3	30	60-140	
Chloroethane	38400	34600	90	2	30	60-140	
Trichlorofluoromethane	38400	36250	94	2	30	60-140	
1,1-Dichloroethene	38400	41320	108	1	30	65-135	
trans-1,2-Dichloroethene	38400	37020	96	2	30	60-140	
Methyl tert-butyl ether	38400	35270	92	1	30	60-140	
Methylene Chloride	38400	35960	94	2	30	60-140	
cis-1,2-Dichloroethene	38400	35180	92	2	30	60-140	
2-Butanone (MEK)	76800	63230	82	0	30	60-140	
Bromochloromethane	38400	34800	91	1	30	60-140	
Carbon tetrachloride	38400	36750	96	0	30	60-140	
Benzene	38400	34500	90	2	30	65-135	
1,2-Dichloroethane	38400	36460	95	0	30	60-140	
Trichloroethene	38400	35530	93	1	30	61-135	
1,1,1-Trichloroethane	38400	36080	94	0	30	60-140	
1,1-Dichloroethane	38400	34780	91	2	30	60-140	
1,2-Dichloropropane	38400	33730	88	1	30	60-140	
2,2-Dichloropropane	38400	37920	99	0	30	60-140	
Dibromomethane	38400	37570	98	0	30	60-140	
Chloroform	38400	35680	93	2	30	60-140	
Bromodichloromethane	38400	35950	94	2	30	60-140	
2-Chloroethyl vinyl ether	76800	13070	17	0	30	60-140	F1
1,1-Dichloropropene	38400	34930	91	2	30	60-140	
cis-1,3-Dichloropropene	38400	35270	92	0	30	60-140	
Toluene	38400	33850	88	0	30	64-135	
trans-1,3-Dichloropropene	38400	36170	94	0	30	60-140	
1,1,2-Trichloroethane	38400	34130	89	2	30	60-140	
Tetrachloroethene	38400	35390	92	4	30	60-140	
1,3-Dichloropropane	38400	33570	87	1	30	60-140	
Chlorodibromomethane	38400	36550	95	0	30	60-140	
1,2-Dibromoethane	38400	34760	91	1	30	60-140	
Chlorobenzene	38400	34360	89	0	30	65-135	
1,1,1,2-Tetrachloroethane	38400	35590	93	0	30	60-140	
Ethylbenzene	38400	53380	85	3	30	60-140	
m-Xylene & p-Xylene	38400	93470	48	6	30	60-140	F1
Xylenes, Total	76800	132600	67	5	30	60-140	
o-Xylene	38400	39170	86	1	30	60-140	
Styrene	38400	35850	93	0	30	60-140	
Bromoform	38400	35680	93	1	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: J33007.D

Lab ID: 600-82738-54 MSD Client ID: SB09-18-19-11132013MSD MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Isopropylbenzene	38400	61810	84	1	30	60-140	
Bromobenzene	38400	35070	91	2	30	60-140	
1,2,3-Trichloropropane	38400	32240	84	0	30	60-140	
1,1,2,2-Tetrachloroethane	38400	30620	80	4	30	60-140	
N-Propylbenzene	38400	112100	82	3	30	60-140	
2-Chlorotoluene	38400	33870	88	2	30	60-140	
4-Chlorotoluene	38400	35250	92	2	30	60-140	
1,3,5-Trimethylbenzene	38400	111800	74	3	30	60-140	
tert-Butylbenzene	38400	33270	-37	3	30	60-140	F1
4-Isopropyltoluene	38400	35280	84	3	30	60-140	
1,2,4-Trimethylbenzene	38400	311600	52	3	30	60-140	E 4
sec-Butylbenzene	38400	38500	84	3	30	60-140	
1,3-Dichlorobenzene	38400	33740	88	3	30	60-140	
1,4-Dichlorobenzene	38400	34040	89	3	30	60-140	
1,2-Dichlorobenzene	38400	33380	87	3	30	60-140	
n-Butylbenzene	38400	50570	82	1	30	60-140	
1,2-Dibromo-3-Chloropropane	38400	30870	80	12	30	60-140	
1,2,4-Trichlorobenzene	38400	31350	82	6	30	60-140	
Hexachlorobutadiene	38400	36910	96	3	30	60-140	
Naphthalene	38400	62090	86	6	30	60-140	
1,2,3-Trichlorobenzene	38400	29150	76	16	30	60-140	
Acetone	76800	63840	83	3	30	60-140	
Carbon disulfide	38400	44040	115	0	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E32404.D Lab Sample ID: MB 600-121113/4

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VOAMS04 Date Analyzed: 11/20/2013 12:42

GC Column: DB-624_60 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121113/3	E32402.D	11/20/2013 11:45
SB01-2-3-11112013	600-82738-2	E32405.D	11/20/2013 13:11
SB01-2-3-11112013MS MS	600-82738-2 MS	E32406.D	11/20/2013 13:40
SB01-2-3-11112013MSD MSD	600-82738-2 MSD	E32407.D	11/20/2013 14:09
SB01-5-6-11112013	600-82738-3	E32408.D	11/20/2013 14:37
SB01-15-16-11112013	600-82738-4	E32409.D	11/20/2013 15:06
	LCSD 600-121113/10	E32410.D	11/20/2013 15:35
SB01-20-21-11112013	600-82738-5	E32411.D	11/20/2013 16:04
SB01-24-25-11112013	600-82738-6	E32412.D	11/20/2013 16:33
SB02-2-3-11112013	600-82738-7	E32413.D	11/20/2013 17:01
SB02-5-6-11112013	600-82738-8	E32414.D	11/20/2013 17:30
SB02-12-13-11112013	600-82738-9	E32415.D	11/20/2013 17:59
SB02-24-25-11112013	600-82738-11	E32416.D	11/20/2013 18:28
FD02-24-25-11112013	600-82738-12	E32417.D	11/20/2013 18:56
SB03-2-3-11112013	600-82738-14	E32418.D	11/20/2013 19:25
SB03-5-6-11112013	600-82738-15	E32419.D	11/20/2013 19:54
SB04-2-3-11122013	600-82738-20	E32420.D	11/20/2013 20:23
SB03-24-25-11112013	600-82738-18	E32421.D	11/20/2013 20:52
SB04-5-6-11122013	600-82738-21	E32422.D	11/20/2013 21:20
SB02-18-19-11112013	600-82738-10	E32423.D	11/20/2013 21:49
SB03-15-16-11112013	600-82738-16	E32424.D	11/20/2013 22:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E32505.D Lab Sample ID: MB 600-121230/5

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VOAMS04 Date Analyzed: 11/21/2013 15:38

GC Column: DB-624_60 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121230/3	E32502.D	11/21/2013 14:10
	LCSD 600-121230/4	E32503.D	11/21/2013 14:39
SB04-15-16-11122013	600-82738-22	E32509.D	11/21/2013 17:34
SB04-20-21-11122013	600-82738-23	E32510.D	11/21/2013 18:03
FD04-20-21-11122013	600-82738-24	E32511.D	11/21/2013 18:33
SB04-29-30-11122013	600-82738-25	E32512.D	11/21/2013 19:02
SB05-2-3-11122013	600-82738-26	E32513.D	11/21/2013 19:31

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32504.D Lab Sample ID: MB 600-121151/4

Matrix: Solid Heated Purge: (Y/N) Y

Instrument ID: VOAMS09 Date Analyzed: 11/21/2013 11:28

GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121151/3	k32502.D	11/21/2013 10:39
FD10-29-30-11132013	600-82738-61	k32505.D	11/21/2013 12:04
SB10-29-30-11132013	600-82738-60	k32506.D	11/21/2013 12:29
SB10-20-21-11132013	600-82738-59	k32510.D	11/21/2013 14:03
SB10-15-16-11132013	600-82738-58	k32511.D	11/21/2013 14:28
FD08-5-6-11132013	600-82738-47	k32512.D	11/21/2013 14:52
SB08-24-25-11132013	600-82738-50	k32513.D	11/21/2013 15:16
SB10-2-3-11132013	600-82738-56	k32514.D	11/21/2013 15:39
SB09-2-3-11132013	600-82738-51	k32515.D	11/21/2013 16:03
SB09-5-6-11132013	600-82738-52	k32516.D	11/21/2013 16:27
SB06-21-22-11122013	600-82738-36	k32517.D	11/21/2013 16:51
FD06-21-22-11122013	600-82738-37	k32518.D	11/21/2013 17:15
SB07-2-3-11122013	600-82738-39	k32519.D	11/21/2013 17:38
SB07-5-6-11122013	600-82738-40	k32520.D	11/21/2013 18:02
SB07-14-15-11122013	600-82738-41	k32521.D	11/21/2013 18:26
SB07-29-30-11122013	600-82738-43	k32523.D	11/21/2013 19:14

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32604.D Lab Sample ID: MB 600-121251/4

Matrix: Solid Heated Purge: (Y/N) Y

Instrument ID: VOAMS09 Date Analyzed: 11/22/2013 12:08

GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121251/3	k32602.D	11/22/2013 10:51
SB05-5-6-11122013MS MS	600-82738-27 MS	k32606.D	11/22/2013 12:56
SB05-5-6-11122013MSD MSD	600-82738-27MSD	k32607.D	11/22/2013 13:20
SB05-18-19-11122013	600-82738-29	k32609.D	11/22/2013 14:08
	LCSD 600-121251/6	k32610.D	11/22/2013 14:32
SB05-25-26-11122013	600-82738-30	k32613.D	11/22/2013 16:36
SB05-5-6-11122013	600-82738-27	k32615.D	11/22/2013 17:25
SB06-11-12-11122013	600-82738-34	k32619.D	11/22/2013 19:04
SB06-16-17-11122013	600-82738-35	k32620.D	11/22/2013 19:28
SB08-2-3-11132013	600-82738-45	k32621.D	11/22/2013 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32810.D Lab Sample ID: MB 600-121357/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VOAMS09 Date Analyzed: 11/24/2013 15:59

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121357/9	k32811.D	11/24/2013 16:38
	LCSD 600-121357/11	k32814.D	11/24/2013 18:15
SB05-11-12-11122013	600-82738-28	k32816.D	11/24/2013 19:03
SB06-2-3-11122013	600-82738-32	k32817.D	11/24/2013 19:27
SB06-5-6-11122013	600-82738-33	k32818.D	11/24/2013 19:51
SB08-5-6-11132013	600-82738-46	k32819.D	11/24/2013 20:16

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: J33004.D Lab Sample ID: MB 600-121548/2-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: VOAMS06 Date Analyzed: 11/26/2013 12:25

GC Column: DB-VRX ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121548/1-A	J33002.D	11/26/2013 11:38
SB09-18-19-11132013	600-82738-54	J33005.D	11/26/2013 12:49
SB09-18-19-11132013MS MS	600-82738-54 MS	J33006.D	11/26/2013 13:12
SB09-18-19-11132013MSD MSD	600-82738-54 MSD	J33007.D	11/26/2013 13:36
SB08-19-20-11132013	600-82738-49	J33016.D	11/26/2013 17:15
SB09-16-17-11132013	600-82738-53	J33017.D	11/26/2013 17:39
SB08-16-17-11132013	600-82738-48	J33018.D	11/26/2013 18:03
SB09-20-21-11132013	600-82738-55	J33019.D	11/26/2013 18:26
SB03-18-19-11112013	600-82738-17	J33020.D	11/26/2013 18:50
SB07-20-21-11122013	600-82738-42	J33021.D	11/26/2013 19:14

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E33004.D Lab Sample ID: MB 600-121704/4

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VOAMS04 Date Analyzed: 11/26/2013 15:54

GC Column: DB-624_60 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-121704/3	E33002.D	11/26/2013 14:56
	LCSD 600-121704/5	E33005.D	11/26/2013 16:22
SB10-5-6-11132013	600-82738-57	E33012.D	11/26/2013 19:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E22100.D BFB Injection Date: 11/17/2013

Instrument ID: VOAMS04 BFB Injection Time: 09:50

Analysis Batch No.: 120748

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.1	
75	30.0 - 60.0 % of mass 95	57.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	62.9	
175	5.0 - 9.0 % of mass 174	4.1	(6.5)1
176	95.0 - 101.0 % of mass 174	60.2	(95.7)1
177	5.0 - 9.0 % of mass 176	4.0	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-120748/2	E22102.D	11/17/2013	10:47
	IC 600-120748/3	E22103.D	11/17/2013	11:16
	IC 600-120748/4	E22104.D	11/17/2013	11:45
	ICIS 600-120748/5	E22105.D	11/17/2013	12:14
	IC 600-120748/6	E22106.D	11/17/2013	12:40
	IC 600-120748/7	E22107.D	11/17/2013	13:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E32400.D BFB Injection Date: 11/20/2013

Instrument ID: VOAMS04 BFB Injection Time: 10:40

Analysis Batch No.: 121113

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	57.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	65.6	
175	5.0 - 9.0 % of mass 174	3.5	(5.3)1
176	95.0 - 101.0 % of mass 174	65.5	(99.9)1
177	5.0 - 9.0 % of mass 176	4.3	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121113/2	E32401.D	11/20/2013	11:06
	LCS 600-121113/3	E32402.D	11/20/2013	11:45
	MB 600-121113/4	E32404.D	11/20/2013	12:42
SB01-2-3-11112013	600-82738-2	E32405.D	11/20/2013	13:11
SB01-2-3-11112013MS MS	600-82738-2 MS	E32406.D	11/20/2013	13:40
SB01-2-3-11112013MSD MSD	600-82738-2 MSD	E32407.D	11/20/2013	14:09
SB01-5-6-11112013	600-82738-3	E32408.D	11/20/2013	14:37
SB01-15-16-11112013	600-82738-4	E32409.D	11/20/2013	15:06
	LCSD 600-121113/10	E32410.D	11/20/2013	15:35
SB01-20-21-11112013	600-82738-5	E32411.D	11/20/2013	16:04
SB01-24-25-11112013	600-82738-6	E32412.D	11/20/2013	16:33
SB02-2-3-11112013	600-82738-7	E32413.D	11/20/2013	17:01
SB02-5-6-11112013	600-82738-8	E32414.D	11/20/2013	17:30
SB02-12-13-11112013	600-82738-9	E32415.D	11/20/2013	17:59
SB02-24-25-11112013	600-82738-11	E32416.D	11/20/2013	18:28
FD02-24-25-11112013	600-82738-12	E32417.D	11/20/2013	18:56
SB03-2-3-11112013	600-82738-14	E32418.D	11/20/2013	19:25
SB03-5-6-11112013	600-82738-15	E32419.D	11/20/2013	19:54
SB04-2-3-11122013	600-82738-20	E32420.D	11/20/2013	20:23
SB03-24-25-11112013	600-82738-18	E32421.D	11/20/2013	20:52
SB04-5-6-11122013	600-82738-21	E32422.D	11/20/2013	21:20
SB02-18-19-11112013	600-82738-10	E32423.D	11/20/2013	21:49
SB03-15-16-11112013	600-82738-16	E32424.D	11/20/2013	22:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E32500.D BFB Injection Date: 11/21/2013

Instrument ID: VOAMS04 BFB Injection Time: 13:07

Analysis Batch No.: 121230

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.5	
75	30.0 - 60.0 % of mass 95	55.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	61.8	
175	5.0 - 9.0 % of mass 174	4.7	(7.6)1
176	95.0 - 101.0 % of mass 174	59.1	(95.6)1
177	5.0 - 9.0 % of mass 176	3.4	(5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121230/2	E32501.D	11/21/2013	13:32
	LCS 600-121230/3	E32502.D	11/21/2013	14:10
	LCSD 600-121230/4	E32503.D	11/21/2013	14:39
	MB 600-121230/5	E32505.D	11/21/2013	15:38
SB04-15-16-11122013	600-82738-22	E32509.D	11/21/2013	17:34
SB04-20-21-11122013	600-82738-23	E32510.D	11/21/2013	18:03
FD04-20-21-11122013	600-82738-24	E32511.D	11/21/2013	18:33
SB04-29-30-11122013	600-82738-25	E32512.D	11/21/2013	19:02
SB05-2-3-11122013	600-82738-26	E32513.D	11/21/2013	19:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: E33000.D BFB Injection Date: 11/26/2013

Instrument ID: VOAMS04 BFB Injection Time: 12:19

Analysis Batch No.: 121704

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.6	
75	30.0 - 60.0 % of mass 95	57.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	60.8	
175	5.0 - 9.0 % of mass 174	4.3	(7.1)1
176	95.0 - 101.0 % of mass 174	58.0	(95.3)1
177	5.0 - 9.0 % of mass 176	4.1	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121704/2	E33001.D	11/26/2013	14:18
	LCS 600-121704/3	E33002.D	11/26/2013	14:56
	MB 600-121704/4	E33004.D	11/26/2013	15:54
	LCSD 600-121704/5	E33005.D	11/26/2013	16:22
SB10-5-6-11132013	600-82738-57	E33012.D	11/26/2013	19:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: J32900.D BFB Injection Date: 11/25/2013

Instrument ID: VOAMS06 BFB Injection Time: 09:40

Analysis Batch No.: 121433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	84.5	
175	5.0 - 9.0 % of mass 174	6.4	(7.6)1
176	95.0 - 101.0 % of mass 174	82.6	(97.8)1
177	5.0 - 9.0 % of mass 176	5.2	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-121433/2	J32902.D	11/25/2013	10:32
	IC 600-121433/3	J32903.D	11/25/2013	10:56
	IC 600-121433/4	J32904.D	11/25/2013	11:21
	ICIS 600-121433/5	J32905.D	11/25/2013	11:45
	IC 600-121433/6	J32906.D	11/25/2013	12:09
	IC 600-121433/7	J32907.D	11/25/2013	12:33

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: J33000.D BFB Injection Date: 11/26/2013

Instrument ID: VOAMS06 BFB Injection Time: 10:24

Analysis Batch No.: 121549

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	84.1	
175	5.0 - 9.0 % of mass 174	6.2	(7.3)1
176	95.0 - 101.0 % of mass 174	81.8	(97.3)1
177	5.0 - 9.0 % of mass 176	5.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121549/2	J33001.D	11/26/2013	11:14
	LCS 600-121548/1-A	J33002.D	11/26/2013	11:38
	MB 600-121548/2-A	J33004.D	11/26/2013	12:25
SB09-18-19-11132013	600-82738-54	J33005.D	11/26/2013	12:49
SB09-18-19-11132013MS MS	600-82738-54 MS	J33006.D	11/26/2013	13:12
SB09-18-19-11132013MSD MSD	600-82738-54 MSD	J33007.D	11/26/2013	13:36
SB08-19-20-11132013	600-82738-49	J33016.D	11/26/2013	17:15
SB09-16-17-11132013	600-82738-53	J33017.D	11/26/2013	17:39
SB08-16-17-11132013	600-82738-48	J33018.D	11/26/2013	18:03
SB09-20-21-11132013	600-82738-55	J33019.D	11/26/2013	18:26
SB03-18-19-11112013	600-82738-17	J33020.D	11/26/2013	18:50
SB07-20-21-11122013	600-82738-42	J33021.D	11/26/2013	19:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: T33200.D BFB Injection Date: 11/28/2013

Instrument ID: VOAMS06 BFB Injection Time: 11:31

Analysis Batch No.: 121793

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	49.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	88.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.3)1
176	95.0 - 101.0 % of mass 174	83.9	(95.4)1
177	5.0 - 9.0 % of mass 176	5.4	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121793/2	T33201.D	11/28/2013	11:57
SB08-16-17-11132013	600-82738-48	T33214.D	11/28/2013	17:37
SB09-16-17-11132013	600-82738-53	T33215.D	11/28/2013	18:01
SB07-20-21-11122013	600-82738-42	T33216.D	11/28/2013	18:25

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: L32200.D BFB Injection Date: 11/18/2013

Instrument ID: VOAMS09 BFB Injection Time: 14:26

Analysis Batch No.: 120849

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	45.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	88.5	
175	5.0 - 9.0 % of mass 174	6.2	(7.0)1
176	95.0 - 101.0 % of mass 174	84.3	(95.2)1
177	5.0 - 9.0 % of mass 176	5.7	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-120849/2	L32202.D	11/18/2013	15:40
	IC 600-120849/3	L32203.D	11/18/2013	16:04
	IC 600-120849/4	L32204.D	11/18/2013	16:28
	ICIS 600-120849/5	L32205.D	11/18/2013	16:53
	IC 600-120849/6	L32206.D	11/18/2013	17:17
	IC 600-120849/7	L32207.D	11/18/2013	17:40

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32500.D BFB Injection Date: 11/21/2013

Instrument ID: VOAMS09 BFB Injection Time: 08:22

Analysis Batch No.: 121151

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.0	
75	30.0 - 60.0 % of mass 95	51.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.2	(1.3)1
174	50.0 - 120.00 % of mass 95	88.6	
175	5.0 - 9.0 % of mass 174	6.7	(7.6)1
176	95.0 - 101.0 % of mass 174	84.9	(95.8)1
177	5.0 - 9.0 % of mass 176	5.5	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121151/2	k32501.D	11/21/2013	09:50
	LCS 600-121151/3	k32502.D	11/21/2013	10:39
	MB 600-121151/4	k32504.D	11/21/2013	11:28
FD10-29-30-11132013	600-82738-61	k32505.D	11/21/2013	12:04
SB10-29-30-11132013	600-82738-60	k32506.D	11/21/2013	12:29
SB10-20-21-11132013	600-82738-59	k32510.D	11/21/2013	14:03
SB10-15-16-11132013	600-82738-58	k32511.D	11/21/2013	14:28
FD08-5-6-11132013	600-82738-47	k32512.D	11/21/2013	14:52
SB08-24-25-11132013	600-82738-50	k32513.D	11/21/2013	15:16
SB10-2-3-11132013	600-82738-56	k32514.D	11/21/2013	15:39
SB09-2-3-11132013	600-82738-51	k32515.D	11/21/2013	16:03
SB09-5-6-11132013	600-82738-52	k32516.D	11/21/2013	16:27
SB06-21-22-11122013	600-82738-36	k32517.D	11/21/2013	16:51
FD06-21-22-11122013	600-82738-37	k32518.D	11/21/2013	17:15
SB07-2-3-11122013	600-82738-39	k32519.D	11/21/2013	17:38
SB07-5-6-11122013	600-82738-40	k32520.D	11/21/2013	18:02
SB07-14-15-11122013	600-82738-41	k32521.D	11/21/2013	18:26
SB07-20-21-11122013	600-82738-42	k32522.D	11/21/2013	18:49
SB07-29-30-11122013	600-82738-43	k32523.D	11/21/2013	19:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32600.D BFB Injection Date: 11/22/2013

Instrument ID: VOAMS09 BFB Injection Time: 08:09

Analysis Batch No.: 121251

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	84.8	
175	5.0 - 9.0 % of mass 174	7.4	(8.7)1
176	95.0 - 101.0 % of mass 174	83.9	(98.9)1
177	5.0 - 9.0 % of mass 176	4.7	(5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-121251/2	k32601.D	11/22/2013	09:43
	LCS 600-121251/3	k32602.D	11/22/2013	10:51
	MB 600-121251/4	k32604.D	11/22/2013	12:08
SB05-5-6-11122013MS MS	600-82738-27 MS	k32606.D	11/22/2013	12:56
SB05-5-6-11122013MSD MSD	600-82738-27MSD MSD	k32607.D	11/22/2013	13:20
SB05-18-19-11122013	600-82738-29	k32609.D	11/22/2013	14:08
	LCSD 600-121251/6	k32610.D	11/22/2013	14:32
SB05-25-26-11122013	600-82738-30	k32613.D	11/22/2013	16:36
SB05-5-6-11122013	600-82738-27	k32615.D	11/22/2013	17:25
SB06-11-12-11122013	600-82738-34	k32619.D	11/22/2013	19:04
SB06-16-17-11122013	600-82738-35	k32620.D	11/22/2013	19:28
SB08-2-3-11132013	600-82738-45	k32621.D	11/22/2013	19:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: k32800.D BFB Injection Date: 11/24/2013

Instrument ID: VOAMS09 BFB Injection Time: 10:08

Analysis Batch No.: 121357

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	43.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	78.8	
175	5.0 - 9.0 % of mass 174	5.8	(7.4)1
176	95.0 - 101.0 % of mass 174	76.7	(97.3)1
177	5.0 - 9.0 % of mass 176	4.8	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-121357/2	k32802.D	11/24/2013	11:39
	IC 600-121357/3	k32803.D	11/24/2013	12:04
	IC 600-121357/4	k32804.D	11/24/2013	12:28
	ICIS 600-121357/5	k32805.D	11/24/2013	12:53
	IC 600-121357/6	k32806.D	11/24/2013	13:23
	IC 600-121357/7	k32807.D	11/24/2013	13:47
	MB 600-121357/8	k32810.D	11/24/2013	15:59
	LCS 600-121357/9	k32811.D	11/24/2013	16:38
	LCSD 600-121357/11	k32814.D	11/24/2013	18:15
SB05-11-12-11122013	600-82738-28	k32816.D	11/24/2013	19:03
SB06-2-3-11122013	600-82738-32	k32817.D	11/24/2013	19:27
SB06-5-6-11122013	600-82738-33	k32818.D	11/24/2013	19:51
SB08-5-6-11132013	600-82738-46	k32819.D	11/24/2013	20:16

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121113/2 Date Analyzed: 11/20/2013 11:06

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E32401.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		PFB		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		165286	7.95	263729	8.71	213700	11.86
UPPER LIMIT		330572	8.45	527458	9.21	427400	12.36
LOWER LIMIT		82643	7.45	131865	8.21	106850	11.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121113/3		163675	7.95	255696	8.72	201317	11.86
MB 600-121113/4		152964	7.95	241620	8.71	181457	11.85
600-82738-2	SB01-2-3-11112013	157376	7.95	248532	8.72	200870	11.86
600-82738-2 MS	SB01-2-3-11112013MS MS	152238	7.95	243675	8.72	195892	11.85
600-82738-2 MSD	SB01-2-3-11112013MSD MSD	158305	7.96	247495	8.71	194304	11.85
600-82738-3	SB01-5-6-11112013	141635	7.95	233062	8.72	181215	11.86
600-82738-4	SB01-15-16-11112013	153362	7.96	239700	8.72	191033	11.86
LCSD 600-121113/10		164172	7.95	249802	8.72	207129	11.85
600-82738-5	SB01-20-21-11112013	149828	7.96	237565	8.72	191475	11.85
600-82738-6	SB01-24-25-11112013	156783	7.96	248762	8.71	193159	11.85
600-82738-7	SB02-2-3-11112013	141093	7.96	222392	8.72	180883	11.85
600-82738-8	SB02-5-6-11112013	137780	7.95	220931	8.72	173899	11.86
600-82738-9	SB02-12-13-11112013	151403	7.95	234491	8.72	196440	11.86
600-82738-11	SB02-24-25-11112013	140639	7.95	228019	8.72	180531	11.86
600-82738-12	FD02-24-25-11112013	156016	7.96	242980	8.72	194914	11.86
600-82738-14	SB03-2-3-11112013	142228	7.96	225928	8.72	181755	11.85
600-82738-15	SB03-5-6-11112013	145120	7.95	229209	8.72	184724	11.86
600-82738-20	SB04-2-3-11122013	142158	7.95	227640	8.72	177371	11.86
600-82738-18	SB03-24-25-11112013	153249	7.95	247694	8.71	189859	11.85
600-82738-21	SB04-5-6-11122013	139639	7.96	223138	8.72	172150	11.86
600-82738-10	SB02-18-19-11112013	146394	7.95	232406	8.72	180190	11.86
600-82738-16	SB03-15-16-11112013	136553	7.95	219709	8.72	177226	11.85

PFB = Pentafluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121113/2 Date Analyzed: 11/20/2013 11:06

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E32401.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		93057	14.62				
UPPER LIMIT		186114	15.12				
LOWER LIMIT		46529	14.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121113/3		93510	14.62				
MB 600-121113/4		77530	14.62				
600-82738-2	SB01-2-3-11112013	95519	14.62				
600-82738-2 MS	SB01-2-3-11112013MS MS	95406	14.62				
600-82738-2 MSD	SB01-2-3-11112013MSD MSD	100758	14.62				
600-82738-3	SB01-5-6-11112013	85523	14.62				
600-82738-4	SB01-15-16-11112013	92327	14.62				
LCSD 600-121113/10		94884	14.62				
600-82738-5	SB01-20-21-11112013	90493	14.62				
600-82738-6	SB01-24-25-11112013	91262	14.62				
600-82738-7	SB02-2-3-11112013	80800	14.62				
600-82738-8	SB02-5-6-11112013	84594	14.62				
600-82738-9	SB02-12-13-11112013	91128	14.62				
600-82738-11	SB02-24-25-11112013	88648	14.62				
600-82738-12	FD02-24-25-11112013	94030	14.62				
600-82738-14	SB03-2-3-11112013	86287	14.62				
600-82738-15	SB03-5-6-11112013	87348	14.62				
600-82738-20	SB04-2-3-11122013	85355	14.62				
600-82738-18	SB03-24-25-11112013	95581	14.62				
600-82738-21	SB04-5-6-11122013	83951	14.63				
600-82738-10	SB02-18-19-11112013	95416	14.62				
600-82738-16	SB03-15-16-11112013	84265	14.63				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121230/2 Date Analyzed: 11/21/2013 13:32

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E32501.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		PFB		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		160902	7.95	253952	8.71	210131	11.86
UPPER LIMIT		321804	8.45	507904	9.21	420262	12.36
LOWER LIMIT		80451	7.45	126976	8.21	105066	11.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121230/3		167774	7.95	260140	8.72	204446	11.85
LCSD 600-121230/4		164696	7.95	262263	8.71	210022	11.85
MB 600-121230/5		162432	7.95	247695	8.72	192212	11.86
600-82738-22	SB04-15-16-11122013	164434	7.96	245337	8.71	199596	11.85
600-82738-23	SB04-20-21-11122013	161618	7.95	251629	8.72	198128	11.86
600-82738-24	FD04-20-21-11122013	168302	7.95	261176	8.72	210118	11.86
600-82738-25	SB04-29-30-11122013	163000	7.96	263128	8.72	203678	11.85
600-82738-26	SB05-2-3-11122013	160400	7.95	244715	8.72	197938	11.86

PFB = Pentafluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121230/2 Date Analyzed: 11/21/2013 13:32

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E32501.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		101590	14.62				
UPPER LIMIT		203180	15.12				
LOWER LIMIT		50795	14.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121230/3		98642	14.62				
LCSD 600-121230/4		98760	14.62				
MB 600-121230/5		85334	14.62				
600-82738-22	SB04-15-16-11122013	99193	14.62				
600-82738-23	SB04-20-21-11122013	94373	14.62				
600-82738-24	FD04-20-21-11122013	97521	14.62				
600-82738-25	SB04-29-30-11122013	98905	14.62				
600-82738-26	SB05-2-3-11122013	95396	14.62				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121704/2 Date Analyzed: 11/26/2013 14:18

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E33001.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		PFB		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		145675	7.96	238534	8.72	177993	11.85
UPPER LIMIT		291350	8.46	477068	9.22	355986	12.35
LOWER LIMIT		72838	7.46	119267	8.22	88997	11.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121704/3		135617	7.96	220740	8.72	172117	11.85
MB 600-121704/4		138030	7.96	212883	8.71	156287	11.86
LCSD 600-121704/5		144876	7.96	231230	8.71	169327	11.85
600-82738-57	SB10-5-6-11132013	125208	7.96	201066	8.72	151805	11.86

PFB = Pentafluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121704/2 Date Analyzed: 11/26/2013 14:18

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm)

Lab File ID (Standard): E33001.D Heated Purge: (Y/N) Y

Calibration ID: 2596

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		83510	14.62				
UPPER LIMIT		167020	15.12				
LOWER LIMIT		41755	14.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121704/3		82604	14.62				
MB 600-121704/4		69805	14.62				
LCSD 600-121704/5		76051	14.62				
600-82738-57	SB10-5-6-11132013	63754	14.63				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121549/2 Date Analyzed: 11/26/2013 11:14

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm)

Lab File ID (Standard): J33001.D Heated Purge: (Y/N) N

Calibration ID: 2617

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		281138	8.93	13873	9.34	122751	11.99
UPPER LIMIT		562276	9.43	27746	9.84	245502	12.49
LOWER LIMIT		140569	8.43	6937	8.84	61376	11.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121548/1-A		295001	8.93	15115	9.34	128316	11.99
MB 600-121548/2-A		280195	8.93	13351	9.34	119227	11.99
600-82738-54	SB09-18-19-11132013	273122	8.93	14370	9.34	118185	11.99
600-82738-54 MS	SB09-18-19-11132013MS MS	278678	8.93	15321	9.34	120912	11.99
600-82738-54 MSD	SB09-18-19-11132013MS D MSD	280933	8.93	14593	9.34	123028	11.99
600-82738-49	SB08-19-20-11132013	281637	8.93	15628	9.34	120619	11.99
600-82738-53	SB09-16-17-11132013	280398	8.93	14337	9.34	119970	11.99
600-82738-48	SB08-16-17-11132013	276674	8.93	14824	9.34	118141	11.99
600-82738-55	SB09-20-21-11132013	275732	8.93	14663	9.34	118193	11.99
600-82738-17	SB03-18-19-11112013	268473	8.93	14131	9.34	117377	11.99
600-82738-42	SB07-20-21-11122013	270050	8.93	15422	9.36	120897	11.99

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121549/2 Date Analyzed: 11/26/2013 11:14

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm)

Lab File ID (Standard): J33001.D Heated Purge: (Y/N) N

Calibration ID: 2617

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		118565	14.53				
UPPER LIMIT		237130	15.03				
LOWER LIMIT		59283	14.03				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121548/1-A		123023	14.53				
MB 600-121548/2-A		113567	14.54				
600-82738-54	SB09-18-19-11132013	116543	14.53				
600-82738-54 MS	SB09-18-19-11132013MS MS	118326	14.53				
600-82738-54 MSD	SB09-18-19-11132013MS D MSD	117992	14.53				
600-82738-49	SB08-19-20-11132013	119542	14.53				
600-82738-53	SB09-16-17-11132013	118310	14.53				
600-82738-48	SB08-16-17-11132013	118558	14.54				
600-82738-55	SB09-20-21-11132013	116683	14.54				
600-82738-17	SB03-18-19-11112013	114672	14.53				
600-82738-42	SB07-20-21-11122013	113322	14.54				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121793/2 Date Analyzed: 11/28/2013 11:57

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm)

Lab File ID (Standard): T33201.D Heated Purge: (Y/N) N

Calibration ID: 2617

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		244122	8.93	14030	9.34	108037	11.98
UPPER LIMIT		488244	9.43	28060	9.84	216074	12.48
LOWER LIMIT		122061	8.43	7015	8.84	54019	11.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
600-82738-48	SB08-16-17-11132013	232213	8.93	12558	9.34	100359	11.99
600-82738-53	SB09-16-17-11132013	234528	8.93	12057	9.34	100267	11.98
600-82738-42	SB07-20-21-11122013	248166	8.93	13626	9.33	106713	11.98

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121793/2 Date Analyzed: 11/28/2013 11:57

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm)

Lab File ID (Standard): T33201.D Heated Purge: (Y/N) N

Calibration ID: 2617

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		106019	14.53				
UPPER LIMIT		212038	15.03				
LOWER LIMIT		53010	14.03				
LAB SAMPLE ID	CLIENT SAMPLE ID						
600-82738-48	SB08-16-17-11132013	96222	14.53				
600-82738-53	SB09-16-17-11132013	98984	14.53				
600-82738-42	SB07-20-21-11122013	105038	14.53				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121151/2 Date Analyzed: 11/21/2013 09:50

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32501.D Heated Purge: (Y/N) Y

Calibration ID: 2600

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		220353	8.59	3163	8.99	101924	11.57
UPPER LIMIT		440706	9.09	6326	9.49	203848	12.07
LOWER LIMIT		110177	8.09	1582	8.49	50962	11.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121151/3		217897	8.59	5905	9.00	105523	11.57
MB 600-121151/4		224666	8.59	2936	8.99	107100	11.58
600-82738-61	FD10-29-30-11132013	180624	8.59	23035*	9.00	84601	11.57
600-82738-60	SB10-29-30-11132013	197019	8.59	196593*	8.59	88118	11.57
600-82738-59	SB10-20-21-11132013	181596	8.59	36334*	9.00	87172	11.58
600-82738-58	SB10-15-16-11132013	192922	8.59	193905*	8.59	87553	11.58
600-82738-47	FD08-5-6-11132013	171497	8.59	60569*	9.00	79638	11.57
600-82738-50	SB08-24-25-11132013	176652	8.59	3849	9.04	86343	11.58
600-82738-56	SB10-2-3-11132013	167557	8.59	4084	9.04	77790	11.57
600-82738-51	SB09-2-3-11132013	170895	8.59	3859	9.04	81672	11.57
600-82738-52	SB09-5-6-11132013	169317	8.59	2297	9.04	80200	11.57
600-82738-36	SB06-21-22-11122013	164781	8.59	3556	9.03	79227	11.57
600-82738-37	FD06-21-22-11122013	171071	8.59	2431	9.04	80387	11.58
600-82738-39	SB07-2-3-11122013	156641	8.59	2857	9.05	72658	11.57
600-82738-40	SB07-5-6-11122013	155250	8.59	347*	9.03	71510	11.58
600-82738-41	SB07-14-15-11122013	149591	8.59	116*	8.99	66665	11.57
600-82738-42	SB07-20-21-11122013	158339	8.59	2986	9.04	76579	11.58
600-82738-43	SB07-29-30-11122013	170301	8.59	3440	9.04	80889	11.57

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121151/2 Date Analyzed: 11/21/2013 09:50

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32501.D Heated Purge: (Y/N) Y

Calibration ID: 2600

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		108591	14.17				
UPPER LIMIT		217182	14.67				
LOWER LIMIT		54296	13.67				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121151/3		123063	14.16				
MB 600-121151/4		120997	14.16				
600-82738-61	FD10-29-30-11132013	101882	14.16				
600-82738-60	SB10-29-30-11132013	92095	14.16				
600-82738-59	SB10-20-21-11132013	100793	14.16				
600-82738-58	SB10-15-16-11132013	95129	14.16				
600-82738-47	FD08-5-6-11132013	92780	14.16				
600-82738-50	SB08-24-25-11132013	99768	14.16				
600-82738-56	SB10-2-3-11132013	93465	14.16				
600-82738-51	SB09-2-3-11132013	98601	14.16				
600-82738-52	SB09-5-6-11132013	90318	14.16				
600-82738-36	SB06-21-22-11122013	94189	14.16				
600-82738-37	FD06-21-22-11122013	92513	14.16				
600-82738-39	SB07-2-3-11122013	84628	14.16				
600-82738-40	SB07-5-6-11122013	78204	14.16				
600-82738-41	SB07-14-15-11122013	67422	14.16				
600-82738-42	SB07-20-21-11122013	65796	14.17				
600-82738-43	SB07-29-30-11122013	96629	14.16				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121251/2 Date Analyzed: 11/22/2013 09:43

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32601.D Heated Purge: (Y/N) Y

Calibration ID: 2600

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		166415	8.59	4760	8.93	77810	11.57
UPPER LIMIT		332830	9.09	9520	9.43	155620	12.07
LOWER LIMIT		83208	8.09	2380	8.43	38905	11.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121251/3		167813	8.59	5648	8.93	80186	11.57
MB 600-121251/4		159164	8.59	193*	9.06	59552	11.57
600-82738-27 MS	SB05-5-6-11122013MS MS	124138	8.59	3979	8.93	35847*	11.57
600-82738-27MSD	SB05-5-6-11122013MSD MSD	145063	8.59	4350	8.93	60882	11.57
600-82738-29	SB05-18-19-11122013	149040	8.59	1066*	9.00	60976	11.57
LCSD 600-121251/6		147346	8.59	5219	8.93	67446	11.57
600-82738-30	SB05-25-26-11122013	157487	8.59	2265*	8.99	68527	11.57
600-82738-27	SB05-5-6-11122013	147516	8.59	2905	9.02	60009	11.57
600-82738-34	SB06-11-12-11122013	131519	8.59	2949	9.02	65100	11.57
600-82738-35	SB06-16-17-11122013	132646	8.59	2216*	9.09	61308	11.57
600-82738-45	SB08-2-3-11132013	128573	8.59	2188*	9.12	53411	11.57

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-121251/2 Date Analyzed: 11/22/2013 09:43

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32601.D Heated Purge: (Y/N) Y

Calibration ID: 2600

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		79958	14.16				
UPPER LIMIT		159916	14.66				
LOWER LIMIT		39979	13.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-121251/3		77152	14.16				
MB 600-121251/4		42141	14.16				
600-82738-27 MS	SB05-5-6-11122013MS MS	16211*	14.16				
600-82738-27MSD	SB05-5-6-11122013MSD MSD	43267	14.16				
600-82738-29	SB05-18-19-11122013	45140	14.16				
LCSD 600-121251/6		65394	14.16				
600-82738-30	SB05-25-26-11122013	61651	14.16				
600-82738-27	SB05-5-6-11122013	40081	14.16				
600-82738-34	SB06-11-12-11122013	74018	14.16				
600-82738-35	SB06-16-17-11122013	55156	14.16				
600-82738-45	SB08-2-3-11132013	41005	14.16				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII

GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: ICIS 600-121357/5 Date Analyzed: 11/24/2013 12:53

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32805.D Heated Purge: (Y/N) Y

Calibration ID: 2614

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		236996	8.59	10934	8.99	98394	11.57
UPPER LIMIT		473992	9.09	21868	9.49	196788	12.07
LOWER LIMIT		118498	8.09	5467	8.49	49197	11.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-121357/8		201342	8.59	10095	9.00	81797	11.57
LCS 600-121357/9		225481	8.59	10490	9.01	90485	11.57
LCSD 600-121357/11		216234	8.58	8140	9.00	88007	11.57
600-82738-28	SB05-11-12-11122013	161977	8.59	8495	8.99	65695	11.57
600-82738-32	SB06-2-3-11122013	159836	8.59	6952	8.99	63079	11.57
600-82738-33	SB06-5-6-11122013	141415	8.59	7074	9.00	56980	11.57
600-82738-46	SB08-5-6-11132013	134246	8.59	8821	9.00	52054	11.57

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: ICIS 600-121357/5 Date Analyzed: 11/24/2013 12:53

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): k32805.D Heated Purge: (Y/N) Y

Calibration ID: 2614

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		123978	14.16				
UPPER LIMIT		247956	14.66				
LOWER LIMIT		61989	13.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-121357/8		113082	14.16				
LCS 600-121357/9		121101	14.16				
LCSD 600-121357/11		115692	14.16				
600-82738-28	SB05-11-12-11122013	94569	14.16				
600-82738-32	SB06-2-3-11122013	93868	14.16				
600-82738-33	SB06-5-6-11122013	86113	14.16				
600-82738-46	SB08-5-6-11132013	78748	14.16				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013 | Lab Sample ID: 600-82738-2

Matrix: Solid | Lab File ID: E32405.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.49(g) | Date Analyzed: 11/20/2013 13:11

Soil Aliquot Vol: | Dilution Factor: 0.91

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.66	U	5.38	1.66
74-87-3	Chloromethane	1.79	U	10.8	1.79
75-01-4	Vinyl chloride	0.969	U	10.8	0.969
74-83-9	Bromomethane	0.894	U	10.8	0.894
75-00-3	Chloroethane	1.51	U	10.8	1.51
75-69-4	Trichlorofluoromethane	0.711	U	10.8	0.711
75-35-4	1,1-Dichloroethene	1.31	U	5.38	1.31
156-60-5	trans-1,2-Dichloroethene	1.23	U	5.38	1.23
1634-04-4	Methyl tert-butyl ether	1.97	U	5.38	1.97
75-09-2	Methylene Chloride	2.77	J B	10.8	2.36
156-59-2	cis-1,2-Dichloroethene	0.894	U	5.38	0.894
78-93-3	2-Butanone (MEK)	2.05	U	10.8	2.05
74-97-5	Bromochloromethane	1.92	U	5.38	1.92
56-23-5	Carbon tetrachloride	1.22	U	5.38	1.22
71-43-2	Benzene	0.679	U	5.38	0.679
107-06-2	1,2-Dichloroethane	0.969	U	5.38	0.969
79-01-6	Trichloroethene	1.51	U	5.38	1.51
71-55-6	1,1,1-Trichloroethane	0.797	U	5.38	0.797
75-34-3	1,1-Dichloroethane	0.937	U	5.38	0.937
78-87-5	1,2-Dichloropropane	0.765	U	5.38	0.765
594-20-7	2,2-Dichloropropane	1.96	U	5.38	1.96
74-95-3	Dibromomethane	0.808	U	5.38	0.808
67-66-3	Chloroform	0.711	U	5.38	0.711
75-27-4	Bromodichloromethane	0.711	U	5.38	0.711
110-75-8	2-Chloroethyl vinyl ether	1.06	U *	10.8	1.06
563-58-6	1,1-Dichloropropene	0.700	U	5.38	0.700
10061-01-5	cis-1,3-Dichloropropene	0.582	U	5.38	0.582
108-88-3	Toluene	1.49	U	5.38	1.49
10061-02-6	trans-1,3-Dichloropropene	0.625	U	5.38	0.625
79-00-5	1,1,2-Trichloroethane	0.786	U	43.1	0.786
127-18-4	Tetrachloroethene	0.765	U	5.38	0.765
142-28-9	1,3-Dichloropropane	0.679	U	5.38	0.679
124-48-1	Chlorodibromomethane	1.01	U	5.38	1.01
106-93-4	1,2-Dibromoethane	1.10	U	5.38	1.10
108-90-7	Chlorobenzene	1.03	U	5.38	1.03
630-20-6	1,1,1,2-Tetrachloroethane	1.51	U	5.38	1.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013 | Lab Sample ID: 600-82738-2

Matrix: Solid | Lab File ID: E32405.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.49(g) | Date Analyzed: 11/20/2013 13:11

Soil Aliquot Vol: | Dilution Factor: 0.91

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.10	U	5.38	1.10
179601-23-1	m-Xylene & p-Xylene	1.64	U	10.8	1.64
1330-20-7	Xylenes, Total	1.22	U	5.38	1.22
95-47-6	o-Xylene	1.22	U	5.38	1.22
100-42-5	Styrene	0.765	U	5.38	0.765
75-25-2	Bromoform	1.48	U	5.38	1.48
98-82-8	Isopropylbenzene	0.991	U	5.38	0.991
108-86-1	Bromobenzene	1.07	U	5.38	1.07
96-18-4	1,2,3-Trichloropropane	1.41	U	5.38	1.41
79-34-5	1,1,2,2-Tetrachloroethane	0.937	U	5.38	0.937
103-65-1	N-Propylbenzene	1.02	U	5.38	1.02
95-49-8	2-Chlorotoluene	0.732	U	5.38	0.732
106-43-4	4-Chlorotoluene	0.894	U	5.38	0.894
108-67-8	1,3,5-Trimethylbenzene	1.72	U	5.38	1.72
98-06-6	tert-Butylbenzene	1.02	U	5.38	1.02
99-87-6	4-Isopropyltoluene	1.10	U	5.38	1.10
95-63-6	1,2,4-Trimethylbenzene	0.991	U	5.38	0.991
135-98-8	sec-Butylbenzene	0.754	U	5.38	0.754
541-73-1	1,3-Dichlorobenzene	0.765	U	5.38	0.765
106-46-7	1,4-Dichlorobenzene	0.711	U	5.38	0.711
95-50-1	1,2-Dichlorobenzene	0.862	U	5.38	0.862
104-51-8	n-Butylbenzene	0.625	U	5.38	0.625
96-12-8	1,2-Dibromo-3-Chloropropane	2.63	U	5.38	2.63
120-82-1	1,2,4-Trichlorobenzene	2.12	U	5.38	2.12
87-68-3	Hexachlorobutadiene	1.22	U	5.38	1.22
91-20-3	Naphthalene	2.55	U	10.8	2.55
87-61-6	1,2,3-Trichlorobenzene	0.668	U	5.38	0.668
75-15-0	Carbon disulfide	0.592	U	10.8	0.592
67-64-1	Acetone	4.14	J *	10.8	1.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013 | Lab Sample ID: 600-82738-2

Matrix: Solid | Lab File ID: E32405.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.49(g) | Date Analyzed: 11/20/2013 13:11

Soil Aliquot Vol: | Dilution Factor: 0.91

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	84		68-140
460-00-4	4-Bromofluorobenzene	76		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-5-6-11112013 | Lab Sample ID: 600-82738-3

Matrix: Solid | Lab File ID: E32408.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:40

Sample wt/vol: 5.95(g) | Date Analyzed: 11/20/2013 14:37

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.46	U	4.74	1.46
74-87-3	Chloromethane	1.57	U	9.48	1.57
75-01-4	Vinyl chloride	0.853	U	9.48	0.853
74-83-9	Bromomethane	0.787	U	9.48	0.787
75-00-3	Chloroethane	1.33	U	9.48	1.33
75-69-4	Trichlorofluoromethane	0.625	U	9.48	0.625
75-35-4	1,1-Dichloroethene	1.16	U	4.74	1.16
156-60-5	trans-1,2-Dichloroethene	1.08	U	4.74	1.08
1634-04-4	Methyl tert-butyl ether	1.73	U	4.74	1.73
75-09-2	Methylene Chloride	2.08	U	9.48	2.08
156-59-2	cis-1,2-Dichloroethene	0.787	U	4.74	0.787
78-93-3	2-Butanone (MEK)	1.80	U	9.48	1.80
74-97-5	Bromochloromethane	1.69	U	4.74	1.69
56-23-5	Carbon tetrachloride	1.07	U	4.74	1.07
71-43-2	Benzene	2.19	J	4.74	0.597
107-06-2	1,2-Dichloroethane	0.853	U	4.74	0.853
79-01-6	Trichloroethene	1.33	U	4.74	1.33
71-55-6	1,1,1-Trichloroethane	0.701	U	4.74	0.701
75-34-3	1,1-Dichloroethane	0.825	U	4.74	0.825
78-87-5	1,2-Dichloropropane	0.673	U	4.74	0.673
594-20-7	2,2-Dichloropropane	1.72	U	4.74	1.72
74-95-3	Dibromomethane	0.711	U	4.74	0.711
67-66-3	Chloroform	0.625	U	4.74	0.625
75-27-4	Bromodichloromethane	0.625	U	4.74	0.625
110-75-8	2-Chloroethyl vinyl ether	0.929	U *	9.48	0.929
563-58-6	1,1-Dichloropropene	0.616	U	4.74	0.616
10061-01-5	cis-1,3-Dichloropropene	0.512	U	4.74	0.512
108-88-3	Toluene	2.89	J	4.74	1.31
10061-02-6	trans-1,3-Dichloropropene	0.550	U	4.74	0.550
79-00-5	1,1,2-Trichloroethane	0.692	U	37.9	0.692
127-18-4	Tetrachloroethene	0.673	U	4.74	0.673
142-28-9	1,3-Dichloropropane	0.597	U	4.74	0.597
124-48-1	Chlorodibromomethane	0.891	U	4.74	0.891
106-93-4	1,2-Dibromoethane	0.967	U	4.74	0.967
108-90-7	Chlorobenzene	0.910	U	4.74	0.910
630-20-6	1,1,1,2-Tetrachloroethane	1.33	U	4.74	1.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-5-6-11112013 | Lab Sample ID: 600-82738-3

Matrix: Solid | Lab File ID: E32408.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:40

Sample wt/vol: 5.95(g) | Date Analyzed: 11/20/2013 14:37

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.967	U	4.74	0.967
179601-23-1	m-Xylene & p-Xylene	1.44	U	9.48	1.44
1330-20-7	Xylenes, Total	1.07	U	4.74	1.07
95-47-6	o-Xylene	1.07	U	4.74	1.07
100-42-5	Styrene	0.673	U	4.74	0.673
75-25-2	Bromoform	1.30	U	4.74	1.30
98-82-8	Isopropylbenzene	0.872	U	4.74	0.872
108-86-1	Bromobenzene	0.938	U	4.74	0.938
96-18-4	1,2,3-Trichloropropane	1.24	U	4.74	1.24
79-34-5	1,1,2,2-Tetrachloroethane	0.825	U	4.74	0.825
103-65-1	N-Propylbenzene	0.900	U	4.74	0.900
95-49-8	2-Chlorotoluene	0.644	U	4.74	0.644
106-43-4	4-Chlorotoluene	0.787	U	4.74	0.787
108-67-8	1,3,5-Trimethylbenzene	1.52	U	4.74	1.52
98-06-6	tert-Butylbenzene	0.900	U	4.74	0.900
99-87-6	4-Isopropyltoluene	0.967	U	4.74	0.967
95-63-6	1,2,4-Trimethylbenzene	0.872	U	4.74	0.872
135-98-8	sec-Butylbenzene	0.663	U	4.74	0.663
541-73-1	1,3-Dichlorobenzene	0.673	U	4.74	0.673
106-46-7	1,4-Dichlorobenzene	0.625	U	4.74	0.625
95-50-1	1,2-Dichlorobenzene	0.758	U	4.74	0.758
104-51-8	n-Butylbenzene	0.550	U	4.74	0.550
96-12-8	1,2-Dibromo-3-Chloropropane	2.31	U	4.74	2.31
120-82-1	1,2,4-Trichlorobenzene	1.87	U	4.74	1.87
87-68-3	Hexachlorobutadiene	1.07	U	4.74	1.07
91-20-3	Naphthalene	2.25	U	9.48	2.25
87-61-6	1,2,3-Trichlorobenzene	0.588	U	4.74	0.588
75-15-0	Carbon disulfide	0.521	U	9.48	0.521
67-64-1	Acetone	48.4	*	9.48	1.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-5-6-11112013 Lab Sample ID: 600-82738-3

Matrix: Solid Lab File ID: E32408.D

Analysis Method: 8260B Date Collected: 11/11/2013 12:40

Sample wt/vol: 5.95(g) Date Analyzed: 11/20/2013 14:37

Soil Aliquot Vol: Dilution Factor: 0.84

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.4 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	92		68-140
460-00-4	4-Bromofluorobenzene	77		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-15-16-11112013 | Lab Sample ID: 600-82738-4

Matrix: Solid | Lab File ID: E32409.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:25

Sample wt/vol: 6.69(g) | Date Analyzed: 11/20/2013 15:06

Soil Aliquot Vol: | Dilution Factor: 0.75

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.35	U	4.38	1.35
74-87-3	Chloromethane	1.45	U	8.76	1.45
75-01-4	Vinyl chloride	0.789	U	8.76	0.789
74-83-9	Bromomethane	0.727	U	8.76	0.727
75-00-3	Chloroethane	1.23	U	8.76	1.23
75-69-4	Trichlorofluoromethane	0.578	U	8.76	0.578
75-35-4	1,1-Dichloroethene	1.07	U	4.38	1.07
156-60-5	trans-1,2-Dichloroethene	0.999	U	4.38	0.999
1634-04-4	Methyl tert-butyl ether	1.60	U	4.38	1.60
75-09-2	Methylene Chloride	2.47	J B	8.76	1.92
156-59-2	cis-1,2-Dichloroethene	0.727	U	4.38	0.727
78-93-3	2-Butanone (MEK)	1.66	U	8.76	1.66
74-97-5	Bromochloromethane	1.56	U	4.38	1.56
56-23-5	Carbon tetrachloride	0.990	U	4.38	0.990
71-43-2	Benzene	0.552	U	4.38	0.552
107-06-2	1,2-Dichloroethane	0.789	U	4.38	0.789
79-01-6	Trichloroethene	1.23	U	4.38	1.23
71-55-6	1,1,1-Trichloroethane	0.648	U	4.38	0.648
75-34-3	1,1-Dichloroethane	0.762	U	4.38	0.762
78-87-5	1,2-Dichloropropane	0.622	U	4.38	0.622
594-20-7	2,2-Dichloropropane	1.59	U	4.38	1.59
74-95-3	Dibromomethane	0.657	U	4.38	0.657
67-66-3	Chloroform	0.578	U	4.38	0.578
75-27-4	Bromodichloromethane	0.578	U	4.38	0.578
110-75-8	2-Chloroethyl vinyl ether	0.859	U *	8.76	0.859
563-58-6	1,1-Dichloropropene	0.569	U	4.38	0.569
10061-01-5	cis-1,3-Dichloropropene	0.473	U	4.38	0.473
108-88-3	Toluene	1.21	U	4.38	1.21
10061-02-6	trans-1,3-Dichloropropene	0.508	U	4.38	0.508
79-00-5	1,1,2-Trichloroethane	0.640	U	35.0	0.640
127-18-4	Tetrachloroethene	0.622	U	4.38	0.622
142-28-9	1,3-Dichloropropane	0.552	U	4.38	0.552
124-48-1	Chlorodibromomethane	0.824	U	4.38	0.824
106-93-4	1,2-Dibromoethane	0.894	U	4.38	0.894
108-90-7	Chlorobenzene	0.841	U	4.38	0.841
630-20-6	1,1,1,2-Tetrachloroethane	1.23	U	4.38	1.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-15-16-11112013 | Lab Sample ID: 600-82738-4

Matrix: Solid | Lab File ID: E32409.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:25

Sample wt/vol: 6.69(g) | Date Analyzed: 11/20/2013 15:06

Soil Aliquot Vol: | Dilution Factor: 0.75

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.894	U	4.38	0.894
179601-23-1	m-Xylene & p-Xylene	1.33	U	8.76	1.33
1330-20-7	Xylenes, Total	0.990	U	4.38	0.990
95-47-6	o-Xylene	0.990	U	4.38	0.990
100-42-5	Styrene	0.622	U	4.38	0.622
75-25-2	Bromoform	1.20	U	4.38	1.20
98-82-8	Isopropylbenzene	0.806	U	4.38	0.806
108-86-1	Bromobenzene	0.867	U	4.38	0.867
96-18-4	1,2,3-Trichloropropane	1.15	U	4.38	1.15
79-34-5	1,1,2,2-Tetrachloroethane	0.762	U	4.38	0.762
103-65-1	N-Propylbenzene	0.832	U	4.38	0.832
95-49-8	2-Chlorotoluene	0.596	U	4.38	0.596
106-43-4	4-Chlorotoluene	0.727	U	4.38	0.727
108-67-8	1,3,5-Trimethylbenzene	1.40	U	4.38	1.40
98-06-6	tert-Butylbenzene	0.832	U	4.38	0.832
99-87-6	4-Isopropyltoluene	0.894	U	4.38	0.894
95-63-6	1,2,4-Trimethylbenzene	0.806	U	4.38	0.806
135-98-8	sec-Butylbenzene	0.613	U	4.38	0.613
541-73-1	1,3-Dichlorobenzene	0.622	U	4.38	0.622
106-46-7	1,4-Dichlorobenzene	0.578	U	4.38	0.578
95-50-1	1,2-Dichlorobenzene	0.701	U	4.38	0.701
104-51-8	n-Butylbenzene	0.508	U	4.38	0.508
96-12-8	1,2-Dibromo-3-Chloropropane	2.14	U	4.38	2.14
120-82-1	1,2,4-Trichlorobenzene	1.73	U	4.38	1.73
87-68-3	Hexachlorobutadiene	0.990	U	4.38	0.990
91-20-3	Naphthalene	2.08	U	8.76	2.08
87-61-6	1,2,3-Trichlorobenzene	0.543	U	4.38	0.543
75-15-0	Carbon disulfide	0.482	U	8.76	0.482
67-64-1	Acetone	1.45	U *	8.76	1.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-15-16-11112013 Lab Sample ID: 600-82738-4

Matrix: Solid Lab File ID: E32409.D

Analysis Method: 8260B Date Collected: 11/11/2013 13:25

Sample wt/vol: 6.69(g) Date Analyzed: 11/20/2013 15:06

Soil Aliquot Vol: Dilution Factor: 0.75

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.4 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	85		68-140
460-00-4	4-Bromofluorobenzene	78		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-20-21-11112013 | Lab Sample ID: 600-82738-5

Matrix: Solid | Lab File ID: E32411.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:30

Sample wt/vol: 6.00(g) | Date Analyzed: 11/20/2013 16:04

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.61	U	5.22	1.61
74-87-3	Chloromethane	1.73	U	10.4	1.73
75-01-4	Vinyl chloride	0.940	U	10.4	0.940
74-83-9	Bromomethane	0.867	U	10.4	0.867
75-00-3	Chloroethane	1.46	U	10.4	1.46
75-69-4	Trichlorofluoromethane	0.689	U	10.4	0.689
75-35-4	1,1-Dichloroethene	1.27	U	5.22	1.27
156-60-5	trans-1,2-Dichloroethene	1.19	U	5.22	1.19
1634-04-4	Methyl tert-butyl ether	1.91	U	5.22	1.91
75-09-2	Methylene Chloride	2.29	U	10.4	2.29
156-59-2	cis-1,2-Dichloroethene	0.867	U	5.22	0.867
78-93-3	2-Butanone (MEK)	1.98	U	10.4	1.98
74-97-5	Bromochloromethane	1.86	U	5.22	1.86
56-23-5	Carbon tetrachloride	1.18	U	5.22	1.18
71-43-2	Benzene	1.66	J	5.22	0.658
107-06-2	1,2-Dichloroethane	0.940	U	5.22	0.940
79-01-6	Trichloroethene	1.46	U	5.22	1.46
71-55-6	1,1,1-Trichloroethane	0.773	U	5.22	0.773
75-34-3	1,1-Dichloroethane	0.909	U	5.22	0.909
78-87-5	1,2-Dichloropropane	0.741	U	5.22	0.741
594-20-7	2,2-Dichloropropane	1.90	U	5.22	1.90
74-95-3	Dibromomethane	0.783	U	5.22	0.783
67-66-3	Chloroform	0.689	U	5.22	0.689
75-27-4	Bromodichloromethane	0.689	U	5.22	0.689
110-75-8	2-Chloroethyl vinyl ether	1.02	U *	10.4	1.02
563-58-6	1,1-Dichloropropene	0.679	U	5.22	0.679
10061-01-5	cis-1,3-Dichloropropene	0.564	U	5.22	0.564
108-88-3	Toluene	1.68	J	5.22	1.44
10061-02-6	trans-1,3-Dichloropropene	0.606	U	5.22	0.606
79-00-5	1,1,2-Trichloroethane	0.762	U	41.8	0.762
127-18-4	Tetrachloroethene	0.741	U	5.22	0.741
142-28-9	1,3-Dichloropropane	0.658	U	5.22	0.658
124-48-1	Chlorodibromomethane	0.982	U	5.22	0.982
106-93-4	1,2-Dibromoethane	1.07	U	5.22	1.07
108-90-7	Chlorobenzene	1.00	U	5.22	1.00
630-20-6	1,1,1,2-Tetrachloroethane	1.46	U	5.22	1.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-20-21-11112013 | Lab Sample ID: 600-82738-5

Matrix: Solid | Lab File ID: E32411.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:30

Sample wt/vol: 6.00(g) | Date Analyzed: 11/20/2013 16:04

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.07	U	5.22	1.07
179601-23-1	m-Xylene & p-Xylene	1.59	U	10.4	1.59
1330-20-7	Xylenes, Total	1.18	U	5.22	1.18
95-47-6	o-Xylene	1.18	U	5.22	1.18
100-42-5	Styrene	0.741	U	5.22	0.741
75-25-2	Bromoform	1.43	U	5.22	1.43
98-82-8	Isopropylbenzene	0.961	U	5.22	0.961
108-86-1	Bromobenzene	1.03	U	5.22	1.03
96-18-4	1,2,3-Trichloropropane	1.37	U	5.22	1.37
79-34-5	1,1,2,2-Tetrachloroethane	0.909	U	5.22	0.909
103-65-1	N-Propylbenzene	0.992	U	5.22	0.992
95-49-8	2-Chlorotoluene	0.710	U	5.22	0.710
106-43-4	4-Chlorotoluene	0.867	U	5.22	0.867
108-67-8	1,3,5-Trimethylbenzene	1.67	U	5.22	1.67
98-06-6	tert-Butylbenzene	0.992	U	5.22	0.992
99-87-6	4-Isopropyltoluene	1.07	U	5.22	1.07
95-63-6	1,2,4-Trimethylbenzene	0.961	U	5.22	0.961
135-98-8	sec-Butylbenzene	0.731	U	5.22	0.731
541-73-1	1,3-Dichlorobenzene	0.741	U	5.22	0.741
106-46-7	1,4-Dichlorobenzene	0.689	U	5.22	0.689
95-50-1	1,2-Dichlorobenzene	0.835	U	5.22	0.835
104-51-8	n-Butylbenzene	0.606	U	5.22	0.606
96-12-8	1,2-Dibromo-3-Chloropropane	2.55	U	5.22	2.55
120-82-1	1,2,4-Trichlorobenzene	2.06	U	5.22	2.06
87-68-3	Hexachlorobutadiene	1.18	U	5.22	1.18
91-20-3	Naphthalene	2.47	U	10.4	2.47
87-61-6	1,2,3-Trichlorobenzene	0.647	U	5.22	0.647
75-15-0	Carbon disulfide	0.574	U	10.4	0.574
67-64-1	Acetone	22.8	*	10.4	1.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-20-21-11112013 | Lab Sample ID: 600-82738-5

Matrix: Solid | Lab File ID: E32411.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:30

Sample wt/vol: 6.00(g) | Date Analyzed: 11/20/2013 16:04

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	84		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-24-25-11112013 | Lab Sample ID: 600-82738-6

Matrix: Solid | Lab File ID: E32412.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:35

Sample wt/vol: 7.14(g) | Date Analyzed: 11/20/2013 16:33

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.37	U	4.45	1.37
74-87-3	Chloromethane	1.48	U	8.91	1.48
75-01-4	Vinyl chloride	0.802	U	8.91	0.802
74-83-9	Bromomethane	0.739	U	8.91	0.739
75-00-3	Chloroethane	1.25	U	8.91	1.25
75-69-4	Trichlorofluoromethane	0.588	U	8.91	0.588
75-35-4	1,1-Dichloroethene	1.09	U	4.45	1.09
156-60-5	trans-1,2-Dichloroethene	1.02	U	4.45	1.02
1634-04-4	Methyl tert-butyl ether	1.63	U	4.45	1.63
75-09-2	Methylene Chloride	1.95	U	8.91	1.95
156-59-2	cis-1,2-Dichloroethene	0.739	U	4.45	0.739
78-93-3	2-Butanone (MEK)	1.69	U	8.91	1.69
74-97-5	Bromochloromethane	1.59	U	4.45	1.59
56-23-5	Carbon tetrachloride	1.01	U	4.45	1.01
71-43-2	Benzene	0.561	U	4.45	0.561
107-06-2	1,2-Dichloroethane	0.802	U	4.45	0.802
79-01-6	Trichloroethene	1.25	U	4.45	1.25
71-55-6	1,1,1-Trichloroethane	0.659	U	4.45	0.659
75-34-3	1,1-Dichloroethane	0.775	U	4.45	0.775
78-87-5	1,2-Dichloropropane	0.632	U	4.45	0.632
594-20-7	2,2-Dichloropropane	1.62	U	4.45	1.62
74-95-3	Dibromomethane	0.668	U	4.45	0.668
67-66-3	Chloroform	0.588	U	4.45	0.588
75-27-4	Bromodichloromethane	0.588	U	4.45	0.588
110-75-8	2-Chloroethyl vinyl ether	0.873	U *	8.91	0.873
563-58-6	1,1-Dichloropropene	0.579	U	4.45	0.579
10061-01-5	cis-1,3-Dichloropropene	0.481	U	4.45	0.481
108-88-3	Toluene	1.23	U	4.45	1.23
10061-02-6	trans-1,3-Dichloropropene	0.517	U	4.45	0.517
79-00-5	1,1,2-Trichloroethane	0.650	U	35.6	0.650
127-18-4	Tetrachloroethene	0.632	U	4.45	0.632
142-28-9	1,3-Dichloropropane	0.561	U	4.45	0.561
124-48-1	Chlorodibromomethane	0.837	U	4.45	0.837
106-93-4	1,2-Dibromoethane	0.909	U	4.45	0.909
108-90-7	Chlorobenzene	0.855	U	4.45	0.855
630-20-6	1,1,1,2-Tetrachloroethane	1.25	U	4.45	1.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-24-25-11112013 | Lab Sample ID: 600-82738-6

Matrix: Solid | Lab File ID: E32412.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:35

Sample wt/vol: 7.14(g) | Date Analyzed: 11/20/2013 16:33

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.909	U	4.45	0.909
179601-23-1	m-Xylene & p-Xylene	1.35	U	8.91	1.35
1330-20-7	Xylenes, Total	1.01	U	4.45	1.01
95-47-6	o-Xylene	1.01	U	4.45	1.01
100-42-5	Styrene	0.632	U	4.45	0.632
75-25-2	Bromoform	1.22	U	4.45	1.22
98-82-8	Isopropylbenzene	0.819	U	4.45	0.819
108-86-1	Bromobenzene	0.882	U	4.45	0.882
96-18-4	1,2,3-Trichloropropane	1.17	U	4.45	1.17
79-34-5	1,1,2,2-Tetrachloroethane	0.775	U	4.45	0.775
103-65-1	N-Propylbenzene	0.846	U	4.45	0.846
95-49-8	2-Chlorotoluene	0.606	U	4.45	0.606
106-43-4	4-Chlorotoluene	0.739	U	4.45	0.739
108-67-8	1,3,5-Trimethylbenzene	1.43	U	4.45	1.43
98-06-6	tert-Butylbenzene	0.846	U	4.45	0.846
99-87-6	4-Isopropyltoluene	0.909	U	4.45	0.909
95-63-6	1,2,4-Trimethylbenzene	0.819	U	4.45	0.819
135-98-8	sec-Butylbenzene	0.624	U	4.45	0.624
541-73-1	1,3-Dichlorobenzene	0.632	U	4.45	0.632
106-46-7	1,4-Dichlorobenzene	0.588	U	4.45	0.588
95-50-1	1,2-Dichlorobenzene	0.713	U	4.45	0.713
104-51-8	n-Butylbenzene	0.517	U	4.45	0.517
96-12-8	1,2-Dibromo-3-Chloropropane	2.17	U	4.45	2.17
120-82-1	1,2,4-Trichlorobenzene	1.75	U	4.45	1.75
87-68-3	Hexachlorobutadiene	1.01	U	4.45	1.01
91-20-3	Naphthalene	2.11	U	8.91	2.11
87-61-6	1,2,3-Trichlorobenzene	0.552	U	4.45	0.552
75-15-0	Carbon disulfide	0.490	U	8.91	0.490
67-64-1	Acetone	1.48	U *	8.91	1.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-24-25-11112013 | Lab Sample ID: 600-82738-6

Matrix: Solid | Lab File ID: E32412.D

Analysis Method: 8260B | Date Collected: 11/11/2013 13:35

Sample wt/vol: 7.14(g) | Date Analyzed: 11/20/2013 16:33

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		50-130
1868-53-7	Dibromofluoromethane	83		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-2-3-11112013 | Lab Sample ID: 600-82738-7

Matrix: Solid | Lab File ID: E32413.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:30

Sample wt/vol: 5.07(g) | Date Analyzed: 11/20/2013 17:01

Soil Aliquot Vol: | Dilution Factor: 0.99

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.78	U	5.77	1.78
74-87-3	Chloromethane	1.91	U	11.5	1.91
75-01-4	Vinyl chloride	1.04	U	11.5	1.04
74-83-9	Bromomethane	0.957	U	11.5	0.957
75-00-3	Chloroethane	1.61	U	11.5	1.61
75-69-4	Trichlorofluoromethane	0.761	U	11.5	0.761
75-35-4	1,1-Dichloroethene	1.41	U	5.77	1.41
156-60-5	trans-1,2-Dichloroethene	1.31	U	5.77	1.31
1634-04-4	Methyl tert-butyl ether	2.11	U	5.77	2.11
75-09-2	Methylene Chloride	2.89	J B	11.5	2.53
156-59-2	cis-1,2-Dichloroethene	0.957	U	5.77	0.957
78-93-3	2-Butanone (MEK)	2.19	U	11.5	2.19
74-97-5	Bromochloromethane	2.05	U	5.77	2.05
56-23-5	Carbon tetrachloride	1.30	U	5.77	1.30
71-43-2	Benzene	0.726	U	5.77	0.726
107-06-2	1,2-Dichloroethane	1.04	U	5.77	1.04
79-01-6	Trichloroethene	1.61	U	5.77	1.61
71-55-6	1,1,1-Trichloroethane	0.853	U	5.77	0.853
75-34-3	1,1-Dichloroethane	1.00	U	5.77	1.00
78-87-5	1,2-Dichloropropane	0.819	U	5.77	0.819
594-20-7	2,2-Dichloropropane	2.10	U	5.77	2.10
74-95-3	Dibromomethane	0.865	U	5.77	0.865
67-66-3	Chloroform	0.761	U	5.77	0.761
75-27-4	Bromodichloromethane	0.761	U	5.77	0.761
110-75-8	2-Chloroethyl vinyl ether	1.13	U *	11.5	1.13
563-58-6	1,1-Dichloropropene	0.749	U	5.77	0.749
10061-01-5	cis-1,3-Dichloropropene	0.623	U	5.77	0.623
108-88-3	Toluene	1.59	U	5.77	1.59
10061-02-6	trans-1,3-Dichloropropene	0.669	U	5.77	0.669
79-00-5	1,1,2-Trichloroethane	0.842	U	46.1	0.842
127-18-4	Tetrachloroethene	0.819	U	5.77	0.819
142-28-9	1,3-Dichloropropane	0.726	U	5.77	0.726
124-48-1	Chlorodibromomethane	1.08	U	5.77	1.08
106-93-4	1,2-Dibromoethane	1.18	U	5.77	1.18
108-90-7	Chlorobenzene	1.11	U	5.77	1.11
630-20-6	1,1,1,2-Tetrachloroethane	1.61	U	5.77	1.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-2-3-11112013 Lab Sample ID: 600-82738-7

Matrix: Solid Lab File ID: E32413.D

Analysis Method: 8260B Date Collected: 11/11/2013 14:30

Sample wt/vol: 5.07(g) Date Analyzed: 11/20/2013 17:01

Soil Aliquot Vol: Dilution Factor: 0.99

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.1 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.18	U	5.77	1.18
179601-23-1	m-Xylene & p-Xylene	1.75	U	11.5	1.75
1330-20-7	Xylenes, Total	1.30	U	5.77	1.30
95-47-6	o-Xylene	1.30	U	5.77	1.30
100-42-5	Styrene	0.819	U	5.77	0.819
75-25-2	Bromoform	1.58	U	5.77	1.58
98-82-8	Isopropylbenzene	1.06	U	5.77	1.06
108-86-1	Bromobenzene	1.14	U	5.77	1.14
96-18-4	1,2,3-Trichloropropane	1.51	U	5.77	1.51
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	5.77	1.00
103-65-1	N-Propylbenzene	1.10	U	5.77	1.10
95-49-8	2-Chlorotoluene	0.784	U	5.77	0.784
106-43-4	4-Chlorotoluene	0.957	U	5.77	0.957
108-67-8	1,3,5-Trimethylbenzene	1.84	U	5.77	1.84
98-06-6	tert-Butylbenzene	1.10	U	5.77	1.10
99-87-6	4-Isopropyltoluene	1.18	U	5.77	1.18
95-63-6	1,2,4-Trimethylbenzene	1.06	U	5.77	1.06
135-98-8	sec-Butylbenzene	0.807	U	5.77	0.807
541-73-1	1,3-Dichlorobenzene	0.819	U	5.77	0.819
106-46-7	1,4-Dichlorobenzene	0.761	U	5.77	0.761
95-50-1	1,2-Dichlorobenzene	0.922	U	5.77	0.922
104-51-8	n-Butylbenzene	0.669	U	5.77	0.669
96-12-8	1,2-Dibromo-3-Chloropropane	2.81	U	5.77	2.81
120-82-1	1,2,4-Trichlorobenzene	2.27	U	5.77	2.27
87-68-3	Hexachlorobutadiene	1.30	U	5.77	1.30
91-20-3	Naphthalene	2.73	U	11.5	2.73
87-61-6	1,2,3-Trichlorobenzene	0.715	U	5.77	0.715
75-15-0	Carbon disulfide	0.634	U	11.5	0.634
67-64-1	Acetone	17.0	*	11.5	1.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-2-3-11112013 | Lab Sample ID: 600-82738-7

Matrix: Solid | Lab File ID: E32413.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:30

Sample wt/vol: 5.07(g) | Date Analyzed: 11/20/2013 17:01

Soil Aliquot Vol: | Dilution Factor: 0.99

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	87		68-140
460-00-4	4-Bromofluorobenzene	85		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-5-6-11112013 | Lab Sample ID: 600-82738-8

Matrix: Solid | Lab File ID: E32414.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:35

Sample wt/vol: 4.03(g) | Date Analyzed: 11/20/2013 17:30

Soil Aliquot Vol: | Dilution Factor: 1.24

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.27	U	7.38	2.27
74-87-3	Chloromethane	2.45	U	14.8	2.45
75-01-4	Vinyl chloride	1.33	U	14.8	1.33
74-83-9	Bromomethane	1.22	U	14.8	1.22
75-00-3	Chloroethane	2.07	U	14.8	2.07
75-69-4	Trichlorofluoromethane	0.974	U	14.8	0.974
75-35-4	1,1-Dichloroethene	1.80	U	7.38	1.80
156-60-5	trans-1,2-Dichloroethene	1.68	U	7.38	1.68
1634-04-4	Methyl tert-butyl ether	2.70	U	7.38	2.70
75-09-2	Methylene Chloride	3.97	J B	14.8	3.23
156-59-2	cis-1,2-Dichloroethene	1.22	U	7.38	1.22
78-93-3	2-Butanone (MEK)	2.80	U	14.8	2.80
74-97-5	Bromochloromethane	2.63	U	7.38	2.63
56-23-5	Carbon tetrachloride	1.67	U	7.38	1.67
71-43-2	Benzene	1.09	J	7.38	0.929
107-06-2	1,2-Dichloroethane	1.33	U	7.38	1.33
79-01-6	Trichloroethene	2.07	U	7.38	2.07
71-55-6	1,1,1-Trichloroethane	1.09	U	7.38	1.09
75-34-3	1,1-Dichloroethane	1.28	U	7.38	1.28
78-87-5	1,2-Dichloropropane	1.05	U	7.38	1.05
594-20-7	2,2-Dichloropropane	2.69	U	7.38	2.69
74-95-3	Dibromomethane	1.11	U	7.38	1.11
67-66-3	Chloroform	0.974	U	7.38	0.974
75-27-4	Bromodichloromethane	0.974	U	7.38	0.974
110-75-8	2-Chloroethyl vinyl ether	1.45	U *	14.8	1.45
563-58-6	1,1-Dichloropropene	0.959	U	7.38	0.959
10061-01-5	cis-1,3-Dichloropropene	0.797	U	7.38	0.797
108-88-3	Toluene	2.04	U	7.38	2.04
10061-02-6	trans-1,3-Dichloropropene	0.856	U	7.38	0.856
79-00-5	1,1,2-Trichloroethane	1.08	U	59.0	1.08
127-18-4	Tetrachloroethene	1.05	U	7.38	1.05
142-28-9	1,3-Dichloropropane	0.929	U	7.38	0.929
124-48-1	Chlorodibromomethane	1.39	U	7.38	1.39
106-93-4	1,2-Dibromoethane	1.50	U	7.38	1.50
108-90-7	Chlorobenzene	1.42	U	7.38	1.42
630-20-6	1,1,1,2-Tetrachloroethane	2.07	U	7.38	2.07

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-5-6-11112013 | Lab Sample ID: 600-82738-8

Matrix: Solid | Lab File ID: E32414.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:35

Sample wt/vol: 4.03(g) | Date Analyzed: 11/20/2013 17:30

Soil Aliquot Vol: | Dilution Factor: 1.24

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.50	U	7.38	1.50
179601-23-1	m-Xylene & p-Xylene	2.24	U	14.8	2.24
1330-20-7	Xylenes, Total	1.67	U	7.38	1.67
95-47-6	o-Xylene	1.67	U	7.38	1.67
100-42-5	Styrene	1.05	U	7.38	1.05
75-25-2	Bromoform	2.02	U	7.38	2.02
98-82-8	Isopropylbenzene	1.36	U	7.38	1.36
108-86-1	Bromobenzene	1.46	U	7.38	1.46
96-18-4	1,2,3-Trichloropropane	1.93	U	7.38	1.93
79-34-5	1,1,2,2-Tetrachloroethane	1.28	U	7.38	1.28
103-65-1	N-Propylbenzene	1.40	U	7.38	1.40
95-49-8	2-Chlorotoluene	1.00	U	7.38	1.00
106-43-4	4-Chlorotoluene	1.22	U	7.38	1.22
108-67-8	1,3,5-Trimethylbenzene	2.36	U	7.38	2.36
98-06-6	tert-Butylbenzene	1.40	U	7.38	1.40
99-87-6	4-Isopropyltoluene	1.50	U	7.38	1.50
95-63-6	1,2,4-Trimethylbenzene	1.36	U	7.38	1.36
135-98-8	sec-Butylbenzene	1.03	U	7.38	1.03
541-73-1	1,3-Dichlorobenzene	1.05	U	7.38	1.05
106-46-7	1,4-Dichlorobenzene	0.974	U	7.38	0.974
95-50-1	1,2-Dichlorobenzene	1.18	U	7.38	1.18
104-51-8	n-Butylbenzene	0.856	U	7.38	0.856
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	7.38	3.60
120-82-1	1,2,4-Trichlorobenzene	2.91	U	7.38	2.91
87-68-3	Hexachlorobutadiene	1.67	U	7.38	1.67
91-20-3	Naphthalene	3.50	U	14.8	3.50
87-61-6	1,2,3-Trichlorobenzene	0.915	U	7.38	0.915
75-15-0	Carbon disulfide	0.811	U	14.8	0.811
67-64-1	Acetone	24.5	*	14.8	2.45

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-5-6-11112013 | Lab Sample ID: 600-82738-8

Matrix: Solid | Lab File ID: E32414.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:35

Sample wt/vol: 4.03(g) | Date Analyzed: 11/20/2013 17:30

Soil Aliquot Vol: | Dilution Factor: 1.24

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	85		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-12-13-11112013 Lab Sample ID: 600-82738-9

Matrix: Solid Lab File ID: E32415.D

Analysis Method: 8260B Date Collected: 11/11/2013 14:40

Sample wt/vol: 5.71(g) Date Analyzed: 11/20/2013 17:59

Soil Aliquot Vol: Dilution Factor: 0.88

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.6 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.66	U	5.40	1.66
74-87-3	Chloromethane	1.79	U	10.8	1.79
75-01-4	Vinyl chloride	0.972	U	10.8	0.972
74-83-9	Bromomethane	0.897	U	10.8	0.897
75-00-3	Chloroethane	1.51	U	10.8	1.51
75-69-4	Trichlorofluoromethane	0.713	U	10.8	0.713
75-35-4	1,1-Dichloroethene	1.32	U	5.40	1.32
156-60-5	trans-1,2-Dichloroethene	1.23	U	5.40	1.23
1634-04-4	Methyl tert-butyl ether	1.98	U	5.40	1.98
75-09-2	Methylene Chloride	2.37	U	10.8	2.37
156-59-2	cis-1,2-Dichloroethene	0.897	U	5.40	0.897
78-93-3	2-Butanone (MEK)	2.05	U	10.8	2.05
74-97-5	Bromochloromethane	1.92	U	5.40	1.92
56-23-5	Carbon tetrachloride	1.22	U	5.40	1.22
71-43-2	Benzene	0.681	U	5.40	0.681
107-06-2	1,2-Dichloroethane	0.972	U	5.40	0.972
79-01-6	Trichloroethene	1.51	U	5.40	1.51
71-55-6	1,1,1-Trichloroethane	0.800	U	5.40	0.800
75-34-3	1,1-Dichloroethane	0.940	U	5.40	0.940
78-87-5	1,2-Dichloropropane	0.767	U	5.40	0.767
594-20-7	2,2-Dichloropropane	1.97	U	5.40	1.97
74-95-3	Dibromomethane	0.810	U	5.40	0.810
67-66-3	Chloroform	0.713	U	5.40	0.713
75-27-4	Bromodichloromethane	0.713	U	5.40	0.713
110-75-8	2-Chloroethyl vinyl ether	1.06	U *	10.8	1.06
563-58-6	1,1-Dichloropropene	0.702	U	5.40	0.702
10061-01-5	cis-1,3-Dichloropropene	0.583	U	5.40	0.583
108-88-3	Toluene	1.49	U	5.40	1.49
10061-02-6	trans-1,3-Dichloropropene	0.627	U	5.40	0.627
79-00-5	1,1,2-Trichloroethane	0.789	U	43.2	0.789
127-18-4	Tetrachloroethene	0.767	U	5.40	0.767
142-28-9	1,3-Dichloropropane	0.681	U	5.40	0.681
124-48-1	Chlorodibromomethane	1.02	U	5.40	1.02
106-93-4	1,2-Dibromoethane	1.10	U	5.40	1.10
108-90-7	Chlorobenzene	1.04	U	5.40	1.04
630-20-6	1,1,1,2-Tetrachloroethane	1.51	U	5.40	1.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-12-13-11112013 | Lab Sample ID: 600-82738-9

Matrix: Solid | Lab File ID: E32415.D

Analysis Method: 8260B | Date Collected: 11/11/2013 14:40

Sample wt/vol: 5.71(g) | Date Analyzed: 11/20/2013 17:59

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.6 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.10	U	5.40	1.10
179601-23-1	m-Xylene & p-Xylene	1.64	U	10.8	1.64
1330-20-7	Xylenes, Total	1.22	U	5.40	1.22
95-47-6	o-Xylene	1.22	U	5.40	1.22
100-42-5	Styrene	0.767	U	5.40	0.767
75-25-2	Bromoform	1.48	U	5.40	1.48
98-82-8	Isopropylbenzene	0.994	U	5.40	0.994
108-86-1	Bromobenzene	1.07	U	5.40	1.07
96-18-4	1,2,3-Trichloropropane	1.42	U	5.40	1.42
79-34-5	1,1,2,2-Tetrachloroethane	0.940	U	5.40	0.940
103-65-1	N-Propylbenzene	1.03	U	5.40	1.03
95-49-8	2-Chlorotoluene	0.735	U	5.40	0.735
106-43-4	4-Chlorotoluene	0.897	U	5.40	0.897
108-67-8	1,3,5-Trimethylbenzene	1.73	U	5.40	1.73
98-06-6	tert-Butylbenzene	1.03	U	5.40	1.03
99-87-6	4-Isopropyltoluene	1.10	U	5.40	1.10
95-63-6	1,2,4-Trimethylbenzene	0.994	U	5.40	0.994
135-98-8	sec-Butylbenzene	0.756	U	5.40	0.756
541-73-1	1,3-Dichlorobenzene	0.767	U	5.40	0.767
106-46-7	1,4-Dichlorobenzene	0.713	U	5.40	0.713
95-50-1	1,2-Dichlorobenzene	0.864	U	5.40	0.864
104-51-8	n-Butylbenzene	0.627	U	5.40	0.627
96-12-8	1,2-Dibromo-3-Chloropropane	2.64	U	5.40	2.64
120-82-1	1,2,4-Trichlorobenzene	2.13	U	5.40	2.13
87-68-3	Hexachlorobutadiene	1.22	U	5.40	1.22
91-20-3	Naphthalene	2.56	U	10.8	2.56
87-61-6	1,2,3-Trichlorobenzene	0.670	U	5.40	0.670
75-15-0	Carbon disulfide	0.594	U	10.8	0.594
67-64-1	Acetone	1.79	U *	10.8	1.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-12-13-11112013 Lab Sample ID: 600-82738-9

Matrix: Solid Lab File ID: E32415.D

Analysis Method: 8260B Date Collected: 11/11/2013 14:40

Sample wt/vol: 5.71(g) Date Analyzed: 11/20/2013 17:59

Soil Aliquot Vol: Dilution Factor: 0.88

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.6 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	76		50-130
1868-53-7	Dibromofluoromethane	88		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-18-19-11112013 Lab Sample ID: 600-82738-10

Matrix: Solid Lab File ID: E32423.D

Analysis Method: 8260B Date Collected: 11/11/2013 15:15

Sample wt/vol: 6.57(g) Date Analyzed: 11/20/2013 21:49

Soil Aliquot Vol: Dilution Factor: 0.76

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.4 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.43	U	4.66	1.43
74-87-3	Chloromethane	1.55	U	9.32	1.55
75-01-4	Vinyl chloride	0.838	U	9.32	0.838
74-83-9	Bromomethane	0.773	U	9.32	0.773
75-00-3	Chloroethane	1.30	U	9.32	1.30
75-69-4	Trichlorofluoromethane	0.615	U	9.32	0.615
75-35-4	1,1-Dichloroethene	1.14	U	4.66	1.14
156-60-5	trans-1,2-Dichloroethene	1.06	U	4.66	1.06
1634-04-4	Methyl tert-butyl ether	1.70	U	4.66	1.70
75-09-2	Methylene Chloride	2.30	J B	9.32	2.04
156-59-2	cis-1,2-Dichloroethene	0.773	U	4.66	0.773
78-93-3	2-Butanone (MEK)	1.77	U	9.32	1.77
74-97-5	Bromochloromethane	1.66	U	4.66	1.66
56-23-5	Carbon tetrachloride	1.05	U	4.66	1.05
71-43-2	Benzene	1.41	J	4.66	0.587
107-06-2	1,2-Dichloroethane	0.838	U	4.66	0.838
79-01-6	Trichloroethene	1.30	U	4.66	1.30
71-55-6	1,1,1-Trichloroethane	0.689	U	4.66	0.689
75-34-3	1,1-Dichloroethane	0.811	U	4.66	0.811
78-87-5	1,2-Dichloropropane	0.661	U	4.66	0.661
594-20-7	2,2-Dichloropropane	1.70	U	4.66	1.70
74-95-3	Dibromomethane	0.699	U	4.66	0.699
67-66-3	Chloroform	0.615	U	4.66	0.615
75-27-4	Bromodichloromethane	0.615	U	4.66	0.615
110-75-8	2-Chloroethyl vinyl ether	0.913	U *	9.32	0.913
563-58-6	1,1-Dichloropropene	0.606	U	4.66	0.606
10061-01-5	cis-1,3-Dichloropropene	0.503	U	4.66	0.503
108-88-3	Toluene	1.31	J	4.66	1.29
10061-02-6	trans-1,3-Dichloropropene	0.540	U	4.66	0.540
79-00-5	1,1,2-Trichloroethane	0.680	U	37.3	0.680
127-18-4	Tetrachloroethene	4.74		4.66	0.661
142-28-9	1,3-Dichloropropane	0.587	U	4.66	0.587
124-48-1	Chlorodibromomethane	0.876	U	4.66	0.876
106-93-4	1,2-Dibromoethane	0.950	U	4.66	0.950
108-90-7	Chlorobenzene	0.894	U	4.66	0.894
630-20-6	1,1,1,2-Tetrachloroethane	1.30	U	4.66	1.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-18-19-11112013 Lab Sample ID: 600-82738-10

Matrix: Solid Lab File ID: E32423.D

Analysis Method: 8260B Date Collected: 11/11/2013 15:15

Sample wt/vol: 6.57(g) Date Analyzed: 11/20/2013 21:49

Soil Aliquot Vol: Dilution Factor: 0.76

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.4 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.950	U	4.66	0.950
179601-23-1	m-Xylene & p-Xylene	1.42	U	9.32	1.42
1330-20-7	Xylenes, Total	1.05	U	4.66	1.05
95-47-6	o-Xylene	1.05	U	4.66	1.05
100-42-5	Styrene	0.661	U	4.66	0.661
75-25-2	Bromoform	1.28	U	4.66	1.28
98-82-8	Isopropylbenzene	0.898	J	4.66	0.857
108-86-1	Bromobenzene	0.922	U	4.66	0.922
96-18-4	1,2,3-Trichloropropane	1.22	U	4.66	1.22
79-34-5	1,1,2,2-Tetrachloroethane	0.811	U	4.66	0.811
103-65-1	N-Propylbenzene	0.885	U	4.66	0.885
95-49-8	2-Chlorotoluene	0.633	U	4.66	0.633
106-43-4	4-Chlorotoluene	0.773	U	4.66	0.773
108-67-8	1,3,5-Trimethylbenzene	1.49	U	4.66	1.49
98-06-6	tert-Butylbenzene	0.885	U	4.66	0.885
99-87-6	4-Isopropyltoluene	0.950	U	4.66	0.950
95-63-6	1,2,4-Trimethylbenzene	0.857	U	4.66	0.857
135-98-8	sec-Butylbenzene	13.3		4.66	0.652
541-73-1	1,3-Dichlorobenzene	0.661	U	4.66	0.661
106-46-7	1,4-Dichlorobenzene	0.615	U	4.66	0.615
95-50-1	1,2-Dichlorobenzene	0.745	U	4.66	0.745
104-51-8	n-Butylbenzene	0.811	J	4.66	0.540
96-12-8	1,2-Dibromo-3-Chloropropane	2.27	U	4.66	2.27
120-82-1	1,2,4-Trichlorobenzene	1.84	U	4.66	1.84
87-68-3	Hexachlorobutadiene	1.05	U	4.66	1.05
91-20-3	Naphthalene	3.31	J	9.32	2.21
87-61-6	1,2,3-Trichlorobenzene	3.66	J	4.66	0.578
75-15-0	Carbon disulfide	2.58	J	9.32	0.512
67-64-1	Acetone	44.7	*	9.32	1.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-18-19-11112013 | Lab Sample ID: 600-82738-10

Matrix: Solid | Lab File ID: E32423.D

Analysis Method: 8260B | Date Collected: 11/11/2013 15:15

Sample wt/vol: 6.57(g) | Date Analyzed: 11/20/2013 21:49

Soil Aliquot Vol: | Dilution Factor: 0.76

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 18.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	86		68-140
460-00-4	4-Bromofluorobenzene	75		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-24-25-11112013 Lab Sample ID: 600-82738-11

Matrix: Solid Lab File ID: E32416.D

Analysis Method: 8260B Date Collected: 11/11/2013 15:20

Sample wt/vol: 6.73(g) Date Analyzed: 11/20/2013 18:28

Soil Aliquot Vol: Dilution Factor: 0.74

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.3 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.45	U	4.70	1.45
74-87-3	Chloromethane	1.56	U	9.41	1.56
75-01-4	Vinyl chloride	0.847	U	9.41	0.847
74-83-9	Bromomethane	0.781	U	9.41	0.781
75-00-3	Chloroethane	1.32	U	9.41	1.32
75-69-4	Trichlorofluoromethane	0.621	U	9.41	0.621
75-35-4	1,1-Dichloroethene	1.15	U	4.70	1.15
156-60-5	trans-1,2-Dichloroethene	1.07	U	4.70	1.07
1634-04-4	Methyl tert-butyl ether	1.72	U	4.70	1.72
75-09-2	Methylene Chloride	3.32	J B	9.41	2.06
156-59-2	cis-1,2-Dichloroethene	0.781	U	4.70	0.781
78-93-3	2-Butanone (MEK)	1.79	U	9.41	1.79
74-97-5	Bromochloromethane	1.67	U	4.70	1.67
56-23-5	Carbon tetrachloride	1.06	U	4.70	1.06
71-43-2	Benzene	2.12	J	4.70	0.593
107-06-2	1,2-Dichloroethane	0.847	U	4.70	0.847
79-01-6	Trichloroethene	1.32	U	4.70	1.32
71-55-6	1,1,1-Trichloroethane	0.696	U	4.70	0.696
75-34-3	1,1-Dichloroethane	0.818	U	4.70	0.818
78-87-5	1,2-Dichloropropane	0.668	U	4.70	0.668
594-20-7	2,2-Dichloropropane	1.71	U	4.70	1.71
74-95-3	Dibromomethane	0.705	U	4.70	0.705
67-66-3	Chloroform	0.621	U	4.70	0.621
75-27-4	Bromodichloromethane	0.621	U	4.70	0.621
110-75-8	2-Chloroethyl vinyl ether	0.922	U *	9.41	0.922
563-58-6	1,1-Dichloropropene	0.611	U	4.70	0.611
10061-01-5	cis-1,3-Dichloropropene	0.508	U	4.70	0.508
108-88-3	Toluene	2.32	J	4.70	1.30
10061-02-6	trans-1,3-Dichloropropene	0.546	U	4.70	0.546
79-00-5	1,1,2-Trichloroethane	0.687	U	37.6	0.687
127-18-4	Tetrachloroethene	0.668	U	4.70	0.668
142-28-9	1,3-Dichloropropane	0.593	U	4.70	0.593
124-48-1	Chlorodibromomethane	0.884	U	4.70	0.884
106-93-4	1,2-Dibromoethane	0.959	U	4.70	0.959
108-90-7	Chlorobenzene	0.903	U	4.70	0.903
630-20-6	1,1,1,2-Tetrachloroethane	1.32	U	4.70	1.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-24-25-11112013 | Lab Sample ID: 600-82738-11

Matrix: Solid | Lab File ID: E32416.D

Analysis Method: 8260B | Date Collected: 11/11/2013 15:20

Sample wt/vol: 6.73(g) | Date Analyzed: 11/20/2013 18:28

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.3 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.959	U	4.70	0.959
179601-23-1	m-Xylene & p-Xylene	1.43	U	9.41	1.43
1330-20-7	Xylenes, Total	1.06	U	4.70	1.06
95-47-6	o-Xylene	1.06	U	4.70	1.06
100-42-5	Styrene	0.668	U	4.70	0.668
75-25-2	Bromoform	1.29	U	4.70	1.29
98-82-8	Isopropylbenzene	0.865	U	4.70	0.865
108-86-1	Bromobenzene	0.931	U	4.70	0.931
96-18-4	1,2,3-Trichloropropane	1.23	U	4.70	1.23
79-34-5	1,1,2,2-Tetrachloroethane	0.818	U	4.70	0.818
103-65-1	N-Propylbenzene	0.894	U	4.70	0.894
95-49-8	2-Chlorotoluene	0.640	U	4.70	0.640
106-43-4	4-Chlorotoluene	0.781	U	4.70	0.781
108-67-8	1,3,5-Trimethylbenzene	1.51	U	4.70	1.51
98-06-6	tert-Butylbenzene	0.894	U	4.70	0.894
99-87-6	4-Isopropyltoluene	0.959	U	4.70	0.959
95-63-6	1,2,4-Trimethylbenzene	0.865	U	4.70	0.865
135-98-8	sec-Butylbenzene	0.658	U	4.70	0.658
541-73-1	1,3-Dichlorobenzene	0.668	U	4.70	0.668
106-46-7	1,4-Dichlorobenzene	0.621	U	4.70	0.621
95-50-1	1,2-Dichlorobenzene	0.753	U	4.70	0.753
104-51-8	n-Butylbenzene	0.546	U	4.70	0.546
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	4.70	2.30
120-82-1	1,2,4-Trichlorobenzene	1.85	U	4.70	1.85
87-68-3	Hexachlorobutadiene	1.06	U	4.70	1.06
91-20-3	Naphthalene	2.23	U	9.41	2.23
87-61-6	1,2,3-Trichlorobenzene	0.583	U	4.70	0.583
75-15-0	Carbon disulfide	0.517	U	9.41	0.517
67-64-1	Acetone	34.1	*	9.41	1.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB02-24-25-11112013 Lab Sample ID: 600-82738-11

Matrix: Solid Lab File ID: E32416.D

Analysis Method: 8260B Date Collected: 11/11/2013 15:20

Sample wt/vol: 6.73(g) Date Analyzed: 11/20/2013 18:28

Soil Aliquot Vol: Dilution Factor: 0.74

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 21.3 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	90		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD02-24-25-11112013 | Lab Sample ID: 600-82738-12

Matrix: Solid | Lab File ID: E32417.D

Analysis Method: 8260B | Date Collected: 11/11/2013 15:30

Sample wt/vol: 6.78(g) | Date Analyzed: 11/20/2013 18:56

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.44	U	4.68	1.44
74-87-3	Chloromethane	1.55	U	9.35	1.55
75-01-4	Vinyl chloride	0.842	U	9.35	0.842
74-83-9	Bromomethane	0.776	U	9.35	0.776
75-00-3	Chloroethane	1.31	U	9.35	1.31
75-69-4	Trichlorofluoromethane	0.617	U	9.35	0.617
75-35-4	1,1-Dichloroethene	1.14	U	4.68	1.14
156-60-5	trans-1,2-Dichloroethene	1.07	U	4.68	1.07
1634-04-4	Methyl tert-butyl ether	1.71	U	4.68	1.71
75-09-2	Methylene Chloride	2.05	U	9.35	2.05
156-59-2	cis-1,2-Dichloroethene	0.776	U	4.68	0.776
78-93-3	2-Butanone (MEK)	1.78	U	9.35	1.78
74-97-5	Bromochloromethane	1.66	U	4.68	1.66
56-23-5	Carbon tetrachloride	1.06	U	4.68	1.06
71-43-2	Benzene	3.54	J	4.68	0.589
107-06-2	1,2-Dichloroethane	0.842	U	4.68	0.842
79-01-6	Trichloroethene	1.31	U	4.68	1.31
71-55-6	1,1,1-Trichloroethane	0.692	U	4.68	0.692
75-34-3	1,1-Dichloroethane	0.814	U	4.68	0.814
78-87-5	1,2-Dichloropropane	0.664	U	4.68	0.664
594-20-7	2,2-Dichloropropane	1.70	U	4.68	1.70
74-95-3	Dibromomethane	0.701	U	4.68	0.701
67-66-3	Chloroform	0.617	U	4.68	0.617
75-27-4	Bromodichloromethane	0.617	U	4.68	0.617
110-75-8	2-Chloroethyl vinyl ether	0.916	U *	9.35	0.916
563-58-6	1,1-Dichloropropene	0.608	U	4.68	0.608
10061-01-5	cis-1,3-Dichloropropene	0.505	U	4.68	0.505
108-88-3	Toluene	3.61	J	4.68	1.29
10061-02-6	trans-1,3-Dichloropropene	0.542	U	4.68	0.542
79-00-5	1,1,2-Trichloroethane	0.683	U	37.4	0.683
127-18-4	Tetrachloroethene	0.664	U	4.68	0.664
142-28-9	1,3-Dichloropropane	0.589	U	4.68	0.589
124-48-1	Chlorodibromomethane	0.879	U	4.68	0.879
106-93-4	1,2-Dibromoethane	0.954	U	4.68	0.954
108-90-7	Chlorobenzene	0.898	U	4.68	0.898
630-20-6	1,1,1,2-Tetrachloroethane	1.31	U	4.68	1.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD02-24-25-11112013 | Lab Sample ID: 600-82738-12

Matrix: Solid | Lab File ID: E32417.D

Analysis Method: 8260B | Date Collected: 11/11/2013 15:30

Sample wt/vol: 6.78(g) | Date Analyzed: 11/20/2013 18:56

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.954	U	4.68	0.954
179601-23-1	m-Xylene & p-Xylene	1.48	J	9.35	1.42
1330-20-7	Xylenes, Total	1.48	J	4.68	1.06
95-47-6	o-Xylene	1.06	U	4.68	1.06
100-42-5	Styrene	0.664	U	4.68	0.664
75-25-2	Bromoform	1.28	U	4.68	1.28
98-82-8	Isopropylbenzene	0.860	U	4.68	0.860
108-86-1	Bromobenzene	0.926	U	4.68	0.926
96-18-4	1,2,3-Trichloropropane	1.23	U	4.68	1.23
79-34-5	1,1,2,2-Tetrachloroethane	0.814	U	4.68	0.814
103-65-1	N-Propylbenzene	0.888	U	4.68	0.888
95-49-8	2-Chlorotoluene	0.636	U	4.68	0.636
106-43-4	4-Chlorotoluene	0.776	U	4.68	0.776
108-67-8	1,3,5-Trimethylbenzene	1.50	U	4.68	1.50
98-06-6	tert-Butylbenzene	0.888	U	4.68	0.888
99-87-6	4-Isopropyltoluene	0.954	U	4.68	0.954
95-63-6	1,2,4-Trimethylbenzene	0.902	J	4.68	0.860
135-98-8	sec-Butylbenzene	0.655	U	4.68	0.655
541-73-1	1,3-Dichlorobenzene	0.664	U	4.68	0.664
106-46-7	1,4-Dichlorobenzene	0.617	U	4.68	0.617
95-50-1	1,2-Dichlorobenzene	0.748	U	4.68	0.748
104-51-8	n-Butylbenzene	0.542	U	4.68	0.542
96-12-8	1,2-Dibromo-3-Chloropropane	2.28	U	4.68	2.28
120-82-1	1,2,4-Trichlorobenzene	1.84	U	4.68	1.84
87-68-3	Hexachlorobutadiene	1.06	U	4.68	1.06
91-20-3	Naphthalene	2.22	U	9.35	2.22
87-61-6	1,2,3-Trichlorobenzene	0.580	U	4.68	0.580
75-15-0	Carbon disulfide	0.514	U	9.35	0.514
67-64-1	Acetone	69.3	*	9.35	1.55

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD02-24-25-11112013 | Lab Sample ID: 600-82738-12

Matrix: Solid | Lab File ID: E32417.D

Analysis Method: 8260B | Date Collected: 11/11/2013 15:30

Sample wt/vol: 6.78(g) | Date Analyzed: 11/20/2013 18:56

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 20.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	86		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-2-3-11112013 | Lab Sample ID: 600-82738-14

Matrix: Solid | Lab File ID: E32418.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:10

Sample wt/vol: 5.63(g) | Date Analyzed: 11/20/2013 19:25

Soil Aliquot Vol: | Dilution Factor: 0.89

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.61	U	5.23	1.61
74-87-3	Chloromethane	1.74	U	10.5	1.74
75-01-4	Vinyl chloride	0.942	U	10.5	0.942
74-83-9	Bromomethane	0.869	U	10.5	0.869
75-00-3	Chloroethane	1.47	U	10.5	1.47
75-69-4	Trichlorofluoromethane	0.691	U	10.5	0.691
75-35-4	1,1-Dichloroethene	1.28	U	5.23	1.28
156-60-5	trans-1,2-Dichloroethene	1.19	U	5.23	1.19
1634-04-4	Methyl tert-butyl ether	1.92	U	5.23	1.92
75-09-2	Methylene Chloride	2.74	J B	10.5	2.29
156-59-2	cis-1,2-Dichloroethene	0.869	U	5.23	0.869
78-93-3	2-Butanone (MEK)	1.99	U	10.5	1.99
74-97-5	Bromochloromethane	1.86	U	5.23	1.86
56-23-5	Carbon tetrachloride	1.18	U	5.23	1.18
71-43-2	Benzene	0.659	U	5.23	0.659
107-06-2	1,2-Dichloroethane	0.942	U	5.23	0.942
79-01-6	Trichloroethene	1.47	U	5.23	1.47
71-55-6	1,1,1-Trichloroethane	0.774	U	5.23	0.774
75-34-3	1,1-Dichloroethane	0.910	U	5.23	0.910
78-87-5	1,2-Dichloropropane	0.743	U	5.23	0.743
594-20-7	2,2-Dichloropropane	1.90	U	5.23	1.90
74-95-3	Dibromomethane	0.785	U	5.23	0.785
67-66-3	Chloroform	0.691	U	5.23	0.691
75-27-4	Bromodichloromethane	0.691	U	5.23	0.691
110-75-8	2-Chloroethyl vinyl ether	1.03	U *	10.5	1.03
563-58-6	1,1-Dichloropropene	0.680	U	5.23	0.680
10061-01-5	cis-1,3-Dichloropropene	0.565	U	5.23	0.565
108-88-3	Toluene	1.44	U	5.23	1.44
10061-02-6	trans-1,3-Dichloropropene	0.607	U	5.23	0.607
79-00-5	1,1,2-Trichloroethane	0.764	U	41.9	0.764
127-18-4	Tetrachloroethene	0.743	U	5.23	0.743
142-28-9	1,3-Dichloropropane	0.659	U	5.23	0.659
124-48-1	Chlorodibromomethane	0.984	U	5.23	0.984
106-93-4	1,2-Dibromoethane	1.07	U	5.23	1.07
108-90-7	Chlorobenzene	1.00	U	5.23	1.00
630-20-6	1,1,1,2-Tetrachloroethane	1.47	U	5.23	1.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-2-3-11112013 | Lab Sample ID: 600-82738-14

Matrix: Solid | Lab File ID: E32418.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:10

Sample wt/vol: 5.63(g) | Date Analyzed: 11/20/2013 19:25

Soil Aliquot Vol: | Dilution Factor: 0.89

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.07	U	5.23	1.07
179601-23-1	m-Xylene & p-Xylene	1.59	U	10.5	1.59
1330-20-7	Xylenes, Total	1.18	U	5.23	1.18
95-47-6	o-Xylene	1.18	U	5.23	1.18
100-42-5	Styrene	0.743	U	5.23	0.743
75-25-2	Bromoform	1.43	U	5.23	1.43
98-82-8	Isopropylbenzene	0.963	U	5.23	0.963
108-86-1	Bromobenzene	1.04	U	5.23	1.04
96-18-4	1,2,3-Trichloropropane	1.37	U	5.23	1.37
79-34-5	1,1,2,2-Tetrachloroethane	0.910	U	5.23	0.910
103-65-1	N-Propylbenzene	0.994	U	5.23	0.994
95-49-8	2-Chlorotoluene	0.712	U	5.23	0.712
106-43-4	4-Chlorotoluene	0.869	U	5.23	0.869
108-67-8	1,3,5-Trimethylbenzene	1.67	U	5.23	1.67
98-06-6	tert-Butylbenzene	0.994	U	5.23	0.994
99-87-6	4-Isopropyltoluene	1.07	U	5.23	1.07
95-63-6	1,2,4-Trimethylbenzene	0.963	U	5.23	0.963
135-98-8	sec-Butylbenzene	0.733	U	5.23	0.733
541-73-1	1,3-Dichlorobenzene	0.743	U	5.23	0.743
106-46-7	1,4-Dichlorobenzene	0.691	U	5.23	0.691
95-50-1	1,2-Dichlorobenzene	0.837	U	5.23	0.837
104-51-8	n-Butylbenzene	0.607	U	5.23	0.607
96-12-8	1,2-Dibromo-3-Chloropropane	2.55	U	5.23	2.55
120-82-1	1,2,4-Trichlorobenzene	2.06	U	5.23	2.06
87-68-3	Hexachlorobutadiene	1.18	U	5.23	1.18
91-20-3	Naphthalene	2.48	U	10.5	2.48
87-61-6	1,2,3-Trichlorobenzene	0.649	U	5.23	0.649
75-15-0	Carbon disulfide	0.576	U	10.5	0.576
67-64-1	Acetone	1.91	J *	10.5	1.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-2-3-11112013 Lab Sample ID: 600-82738-14

Matrix: Solid Lab File ID: E32418.D

Analysis Method: 8260B Date Collected: 11/11/2013 16:10

Sample wt/vol: 5.63(g) Date Analyzed: 11/20/2013 19:25

Soil Aliquot Vol: Dilution Factor: 0.89

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.0 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	84		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-5-6-11112013 | Lab Sample ID: 600-82738-15

Matrix: Solid | Lab File ID: E32419.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:15

Sample wt/vol: 5.14(g) | Date Analyzed: 11/20/2013 19:54

Soil Aliquot Vol: | Dilution Factor: 0.97

Soil Extract Vol.: | GC Column: DB-624 60 ID: 0.25(mm)

% Moisture: 15.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.77	U	5.74	1.77
74-87-3	Chloromethane	1.90	U	11.5	1.90
75-01-4	Vinyl chloride	1.03	U	11.5	1.03
74-83-9	Bromomethane	0.952	U	11.5	0.952
75-00-3	Chloroethane	1.61	U	11.5	1.61
75-69-4	Trichlorofluoromethane	0.757	U	11.5	0.757
75-35-4	1,1-Dichloroethene	1.40	U	5.74	1.40
156-60-5	trans-1,2-Dichloroethene	1.31	U	5.74	1.31
1634-04-4	Methyl tert-butyl ether	2.10	U	5.74	2.10
75-09-2	Methylene Chloride	2.51	U	11.5	2.51
156-59-2	cis-1,2-Dichloroethene	0.952	U	5.74	0.952
78-93-3	2-Butanone (MEK)	2.18	U	11.5	2.18
74-97-5	Bromochloromethane	2.04	U	5.74	2.04
56-23-5	Carbon tetrachloride	1.30	U	5.74	1.30
71-43-2	Benzene	0.723	U	5.74	0.723
107-06-2	1,2-Dichloroethane	1.03	U	5.74	1.03
79-01-6	Trichloroethene	1.61	U	5.74	1.61
71-55-6	1,1,1-Trichloroethane	0.849	U	5.74	0.849
75-34-3	1,1-Dichloroethane	0.998	U	5.74	0.998
78-87-5	1,2-Dichloropropane	0.814	U	5.74	0.814
594-20-7	2,2-Dichloropropane	2.09	U	5.74	2.09
74-95-3	Dibromomethane	0.860	U	5.74	0.860
67-66-3	Chloroform	0.757	U	5.74	0.757
75-27-4	Bromodichloromethane	0.757	U	5.74	0.757
110-75-8	2-Chloroethyl vinyl ether	1.12	U *	11.5	1.12
563-58-6	1,1-Dichloropropene	0.746	U	5.74	0.746
10061-01-5	cis-1,3-Dichloropropene	0.619	U	5.74	0.619
108-88-3	Toluene	1.58	U	5.74	1.58
10061-02-6	trans-1,3-Dichloropropene	0.665	U	5.74	0.665
79-00-5	1,1,2-Trichloroethane	0.837	U	45.9	0.837
127-18-4	Tetrachloroethene	0.814	U	5.74	0.814
142-28-9	1,3-Dichloropropane	0.723	U	5.74	0.723
124-48-1	Chlorodibromomethane	1.08	U	5.74	1.08
106-93-4	1,2-Dibromoethane	1.17	U	5.74	1.17
108-90-7	Chlorobenzene	1.10	U	5.74	1.10
630-20-6	1,1,1,2-Tetrachloroethane	1.61	U	5.74	1.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-5-6-11112013 | Lab Sample ID: 600-82738-15

Matrix: Solid | Lab File ID: E32419.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:15

Sample wt/vol: 5.14(g) | Date Analyzed: 11/20/2013 19:54

Soil Aliquot Vol: | Dilution Factor: 0.97

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.17	U	5.74	1.17
179601-23-1	m-Xylene & p-Xylene	1.74	U	11.5	1.74
1330-20-7	Xylenes, Total	1.30	U	5.74	1.30
95-47-6	o-Xylene	1.30	U	5.74	1.30
100-42-5	Styrene	0.814	U	5.74	0.814
75-25-2	Bromoform	1.57	U	5.74	1.57
98-82-8	Isopropylbenzene	1.06	U	5.74	1.06
108-86-1	Bromobenzene	1.14	U	5.74	1.14
96-18-4	1,2,3-Trichloropropane	1.50	U	5.74	1.50
79-34-5	1,1,2,2-Tetrachloroethane	0.998	U	5.74	0.998
103-65-1	N-Propylbenzene	1.09	U	5.74	1.09
95-49-8	2-Chlorotoluene	0.780	U	5.74	0.780
106-43-4	4-Chlorotoluene	0.952	U	5.74	0.952
108-67-8	1,3,5-Trimethylbenzene	1.84	U	5.74	1.84
98-06-6	tert-Butylbenzene	1.09	U	5.74	1.09
99-87-6	4-Isopropyltoluene	1.17	U	5.74	1.17
95-63-6	1,2,4-Trimethylbenzene	1.06	U	5.74	1.06
135-98-8	sec-Butylbenzene	0.803	U	5.74	0.803
541-73-1	1,3-Dichlorobenzene	0.814	U	5.74	0.814
106-46-7	1,4-Dichlorobenzene	0.757	U	5.74	0.757
95-50-1	1,2-Dichlorobenzene	0.918	U	5.74	0.918
104-51-8	n-Butylbenzene	0.665	U	5.74	0.665
96-12-8	1,2-Dibromo-3-Chloropropane	2.80	U	5.74	2.80
120-82-1	1,2,4-Trichlorobenzene	2.26	U	5.74	2.26
87-68-3	Hexachlorobutadiene	1.30	U	5.74	1.30
91-20-3	Naphthalene	2.72	U	11.5	2.72
87-61-6	1,2,3-Trichlorobenzene	0.711	U	5.74	0.711
75-15-0	Carbon disulfide	0.631	U	11.5	0.631
67-64-1	Acetone	2.57	J *	11.5	1.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-5-6-11112013 | Lab Sample ID: 600-82738-15

Matrix: Solid | Lab File ID: E32419.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:15

Sample wt/vol: 5.14(g) | Date Analyzed: 11/20/2013 19:54

Soil Aliquot Vol: | Dilution Factor: 0.97

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.4 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	91		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-15-16-11112013 Lab Sample ID: 600-82738-16

Matrix: Solid Lab File ID: E32424.D

Analysis Method: 8260B Date Collected: 11/11/2013 16:30

Sample wt/vol: 6.01(g) Date Analyzed: 11/20/2013 22:18

Soil Aliquot Vol: Dilution Factor: 0.83

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.42	U	4.62	1.42
74-87-3	Chloromethane	1.53	U	9.23	1.53
75-01-4	Vinyl chloride	0.831	U	9.23	0.831
74-83-9	Bromomethane	0.766	U	9.23	0.766
75-00-3	Chloroethane	1.29	U	9.23	1.29
75-69-4	Trichlorofluoromethane	0.609	U	9.23	0.609
75-35-4	1,1-Dichloroethene	1.13	U	4.62	1.13
156-60-5	trans-1,2-Dichloroethene	1.05	U	4.62	1.05
1634-04-4	Methyl tert-butyl ether	1.69	U	4.62	1.69
75-09-2	Methylene Chloride	4.20	J B	9.23	2.02
156-59-2	cis-1,2-Dichloroethene	0.766	U	4.62	0.766
78-93-3	2-Butanone (MEK)	1.75	U	9.23	1.75
74-97-5	Bromochloromethane	1.64	U	4.62	1.64
56-23-5	Carbon tetrachloride	1.04	U	4.62	1.04
71-43-2	Benzene	0.704	J	4.62	0.582
107-06-2	1,2-Dichloroethane	0.831	U	4.62	0.831
79-01-6	Trichloroethene	1.29	U	4.62	1.29
71-55-6	1,1,1-Trichloroethane	0.683	U	4.62	0.683
75-34-3	1,1-Dichloroethane	0.803	U	4.62	0.803
78-87-5	1,2-Dichloropropane	0.656	U	4.62	0.656
594-20-7	2,2-Dichloropropane	1.68	U	4.62	1.68
74-95-3	Dibromomethane	0.693	U	4.62	0.693
67-66-3	Chloroform	0.609	U	4.62	0.609
75-27-4	Bromodichloromethane	0.609	U	4.62	0.609
110-75-8	2-Chloroethyl vinyl ether	0.905	U *	9.23	0.905
563-58-6	1,1-Dichloropropene	0.600	U	4.62	0.600
10061-01-5	cis-1,3-Dichloropropene	0.499	U	4.62	0.499
108-88-3	Toluene	1.27	U	4.62	1.27
10061-02-6	trans-1,3-Dichloropropene	0.536	U	4.62	0.536
79-00-5	1,1,2-Trichloroethane	0.674	U	36.9	0.674
127-18-4	Tetrachloroethene	0.656	U	4.62	0.656
142-28-9	1,3-Dichloropropane	0.582	U	4.62	0.582
124-48-1	Chlorodibromomethane	0.868	U	4.62	0.868
106-93-4	1,2-Dibromoethane	0.942	U	4.62	0.942
108-90-7	Chlorobenzene	0.886	U	4.62	0.886
630-20-6	1,1,1,2-Tetrachloroethane	1.29	U	4.62	1.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-15-16-11112013 | Lab Sample ID: 600-82738-16

Matrix: Solid | Lab File ID: E32424.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:30

Sample wt/vol: 6.01(g) | Date Analyzed: 11/20/2013 22:18

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.942	U	4.62	0.942
179601-23-1	m-Xylene & p-Xylene	1.40	U	9.23	1.40
1330-20-7	Xylenes, Total	1.04	U	4.62	1.04
95-47-6	o-Xylene	1.04	U	4.62	1.04
100-42-5	Styrene	0.656	U	4.62	0.656
75-25-2	Bromoform	1.27	U	4.62	1.27
98-82-8	Isopropylbenzene	0.850	U	4.62	0.850
108-86-1	Bromobenzene	0.914	U	4.62	0.914
96-18-4	1,2,3-Trichloropropane	1.21	U	4.62	1.21
79-34-5	1,1,2,2-Tetrachloroethane	0.803	U	4.62	0.803
103-65-1	N-Propylbenzene	0.877	U	4.62	0.877
95-49-8	2-Chlorotoluene	0.628	U	4.62	0.628
106-43-4	4-Chlorotoluene	0.766	U	4.62	0.766
108-67-8	1,3,5-Trimethylbenzene	1.48	U	4.62	1.48
98-06-6	tert-Butylbenzene	0.877	U	4.62	0.877
99-87-6	4-Isopropyltoluene	0.942	U	4.62	0.942
95-63-6	1,2,4-Trimethylbenzene	0.850	U	4.62	0.850
135-98-8	sec-Butylbenzene	0.646	U	4.62	0.646
541-73-1	1,3-Dichlorobenzene	0.656	U	4.62	0.656
106-46-7	1,4-Dichlorobenzene	0.609	U	4.62	0.609
95-50-1	1,2-Dichlorobenzene	0.739	U	4.62	0.739
104-51-8	n-Butylbenzene	0.536	U	4.62	0.536
96-12-8	1,2-Dibromo-3-Chloropropane	2.25	U	4.62	2.25
120-82-1	1,2,4-Trichlorobenzene	1.82	U	4.62	1.82
87-68-3	Hexachlorobutadiene	1.04	U	4.62	1.04
91-20-3	Naphthalene	2.19	U	9.23	2.19
87-61-6	1,2,3-Trichlorobenzene	0.573	U	4.62	0.573
75-15-0	Carbon disulfide	0.508	U	9.23	0.508
67-64-1	Acetone	1.53	U *	9.23	1.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-15-16-11112013 | Lab Sample ID: 600-82738-16

Matrix: Solid | Lab File ID: E32424.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:30

Sample wt/vol: 6.01(g) | Date Analyzed: 11/20/2013 22:18

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-18-19-11112013 | Lab Sample ID: 600-82738-17

Matrix: Solid | Lab File ID: J33020.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:55

Sample wt/vol: 5.36(g) | Date Analyzed: 11/26/2013 18:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	71.8	U	233	71.8
74-87-3	Chloromethane	77.4	U	466	77.4
75-01-4	Vinyl chloride	42.0	U	466	42.0
74-83-9	Bromomethane	232	J B	466	38.7
75-00-3	Chloroethane	65.3	U	466	65.3
75-69-4	Trichlorofluoromethane	30.8	U	466	30.8
75-35-4	1,1-Dichloroethene	56.9	U	233	56.9
156-60-5	trans-1,2-Dichloroethene	53.2	U	233	53.2
1634-04-4	Methyl tert-butyl ether	85.4	U	233	85.4
75-09-2	Methylene Chloride	102	U	466	102
156-59-2	cis-1,2-Dichloroethene	38.7	U	233	38.7
78-93-3	2-Butanone (MEK)	88.6	U	466	88.6
74-97-5	Bromochloromethane	83.0	U	233	83.0
56-23-5	Carbon tetrachloride	52.7	U	233	52.7
71-43-2	Benzene	29.4	U	233	29.4
107-06-2	1,2-Dichloroethane	42.0	U	233	42.0
79-01-6	Trichloroethene	65.3	U	233	65.3
71-55-6	1,1,1-Trichloroethane	34.5	U	233	34.5
75-34-3	1,1-Dichloroethane	40.6	U	233	40.6
78-87-5	1,2-Dichloropropane	33.1	U	233	33.1
594-20-7	2,2-Dichloropropane	84.9	U	233	84.9
74-95-3	Dibromomethane	35.0	U	233	35.0
67-66-3	Chloroform	30.8	U	233	30.8
75-27-4	Bromodichloromethane	30.8	U	233	30.8
110-75-8	2-Chloroethyl vinyl ether	45.7	U *	466	45.7
563-58-6	1,1-Dichloropropene	30.3	U	233	30.3
10061-01-5	cis-1,3-Dichloropropene	25.2	U	233	25.2
108-88-3	Toluene	64.4	U	233	64.4
10061-02-6	trans-1,3-Dichloropropene	27.1	U	233	27.1
79-00-5	1,1,2-Trichloroethane	34.0	U	1870	34.0
127-18-4	Tetrachloroethene	33.1	U	233	33.1
142-28-9	1,3-Dichloropropane	29.4	U	233	29.4
124-48-1	Chlorodibromomethane	43.8	U	233	43.8
106-93-4	1,2-Dibromoethane	47.6	U	233	47.6
108-90-7	Chlorobenzene	44.8	U	233	44.8
630-20-6	1,1,1,2-Tetrachloroethane	65.3	U	233	65.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-18-19-11112013 | Lab Sample ID: 600-82738-17

Matrix: Solid | Lab File ID: J33020.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:55

Sample wt/vol: 5.36(g) | Date Analyzed: 11/26/2013 18:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	47.6	U	233	47.6
179601-23-1	m-Xylene & p-Xylene	70.9	U	466	70.9
1330-20-7	Xylenes, Total	52.7	U	233	52.7
95-47-6	o-Xylene	52.7	U	233	52.7
100-42-5	Styrene	33.1	U	233	33.1
75-25-2	Bromoform	63.9	U	233	63.9
98-82-8	Isopropylbenzene	93.3	J	233	42.9
108-86-1	Bromobenzene	46.2	U	233	46.2
96-18-4	1,2,3-Trichloropropane	61.1	U	233	61.1
79-34-5	1,1,2,2-Tetrachloroethane	40.6	U	233	40.6
103-65-1	N-Propylbenzene	133	J	233	44.3
95-49-8	2-Chlorotoluene	31.7	U	233	31.7
106-43-4	4-Chlorotoluene	38.7	U	233	38.7
108-67-8	1,3,5-Trimethylbenzene	101	J	233	74.6
98-06-6	tert-Butylbenzene	44.3	U	233	44.3
99-87-6	4-Isopropyltoluene	47.6	U	233	47.6
95-63-6	1,2,4-Trimethylbenzene	528		233	42.9
135-98-8	sec-Butylbenzene	1050		233	32.6
541-73-1	1,3-Dichlorobenzene	33.1	U	233	33.1
106-46-7	1,4-Dichlorobenzene	30.8	U	233	30.8
95-50-1	1,2-Dichlorobenzene	37.3	U	233	37.3
104-51-8	n-Butylbenzene	313		233	27.1
96-12-8	1,2-Dibromo-3-Chloropropane	114	U	233	114
120-82-1	1,2,4-Trichlorobenzene	91.9	U	233	91.9
87-68-3	Hexachlorobutadiene	52.7	U	233	52.7
91-20-3	Naphthalene	991	B	466	111
87-61-6	1,2,3-Trichlorobenzene	28.9	U	233	28.9
67-64-1	Acetone	77.4	U	466	77.4
75-15-0	Carbon disulfide	25.7	U	466	25.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-18-19-11112013 | Lab Sample ID: 600-82738-17

Matrix: Solid | Lab File ID: J33020.D

Analysis Method: 8260B | Date Collected: 11/11/2013 16:55

Sample wt/vol: 5.36(g) | Date Analyzed: 11/26/2013 18:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	92		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-24-25-11112013 | Lab Sample ID: 600-82738-18

Matrix: Solid | Lab File ID: E32421.D

Analysis Method: 8260B | Date Collected: 11/11/2013 17:05

Sample wt/vol: 7.19(g) | Date Analyzed: 11/20/2013 20:52

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.21	U	3.94	1.21
74-87-3	Chloromethane	1.31	U	7.88	1.31
75-01-4	Vinyl chloride	0.710	U	7.88	0.710
74-83-9	Bromomethane	0.654	U	7.88	0.654
75-00-3	Chloroethane	1.10	U	7.88	1.10
75-69-4	Trichlorofluoromethane	0.520	U	7.88	0.520
75-35-4	1,1-Dichloroethene	0.962	U	3.94	0.962
156-60-5	trans-1,2-Dichloroethene	0.899	U	3.94	0.899
1634-04-4	Methyl tert-butyl ether	1.44	U	3.94	1.44
75-09-2	Methylene Chloride	1.85	J B	7.88	1.73
156-59-2	cis-1,2-Dichloroethene	0.654	U	3.94	0.654
78-93-3	2-Butanone (MEK)	1.50	U	7.88	1.50
74-97-5	Bromochloromethane	1.40	U	3.94	1.40
56-23-5	Carbon tetrachloride	0.891	U	3.94	0.891
71-43-2	Benzene	2.48	J	3.94	0.497
107-06-2	1,2-Dichloroethane	0.710	U	3.94	0.710
79-01-6	Trichloroethene	1.10	U	3.94	1.10
71-55-6	1,1,1-Trichloroethane	0.583	U	3.94	0.583
75-34-3	1,1-Dichloroethane	0.686	U	3.94	0.686
78-87-5	1,2-Dichloropropane	0.560	U	3.94	0.560
594-20-7	2,2-Dichloropropane	1.44	U	3.94	1.44
74-95-3	Dibromomethane	0.591	U	3.94	0.591
67-66-3	Chloroform	0.520	U	3.94	0.520
75-27-4	Bromodichloromethane	0.520	U	3.94	0.520
110-75-8	2-Chloroethyl vinyl ether	0.773	U *	7.88	0.773
563-58-6	1,1-Dichloropropene	0.513	U	3.94	0.513
10061-01-5	cis-1,3-Dichloropropene	0.426	U	3.94	0.426
108-88-3	Toluene	2.76	J	3.94	1.09
10061-02-6	trans-1,3-Dichloropropene	0.457	U	3.94	0.457
79-00-5	1,1,2-Trichloroethane	0.576	U	31.5	0.576
127-18-4	Tetrachloroethene	0.560	U	3.94	0.560
142-28-9	1,3-Dichloropropane	0.497	U	3.94	0.497
124-48-1	Chlorodibromomethane	0.741	U	3.94	0.741
106-93-4	1,2-Dibromoethane	0.804	U	3.94	0.804
108-90-7	Chlorobenzene	0.757	U	3.94	0.757
630-20-6	1,1,1,2-Tetrachloroethane	1.10	U	3.94	1.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-24-25-11112013 | Lab Sample ID: 600-82738-18

Matrix: Solid | Lab File ID: E32421.D

Analysis Method: 8260B | Date Collected: 11/11/2013 17:05

Sample wt/vol: 7.19(g) | Date Analyzed: 11/20/2013 20:52

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.804	U	3.94	0.804
179601-23-1	m-Xylene & p-Xylene	1.20	U	7.88	1.20
1330-20-7	Xylenes, Total	0.891	U	3.94	0.891
95-47-6	o-Xylene	0.891	U	3.94	0.891
100-42-5	Styrene	0.560	U	3.94	0.560
75-25-2	Bromoform	1.08	U	3.94	1.08
98-82-8	Isopropylbenzene	0.725	U	3.94	0.725
108-86-1	Bromobenzene	0.781	U	3.94	0.781
96-18-4	1,2,3-Trichloropropane	1.03	U	3.94	1.03
79-34-5	1,1,2,2-Tetrachloroethane	0.686	U	3.94	0.686
103-65-1	N-Propylbenzene	0.749	U	3.94	0.749
95-49-8	2-Chlorotoluene	0.536	U	3.94	0.536
106-43-4	4-Chlorotoluene	0.654	U	3.94	0.654
108-67-8	1,3,5-Trimethylbenzene	1.26	U	3.94	1.26
98-06-6	tert-Butylbenzene	0.749	U	3.94	0.749
99-87-6	4-Isopropyltoluene	0.804	U	3.94	0.804
95-63-6	1,2,4-Trimethylbenzene	0.725	U	3.94	0.725
135-98-8	sec-Butylbenzene	1.04	J	3.94	0.552
541-73-1	1,3-Dichlorobenzene	0.560	U	3.94	0.560
106-46-7	1,4-Dichlorobenzene	0.520	U	3.94	0.520
95-50-1	1,2-Dichlorobenzene	0.631	U	3.94	0.631
104-51-8	n-Butylbenzene	0.457	U	3.94	0.457
96-12-8	1,2-Dibromo-3-Chloropropane	1.92	U	3.94	1.92
120-82-1	1,2,4-Trichlorobenzene	1.55	U	3.94	1.55
87-68-3	Hexachlorobutadiene	0.891	U	3.94	0.891
91-20-3	Naphthalene	1.87	U	7.88	1.87
87-61-6	1,2,3-Trichlorobenzene	0.489	U	3.94	0.489
75-15-0	Carbon disulfide	0.434	U	7.88	0.434
67-64-1	Acetone	52.9	*	7.88	1.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB03-24-25-11112013 | Lab Sample ID: 600-82738-18

Matrix: Solid | Lab File ID: E32421.D

Analysis Method: 8260B | Date Collected: 11/11/2013 17:05

Sample wt/vol: 7.19(g) | Date Analyzed: 11/20/2013 20:52

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-130
1868-53-7	Dibromofluoromethane	89		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-2-3-11122013 | Lab Sample ID: 600-82738-20

Matrix: Solid | Lab File ID: E32420.D

Analysis Method: 8260B | Date Collected: 11/12/2013 08:50

Sample wt/vol: 5.32(g) | Date Analyzed: 11/20/2013 20:23

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.43	U	4.66	1.43
74-87-3	Chloromethane	1.55	U	9.32	1.55
75-01-4	Vinyl chloride	0.839	U	9.32	0.839
74-83-9	Bromomethane	0.773	U	9.32	0.773
75-00-3	Chloroethane	1.30	U	9.32	1.30
75-69-4	Trichlorofluoromethane	0.615	U	9.32	0.615
75-35-4	1,1-Dichloroethene	1.14	U	4.66	1.14
156-60-5	trans-1,2-Dichloroethene	1.06	U	4.66	1.06
1634-04-4	Methyl tert-butyl ether	1.71	U	4.66	1.71
75-09-2	Methylene Chloride	2.04	U	9.32	2.04
156-59-2	cis-1,2-Dichloroethene	0.773	U	4.66	0.773
78-93-3	2-Butanone (MEK)	1.77	U	9.32	1.77
74-97-5	Bromochloromethane	1.66	U	4.66	1.66
56-23-5	Carbon tetrachloride	1.05	U	4.66	1.05
71-43-2	Benzene	0.676	J	4.66	0.587
107-06-2	1,2-Dichloroethane	0.839	U	4.66	0.839
79-01-6	Trichloroethene	1.30	U	4.66	1.30
71-55-6	1,1,1-Trichloroethane	0.690	U	4.66	0.690
75-34-3	1,1-Dichloroethane	0.811	U	4.66	0.811
78-87-5	1,2-Dichloropropane	0.662	U	4.66	0.662
594-20-7	2,2-Dichloropropane	1.70	U	4.66	1.70
74-95-3	Dibromomethane	0.699	U	4.66	0.699
67-66-3	Chloroform	0.615	U	4.66	0.615
75-27-4	Bromodichloromethane	0.615	U	4.66	0.615
110-75-8	2-Chloroethyl vinyl ether	0.913	U *	9.32	0.913
563-58-6	1,1-Dichloropropene	0.606	U	4.66	0.606
10061-01-5	cis-1,3-Dichloropropene	0.503	U	4.66	0.503
108-88-3	Toluene	1.29	U	4.66	1.29
10061-02-6	trans-1,3-Dichloropropene	0.540	U	4.66	0.540
79-00-5	1,1,2-Trichloroethane	0.680	U	37.3	0.680
127-18-4	Tetrachloroethene	0.662	U	4.66	0.662
142-28-9	1,3-Dichloropropane	0.587	U	4.66	0.587
124-48-1	Chlorodibromomethane	0.876	U	4.66	0.876
106-93-4	1,2-Dibromoethane	0.950	U	4.66	0.950
108-90-7	Chlorobenzene	0.895	U	4.66	0.895
630-20-6	1,1,1,2-Tetrachloroethane	1.30	U	4.66	1.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-2-3-11122013 | Lab Sample ID: 600-82738-20

Matrix: Solid | Lab File ID: E32420.D

Analysis Method: 8260B | Date Collected: 11/12/2013 08:50

Sample wt/vol: 5.32(g) | Date Analyzed: 11/20/2013 20:23

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.950	U	4.66	0.950
179601-23-1	m-Xylene & p-Xylene	1.42	U	9.32	1.42
1330-20-7	Xylenes, Total	1.05	U	4.66	1.05
95-47-6	o-Xylene	1.05	U	4.66	1.05
100-42-5	Styrene	0.662	U	4.66	0.662
75-25-2	Bromoform	1.28	U	4.66	1.28
98-82-8	Isopropylbenzene	0.857	U	4.66	0.857
108-86-1	Bromobenzene	0.922	U	4.66	0.922
96-18-4	1,2,3-Trichloropropane	1.22	U	4.66	1.22
79-34-5	1,1,2,2-Tetrachloroethane	0.811	U	4.66	0.811
103-65-1	N-Propylbenzene	0.885	U	4.66	0.885
95-49-8	2-Chlorotoluene	0.634	U	4.66	0.634
106-43-4	4-Chlorotoluene	0.773	U	4.66	0.773
108-67-8	1,3,5-Trimethylbenzene	1.49	U	4.66	1.49
98-06-6	tert-Butylbenzene	0.885	U	4.66	0.885
99-87-6	4-Isopropyltoluene	0.950	U	4.66	0.950
95-63-6	1,2,4-Trimethylbenzene	0.857	U	4.66	0.857
135-98-8	sec-Butylbenzene	0.652	U	4.66	0.652
541-73-1	1,3-Dichlorobenzene	0.662	U	4.66	0.662
106-46-7	1,4-Dichlorobenzene	0.615	U	4.66	0.615
95-50-1	1,2-Dichlorobenzene	0.745	U	4.66	0.745
104-51-8	n-Butylbenzene	0.540	U	4.66	0.540
96-12-8	1,2-Dibromo-3-Chloropropane	2.27	U	4.66	2.27
120-82-1	1,2,4-Trichlorobenzene	1.84	U	4.66	1.84
87-68-3	Hexachlorobutadiene	1.05	U	4.66	1.05
91-20-3	Naphthalene	2.21	U	9.32	2.21
87-61-6	1,2,3-Trichlorobenzene	0.578	U	4.66	0.578
75-15-0	Carbon disulfide	0.512	U	9.32	0.512
67-64-1	Acetone	15.8	*	9.32	1.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-2-3-11122013 | Lab Sample ID: 600-82738-20

Matrix: Solid | Lab File ID: E32420.D

Analysis Method: 8260B | Date Collected: 11/12/2013 08:50

Sample wt/vol: 5.32(g) | Date Analyzed: 11/20/2013 20:23

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	83		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-5-6-11122013 | Lab Sample ID: 600-82738-21

Matrix: Solid | Lab File ID: E32422.D

Analysis Method: 8260B | Date Collected: 11/12/2013 08:55

Sample wt/vol: 5.60(g) | Date Analyzed: 11/20/2013 21:20

Soil Aliquot Vol: | Dilution Factor: 0.89

Soil Extract Vol.: | GC Column: DB-624 60 ID: 0.25(mm)

% Moisture: 12.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.56	U	5.06	1.56
74-87-3	Chloromethane	1.68	U	10.1	1.68
75-01-4	Vinyl chloride	0.911	U	10.1	0.911
74-83-9	Bromomethane	0.841	U	10.1	0.841
75-00-3	Chloroethane	1.42	U	10.1	1.42
75-69-4	Trichlorofluoromethane	0.668	U	10.1	0.668
75-35-4	1,1-Dichloroethene	1.24	U	5.06	1.24
156-60-5	trans-1,2-Dichloroethene	1.15	U	5.06	1.15
1634-04-4	Methyl tert-butyl ether	1.85	U	5.06	1.85
75-09-2	Methylene Chloride	2.93	J B	10.1	2.22
156-59-2	cis-1,2-Dichloroethene	0.841	U	5.06	0.841
78-93-3	2-Butanone (MEK)	1.92	U	10.1	1.92
74-97-5	Bromochloromethane	1.80	U	5.06	1.80
56-23-5	Carbon tetrachloride	1.14	U	5.06	1.14
71-43-2	Benzene	0.638	U	5.06	0.638
107-06-2	1,2-Dichloroethane	0.911	U	5.06	0.911
79-01-6	Trichloroethene	1.42	U	5.06	1.42
71-55-6	1,1,1-Trichloroethane	0.749	U	5.06	0.749
75-34-3	1,1-Dichloroethane	0.881	U	5.06	0.881
78-87-5	1,2-Dichloropropane	0.719	U	5.06	0.719
594-20-7	2,2-Dichloropropane	1.84	U	5.06	1.84
74-95-3	Dibromomethane	0.760	U	5.06	0.760
67-66-3	Chloroform	0.668	U	5.06	0.668
75-27-4	Bromodichloromethane	0.668	U	5.06	0.668
110-75-8	2-Chloroethyl vinyl ether	0.993	U *	10.1	0.993
563-58-6	1,1-Dichloropropene	0.658	U	5.06	0.658
10061-01-5	cis-1,3-Dichloropropene	0.547	U	5.06	0.547
108-88-3	Toluene	1.40	U	5.06	1.40
10061-02-6	trans-1,3-Dichloropropene	0.587	U	5.06	0.587
79-00-5	1,1,2-Trichloroethane	0.739	U	40.5	0.739
127-18-4	Tetrachloroethene	0.719	U	5.06	0.719
142-28-9	1,3-Dichloropropane	0.638	U	5.06	0.638
124-48-1	Chlorodibromomethane	0.952	U	5.06	0.952
106-93-4	1,2-Dibromoethane	1.03	U	5.06	1.03
108-90-7	Chlorobenzene	0.972	U	5.06	0.972
630-20-6	1,1,1,2-Tetrachloroethane	1.42	U	5.06	1.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-5-6-11122013 Lab Sample ID: 600-82738-21

Matrix: Solid Lab File ID: E32422.D

Analysis Method: 8260B Date Collected: 11/12/2013 08:55

Sample wt/vol: 5.60(g) Date Analyzed: 11/20/2013 21:20

Soil Aliquot Vol: Dilution Factor: 0.89

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 12.1 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.03	U	5.06	1.03
179601-23-1	m-Xylene & p-Xylene	1.54	U	10.1	1.54
1330-20-7	Xylenes, Total	1.14	U	5.06	1.14
95-47-6	o-Xylene	1.14	U	5.06	1.14
100-42-5	Styrene	0.719	U	5.06	0.719
75-25-2	Bromoform	1.39	U	5.06	1.39
98-82-8	Isopropylbenzene	0.932	U	5.06	0.932
108-86-1	Bromobenzene	1.00	U	5.06	1.00
96-18-4	1,2,3-Trichloropropane	1.33	U	5.06	1.33
79-34-5	1,1,2,2-Tetrachloroethane	0.881	U	5.06	0.881
103-65-1	N-Propylbenzene	0.962	U	5.06	0.962
95-49-8	2-Chlorotoluene	0.689	U	5.06	0.689
106-43-4	4-Chlorotoluene	0.841	U	5.06	0.841
108-67-8	1,3,5-Trimethylbenzene	1.62	U	5.06	1.62
98-06-6	tert-Butylbenzene	0.962	U	5.06	0.962
99-87-6	4-Isopropyltoluene	1.03	U	5.06	1.03
95-63-6	1,2,4-Trimethylbenzene	0.932	U	5.06	0.932
135-98-8	sec-Butylbenzene	0.709	U	5.06	0.709
541-73-1	1,3-Dichlorobenzene	0.719	U	5.06	0.719
106-46-7	1,4-Dichlorobenzene	0.668	U	5.06	0.668
95-50-1	1,2-Dichlorobenzene	0.810	U	5.06	0.810
104-51-8	n-Butylbenzene	0.587	U	5.06	0.587
96-12-8	1,2-Dibromo-3-Chloropropane	2.47	U	5.06	2.47
120-82-1	1,2,4-Trichlorobenzene	2.00	U	5.06	2.00
87-68-3	Hexachlorobutadiene	1.14	U	5.06	1.14
91-20-3	Naphthalene	2.40	U	10.1	2.40
87-61-6	1,2,3-Trichlorobenzene	0.628	U	5.06	0.628
75-15-0	Carbon disulfide	0.557	U	10.1	0.557
67-64-1	Acetone	1.68	U *	10.1	1.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-5-6-11122013 | Lab Sample ID: 600-82738-21

Matrix: Solid | Lab File ID: E32422.D

Analysis Method: 8260B | Date Collected: 11/12/2013 08:55

Sample wt/vol: 5.60(g) | Date Analyzed: 11/20/2013 21:20

Soil Aliquot Vol: | Dilution Factor: 0.89

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 12.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	89		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-15-16-11122013 | Lab Sample ID: 600-82738-22

Matrix: Solid | Lab File ID: E32509.D

Analysis Method: 8260B | Date Collected: 11/12/2013 09:10

Sample wt/vol: 6.35(g) | Date Analyzed: 11/21/2013 17:34

Soil Aliquot Vol: | Dilution Factor: 0.79

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.41	U	4.57	1.41
74-87-3	Chloromethane	1.52	U	9.14	1.52
75-01-4	Vinyl chloride	0.822	U	9.14	0.822
74-83-9	Bromomethane	0.758	U	9.14	0.758
75-00-3	Chloroethane	1.28	U	9.14	1.28
75-69-4	Trichlorofluoromethane	0.603	U	9.14	0.603
75-35-4	1,1-Dichloroethene	1.11	U	4.57	1.11
156-60-5	trans-1,2-Dichloroethene	1.04	U	4.57	1.04
1634-04-4	Methyl tert-butyl ether	1.67	U	4.57	1.67
75-09-2	Methylene Chloride	4.00	J B	9.14	2.00
156-59-2	cis-1,2-Dichloroethene	0.758	U	4.57	0.758
78-93-3	2-Butanone (MEK)	1.74	U	9.14	1.74
74-97-5	Bromochloromethane	1.63	U	4.57	1.63
56-23-5	Carbon tetrachloride	1.03	U	4.57	1.03
71-43-2	Benzene	3.38	J	4.57	0.576
107-06-2	1,2-Dichloroethane	0.822	U	4.57	0.822
79-01-6	Trichloroethene	1.28	U	4.57	1.28
71-55-6	1,1,1-Trichloroethane	0.676	U	4.57	0.676
75-34-3	1,1-Dichloroethane	0.795	U	4.57	0.795
78-87-5	1,2-Dichloropropane	0.649	U	4.57	0.649
594-20-7	2,2-Dichloropropane	1.66	U	4.57	1.66
74-95-3	Dibromomethane	0.685	U	4.57	0.685
67-66-3	Chloroform	0.603	U	4.57	0.603
75-27-4	Bromodichloromethane	0.603	U	4.57	0.603
110-75-8	2-Chloroethyl vinyl ether	0.895	U *	9.14	0.895
563-58-6	1,1-Dichloropropene	0.594	U	4.57	0.594
10061-01-5	cis-1,3-Dichloropropene	0.493	U	4.57	0.493
108-88-3	Toluene	3.50	J	4.57	1.26
10061-02-6	trans-1,3-Dichloropropene	0.530	U	4.57	0.530
79-00-5	1,1,2-Trichloroethane	0.667	U	36.5	0.667
127-18-4	Tetrachloroethene	0.649	U	4.57	0.649
142-28-9	1,3-Dichloropropane	0.576	U	4.57	0.576
124-48-1	Chlorodibromomethane	0.859	U	4.57	0.859
106-93-4	1,2-Dibromoethane	0.932	U	4.57	0.932
108-90-7	Chlorobenzene	0.877	U	4.57	0.877
630-20-6	1,1,1,2-Tetrachloroethane	1.28	U	4.57	1.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-15-16-11122013 | Lab Sample ID: 600-82738-22

Matrix: Solid | Lab File ID: E32509.D

Analysis Method: 8260B | Date Collected: 11/12/2013 09:10

Sample wt/vol: 6.35(g) | Date Analyzed: 11/21/2013 17:34

Soil Aliquot Vol: | Dilution Factor: 0.79

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.932	U	4.57	0.932
179601-23-1	m-Xylene & p-Xylene	1.39	U	9.14	1.39
1330-20-7	Xylenes, Total	1.03	U	4.57	1.03
95-47-6	o-Xylene	1.03	U	4.57	1.03
100-42-5	Styrene	0.649	U	4.57	0.649
75-25-2	Bromoform	1.25	U	4.57	1.25
98-82-8	Isopropylbenzene	0.840	U	4.57	0.840
108-86-1	Bromobenzene	0.904	U	4.57	0.904
96-18-4	1,2,3-Trichloropropane	1.20	U	4.57	1.20
79-34-5	1,1,2,2-Tetrachloroethane	0.795	U	4.57	0.795
103-65-1	N-Propylbenzene	0.868	U	4.57	0.868
95-49-8	2-Chlorotoluene	0.621	U	4.57	0.621
106-43-4	4-Chlorotoluene	0.758	U	4.57	0.758
108-67-8	1,3,5-Trimethylbenzene	1.46	U	4.57	1.46
98-06-6	tert-Butylbenzene	0.868	U	4.57	0.868
99-87-6	4-Isopropyltoluene	0.932	U	4.57	0.932
95-63-6	1,2,4-Trimethylbenzene	0.840	U	4.57	0.840
135-98-8	sec-Butylbenzene	0.639	U	4.57	0.639
541-73-1	1,3-Dichlorobenzene	0.649	U	4.57	0.649
106-46-7	1,4-Dichlorobenzene	0.603	U	4.57	0.603
95-50-1	1,2-Dichlorobenzene	0.731	U	4.57	0.731
104-51-8	n-Butylbenzene	0.530	U	4.57	0.530
96-12-8	1,2-Dibromo-3-Chloropropane	2.23	U	4.57	2.23
120-82-1	1,2,4-Trichlorobenzene	1.80	U	4.57	1.80
87-68-3	Hexachlorobutadiene	1.03	U	4.57	1.03
91-20-3	Naphthalene	2.17	U	9.14	2.17
87-61-6	1,2,3-Trichlorobenzene	0.566	U	4.57	0.566
75-15-0	Carbon disulfide	0.502	U	9.14	0.502
67-64-1	Acetone	36.8		9.14	1.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-15-16-11122013 Lab Sample ID: 600-82738-22

Matrix: Solid Lab File ID: E32509.D

Analysis Method: 8260B Date Collected: 11/12/2013 09:10

Sample wt/vol: 6.35(g) Date Analyzed: 11/21/2013 17:34

Soil Aliquot Vol: Dilution Factor: 0.79

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 13.5 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	78		50-130
1868-53-7	Dibromofluoromethane	82		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-20-21-11122013 Lab Sample ID: 600-82738-23

Matrix: Solid Lab File ID: E32510.D

Analysis Method: 8260B Date Collected: 11/12/2013 09:15

Sample wt/vol: 6.47(g) Date Analyzed: 11/21/2013 18:03

Soil Aliquot Vol: Dilution Factor: 0.77

Soil Extract Vol.: GC Column: DB-624 60 ID: 0.25(mm)

% Moisture: 19.2 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.47	U	4.76	1.47
74-87-3	Chloromethane	1.58	U	9.52	1.58
75-01-4	Vinyl chloride	0.857	U	9.52	0.857
74-83-9	Bromomethane	0.791	U	9.52	0.791
75-00-3	Chloroethane	1.33	U	9.52	1.33
75-69-4	Trichlorofluoromethane	0.629	U	9.52	0.629
75-35-4	1,1-Dichloroethene	1.16	U	4.76	1.16
156-60-5	trans-1,2-Dichloroethene	1.09	U	4.76	1.09
1634-04-4	Methyl tert-butyl ether	1.74	U	4.76	1.74
75-09-2	Methylene Chloride	4.54	J B	9.52	2.09
156-59-2	cis-1,2-Dichloroethene	0.791	U	4.76	0.791
78-93-3	2-Butanone (MEK)	1.81	U	9.52	1.81
74-97-5	Bromochloromethane	1.70	U	4.76	1.70
56-23-5	Carbon tetrachloride	1.08	U	4.76	1.08
71-43-2	Benzene	4.20	J	4.76	0.600
107-06-2	1,2-Dichloroethane	0.857	U	4.76	0.857
79-01-6	Trichloroethene	1.33	U	4.76	1.33
71-55-6	1,1,1-Trichloroethane	0.705	U	4.76	0.705
75-34-3	1,1-Dichloroethane	0.829	U	4.76	0.829
78-87-5	1,2-Dichloropropane	0.676	U	4.76	0.676
594-20-7	2,2-Dichloropropane	1.73	U	4.76	1.73
74-95-3	Dibromomethane	0.714	U	4.76	0.714
67-66-3	Chloroform	0.629	U	4.76	0.629
75-27-4	Bromodichloromethane	0.629	U	4.76	0.629
110-75-8	2-Chloroethyl vinyl ether	0.933	U *	9.52	0.933
563-58-6	1,1-Dichloropropene	0.619	U	4.76	0.619
10061-01-5	cis-1,3-Dichloropropene	0.514	U	4.76	0.514
108-88-3	Toluene	4.21	J	4.76	1.31
10061-02-6	trans-1,3-Dichloropropene	0.552	U	4.76	0.552
79-00-5	1,1,2-Trichloroethane	0.695	U	38.1	0.695
127-18-4	Tetrachloroethene	1.80	J	4.76	0.676
142-28-9	1,3-Dichloropropane	0.600	U	4.76	0.600
124-48-1	Chlorodibromomethane	0.895	U	4.76	0.895
106-93-4	1,2-Dibromoethane	0.971	U	4.76	0.971
108-90-7	Chlorobenzene	0.914	U	4.76	0.914
630-20-6	1,1,1,2-Tetrachloroethane	1.33	U	4.76	1.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-20-21-11122013 | Lab Sample ID: 600-82738-23

Matrix: Solid | Lab File ID: E32510.D

Analysis Method: 8260B | Date Collected: 11/12/2013 09:15

Sample wt/vol: 6.47(g) | Date Analyzed: 11/21/2013 18:03

Soil Aliquot Vol: | Dilution Factor: 0.77

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 19.2 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.971	U	4.76	0.971
179601-23-1	m-Xylene & p-Xylene	2.08	J	9.52	1.45
1330-20-7	Xylenes, Total	2.08	J	4.76	1.08
95-47-6	o-Xylene	1.08	U	4.76	1.08
100-42-5	Styrene	0.676	U	4.76	0.676
75-25-2	Bromoform	1.30	U	4.76	1.30
98-82-8	Isopropylbenzene	0.876	U	4.76	0.876
108-86-1	Bromobenzene	0.943	U	4.76	0.943
96-18-4	1,2,3-Trichloropropane	1.25	U	4.76	1.25
79-34-5	1,1,2,2-Tetrachloroethane	0.829	U	4.76	0.829
103-65-1	N-Propylbenzene	0.905	U	4.76	0.905
95-49-8	2-Chlorotoluene	0.648	U	4.76	0.648
106-43-4	4-Chlorotoluene	0.791	U	4.76	0.791
108-67-8	1,3,5-Trimethylbenzene	1.52	U	4.76	1.52
98-06-6	tert-Butylbenzene	0.905	U	4.76	0.905
99-87-6	4-Isopropyltoluene	0.971	U	4.76	0.971
95-63-6	1,2,4-Trimethylbenzene	1.18	J	4.76	0.876
135-98-8	sec-Butylbenzene	0.667	U	4.76	0.667
541-73-1	1,3-Dichlorobenzene	0.676	U	4.76	0.676
106-46-7	1,4-Dichlorobenzene	0.629	U	4.76	0.629
95-50-1	1,2-Dichlorobenzene	0.762	U	4.76	0.762
104-51-8	n-Butylbenzene	0.552	U	4.76	0.552
96-12-8	1,2-Dibromo-3-Chloropropane	2.32	U	4.76	2.32
120-82-1	1,2,4-Trichlorobenzene	1.88	U	4.76	1.88
87-68-3	Hexachlorobutadiene	1.08	U	4.76	1.08
91-20-3	Naphthalene	2.26	U	9.52	2.26
87-61-6	1,2,3-Trichlorobenzene	0.590	U	4.76	0.590
75-15-0	Carbon disulfide	0.524	U	9.52	0.524
67-64-1	Acetone	45.3		9.52	1.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-20-21-11122013 Lab Sample ID: 600-82738-23

Matrix: Solid Lab File ID: E32510.D

Analysis Method: 8260B Date Collected: 11/12/2013 09:15

Sample wt/vol: 6.47(g) Date Analyzed: 11/21/2013 18:03

Soil Aliquot Vol: Dilution Factor: 0.77

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 19.2 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	84		68-140
460-00-4	4-Bromofluorobenzene	78		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD04-20-21-11122013 | Lab Sample ID: 600-82738-24

Matrix: Solid | Lab File ID: E32511.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:00

Sample wt/vol: 6.58(g) | Date Analyzed: 11/21/2013 18:33

Soil Aliquot Vol: | Dilution Factor: 0.76

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.51	U	4.89	1.51
74-87-3	Chloromethane	1.62	U	9.78	1.62
75-01-4	Vinyl chloride	0.880	U	9.78	0.880
74-83-9	Bromomethane	0.812	U	9.78	0.812
75-00-3	Chloroethane	1.37	U	9.78	1.37
75-69-4	Trichlorofluoromethane	0.645	U	9.78	0.645
75-35-4	1,1-Dichloroethene	1.19	U	4.89	1.19
156-60-5	trans-1,2-Dichloroethene	1.11	U	4.89	1.11
1634-04-4	Methyl tert-butyl ether	1.79	U	4.89	1.79
75-09-2	Methylene Chloride	5.29	J B	9.78	2.14
156-59-2	cis-1,2-Dichloroethene	0.812	U	4.89	0.812
78-93-3	2-Butanone (MEK)	1.86	U	9.78	1.86
74-97-5	Bromochloromethane	1.74	U	4.89	1.74
56-23-5	Carbon tetrachloride	1.10	U	4.89	1.10
71-43-2	Benzene	3.80	J	4.89	0.616
107-06-2	1,2-Dichloroethane	0.880	U	4.89	0.880
79-01-6	Trichloroethene	1.37	U	4.89	1.37
71-55-6	1,1,1-Trichloroethane	0.724	U	4.89	0.724
75-34-3	1,1-Dichloroethane	0.851	U	4.89	0.851
78-87-5	1,2-Dichloropropane	0.694	U	4.89	0.694
594-20-7	2,2-Dichloropropane	1.78	U	4.89	1.78
74-95-3	Dibromomethane	0.733	U	4.89	0.733
67-66-3	Chloroform	0.645	U	4.89	0.645
75-27-4	Bromodichloromethane	0.645	U	4.89	0.645
110-75-8	2-Chloroethyl vinyl ether	0.958	U *	9.78	0.958
563-58-6	1,1-Dichloropropene	0.636	U	4.89	0.636
10061-01-5	cis-1,3-Dichloropropene	0.528	U	4.89	0.528
108-88-3	Toluene	3.65	J	4.89	1.35
10061-02-6	trans-1,3-Dichloropropene	0.567	U	4.89	0.567
79-00-5	1,1,2-Trichloroethane	0.714	U	39.1	0.714
127-18-4	Tetrachloroethene	1.30	J	4.89	0.694
142-28-9	1,3-Dichloropropane	0.616	U	4.89	0.616
124-48-1	Chlorodibromomethane	0.919	U	4.89	0.919
106-93-4	1,2-Dibromoethane	0.997	U	4.89	0.997
108-90-7	Chlorobenzene	0.939	U	4.89	0.939
630-20-6	1,1,1,2-Tetrachloroethane	1.37	U	4.89	1.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD04-20-21-11122013 | Lab Sample ID: 600-82738-24

Matrix: Solid | Lab File ID: E32511.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:00

Sample wt/vol: 6.58(g) | Date Analyzed: 11/21/2013 18:33

Soil Aliquot Vol: | Dilution Factor: 0.76

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.997	U	4.89	0.997
179601-23-1	m-Xylene & p-Xylene	1.50	J	9.78	1.49
1330-20-7	Xylenes, Total	1.50	J	4.89	1.10
95-47-6	o-Xylene	1.10	U	4.89	1.10
100-42-5	Styrene	0.694	U	4.89	0.694
75-25-2	Bromoform	1.34	U	4.89	1.34
98-82-8	Isopropylbenzene	0.900	U	4.89	0.900
108-86-1	Bromobenzene	0.968	U	4.89	0.968
96-18-4	1,2,3-Trichloropropane	1.28	U	4.89	1.28
79-34-5	1,1,2,2-Tetrachloroethane	0.851	U	4.89	0.851
103-65-1	N-Propylbenzene	0.929	U	4.89	0.929
95-49-8	2-Chlorotoluene	0.665	U	4.89	0.665
106-43-4	4-Chlorotoluene	0.812	U	4.89	0.812
108-67-8	1,3,5-Trimethylbenzene	1.56	U	4.89	1.56
98-06-6	tert-Butylbenzene	0.929	U	4.89	0.929
99-87-6	4-Isopropyltoluene	0.997	U	4.89	0.997
95-63-6	1,2,4-Trimethylbenzene	0.901	J	4.89	0.900
135-98-8	sec-Butylbenzene	0.684	U	4.89	0.684
541-73-1	1,3-Dichlorobenzene	0.694	U	4.89	0.694
106-46-7	1,4-Dichlorobenzene	0.645	U	4.89	0.645
95-50-1	1,2-Dichlorobenzene	0.782	U	4.89	0.782
104-51-8	n-Butylbenzene	0.567	U	4.89	0.567
96-12-8	1,2-Dibromo-3-Chloropropane	2.39	U	4.89	2.39
120-82-1	1,2,4-Trichlorobenzene	1.93	U	4.89	1.93
87-68-3	Hexachlorobutadiene	1.10	U	4.89	1.10
91-20-3	Naphthalene	2.32	U	9.78	2.32
87-61-6	1,2,3-Trichlorobenzene	0.606	U	4.89	0.606
75-15-0	Carbon disulfide	0.538	U	9.78	0.538
67-64-1	Acetone	52.9		9.78	1.62

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD04-20-21-11122013 | Lab Sample ID: 600-82738-24

Matrix: Solid | Lab File ID: E32511.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:00

Sample wt/vol: 6.58(g) | Date Analyzed: 11/21/2013 18:33

Soil Aliquot Vol: | Dilution Factor: 0.76

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	76		50-130
1868-53-7	Dibromofluoromethane	83		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-29-30-11122013 Lab Sample ID: 600-82738-25

Matrix: Solid Lab File ID: E32512.D

Analysis Method: 8260B Date Collected: 11/12/2013 10:05

Sample wt/vol: 7.16(g) Date Analyzed: 11/21/2013 19:02

Soil Aliquot Vol: Dilution Factor: 0.7

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 17.5 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.31	U	4.24	1.31
74-87-3	Chloromethane	1.41	U	8.48	1.41
75-01-4	Vinyl chloride	0.763	U	8.48	0.763
74-83-9	Bromomethane	0.704	U	8.48	0.704
75-00-3	Chloroethane	1.19	U	8.48	1.19
75-69-4	Trichlorofluoromethane	0.560	U	8.48	0.560
75-35-4	1,1-Dichloroethene	1.03	U	4.24	1.03
156-60-5	trans-1,2-Dichloroethene	0.967	U	4.24	0.967
1634-04-4	Methyl tert-butyl ether	1.55	U	4.24	1.55
75-09-2	Methylene Chloride	3.48	J B	8.48	1.86
156-59-2	cis-1,2-Dichloroethene	0.704	U	4.24	0.704
78-93-3	2-Butanone (MEK)	1.61	U	8.48	1.61
74-97-5	Bromochloromethane	1.51	U	4.24	1.51
56-23-5	Carbon tetrachloride	0.958	U	4.24	0.958
71-43-2	Benzene	0.534	U	4.24	0.534
107-06-2	1,2-Dichloroethane	0.763	U	4.24	0.763
79-01-6	Trichloroethene	1.19	U	4.24	1.19
71-55-6	1,1,1-Trichloroethane	0.628	U	4.24	0.628
75-34-3	1,1-Dichloroethane	0.738	U	4.24	0.738
78-87-5	1,2-Dichloropropane	0.602	U	4.24	0.602
594-20-7	2,2-Dichloropropane	1.54	U	4.24	1.54
74-95-3	Dibromomethane	0.636	U	4.24	0.636
67-66-3	Chloroform	0.560	U	4.24	0.560
75-27-4	Bromodichloromethane	0.560	U	4.24	0.560
110-75-8	2-Chloroethyl vinyl ether	0.831	U *	8.48	0.831
563-58-6	1,1-Dichloropropene	0.551	U	4.24	0.551
10061-01-5	cis-1,3-Dichloropropene	0.458	U	4.24	0.458
108-88-3	Toluene	1.17	U	4.24	1.17
10061-02-6	trans-1,3-Dichloropropene	0.492	U	4.24	0.492
79-00-5	1,1,2-Trichloroethane	0.619	U	33.9	0.619
127-18-4	Tetrachloroethene	0.602	U	4.24	0.602
142-28-9	1,3-Dichloropropane	0.534	U	4.24	0.534
124-48-1	Chlorodibromomethane	0.797	U	4.24	0.797
106-93-4	1,2-Dibromoethane	0.865	U	4.24	0.865
108-90-7	Chlorobenzene	0.814	U	4.24	0.814
630-20-6	1,1,1,2-Tetrachloroethane	1.19	U	4.24	1.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-29-30-11122013 | Lab Sample ID: 600-82738-25

Matrix: Solid | Lab File ID: E32512.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:05

Sample wt/vol: 7.16(g) | Date Analyzed: 11/21/2013 19:02

Soil Aliquot Vol: | Dilution Factor: 0.7

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 17.5 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.865	U	4.24	0.865
179601-23-1	m-Xylene & p-Xylene	1.29	U	8.48	1.29
1330-20-7	Xylenes, Total	0.958	U	4.24	0.958
95-47-6	o-Xylene	0.958	U	4.24	0.958
100-42-5	Styrene	0.602	U	4.24	0.602
75-25-2	Bromoform	1.16	U	4.24	1.16
98-82-8	Isopropylbenzene	0.780	U	4.24	0.780
108-86-1	Bromobenzene	0.840	U	4.24	0.840
96-18-4	1,2,3-Trichloropropane	1.11	U	4.24	1.11
79-34-5	1,1,2,2-Tetrachloroethane	0.738	U	4.24	0.738
103-65-1	N-Propylbenzene	0.806	U	4.24	0.806
95-49-8	2-Chlorotoluene	0.577	U	4.24	0.577
106-43-4	4-Chlorotoluene	0.704	U	4.24	0.704
108-67-8	1,3,5-Trimethylbenzene	1.36	U	4.24	1.36
98-06-6	tert-Butylbenzene	0.806	U	4.24	0.806
99-87-6	4-Isopropyltoluene	0.865	U	4.24	0.865
95-63-6	1,2,4-Trimethylbenzene	0.780	U	4.24	0.780
135-98-8	sec-Butylbenzene	0.594	U	4.24	0.594
541-73-1	1,3-Dichlorobenzene	0.602	U	4.24	0.602
106-46-7	1,4-Dichlorobenzene	0.560	U	4.24	0.560
95-50-1	1,2-Dichlorobenzene	0.678	U	4.24	0.678
104-51-8	n-Butylbenzene	0.492	U	4.24	0.492
96-12-8	1,2-Dibromo-3-Chloropropane	2.07	U	4.24	2.07
120-82-1	1,2,4-Trichlorobenzene	1.67	U	4.24	1.67
87-68-3	Hexachlorobutadiene	0.958	U	4.24	0.958
91-20-3	Naphthalene	2.01	U	8.48	2.01
87-61-6	1,2,3-Trichlorobenzene	0.526	U	4.24	0.526
75-15-0	Carbon disulfide	0.466	U	8.48	0.466
67-64-1	Acetone	7.64	J	8.48	1.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB04-29-30-11122013 Lab Sample ID: 600-82738-25

Matrix: Solid Lab File ID: E32512.D

Analysis Method: 8260B Date Collected: 11/12/2013 10:05

Sample wt/vol: 7.16(g) Date Analyzed: 11/21/2013 19:02

Soil Aliquot Vol: Dilution Factor: 0.7

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 17.5 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	81		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-2-3-11122013 | Lab Sample ID: 600-82738-26

Matrix: Solid | Lab File ID: E32513.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:55

Sample wt/vol: 5.65(g) | Date Analyzed: 11/21/2013 19:31

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.6 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.53	U	4.98	1.53
74-87-3	Chloromethane	1.65	U	9.96	1.65
75-01-4	Vinyl chloride	0.896	U	9.96	0.896
74-83-9	Bromomethane	0.827	U	9.96	0.827
75-00-3	Chloroethane	1.39	U	9.96	1.39
75-69-4	Trichlorofluoromethane	0.657	U	9.96	0.657
75-35-4	1,1-Dichloroethene	1.21	U	4.98	1.21
156-60-5	trans-1,2-Dichloroethene	1.14	U	4.98	1.14
1634-04-4	Methyl tert-butyl ether	1.82	U	4.98	1.82
75-09-2	Methylene Chloride	3.90	J B	9.96	2.18
156-59-2	cis-1,2-Dichloroethene	0.827	U	4.98	0.827
78-93-3	2-Butanone (MEK)	1.89	U	9.96	1.89
74-97-5	Bromochloromethane	1.77	U	4.98	1.77
56-23-5	Carbon tetrachloride	1.13	U	4.98	1.13
71-43-2	Benzene	0.627	U	4.98	0.627
107-06-2	1,2-Dichloroethane	0.896	U	4.98	0.896
79-01-6	Trichloroethene	1.39	U	4.98	1.39
71-55-6	1,1,1-Trichloroethane	0.737	U	4.98	0.737
75-34-3	1,1-Dichloroethane	0.866	U	4.98	0.866
78-87-5	1,2-Dichloropropane	0.707	U	4.98	0.707
594-20-7	2,2-Dichloropropane	1.81	U	4.98	1.81
74-95-3	Dibromomethane	0.747	U	4.98	0.747
67-66-3	Chloroform	0.657	U	4.98	0.657
75-27-4	Bromodichloromethane	0.657	U	4.98	0.657
110-75-8	2-Chloroethyl vinyl ether	0.976	U *	9.96	0.976
563-58-6	1,1-Dichloropropene	0.647	U	4.98	0.647
10061-01-5	cis-1,3-Dichloropropene	0.538	U	4.98	0.538
108-88-3	Toluene	1.37	U	4.98	1.37
10061-02-6	trans-1,3-Dichloropropene	0.578	U	4.98	0.578
79-00-5	1,1,2-Trichloroethane	0.727	U	39.8	0.727
127-18-4	Tetrachloroethene	0.707	U	4.98	0.707
142-28-9	1,3-Dichloropropane	0.627	U	4.98	0.627
124-48-1	Chlorodibromomethane	0.936	U	4.98	0.936
106-93-4	1,2-Dibromoethane	1.02	U	4.98	1.02
108-90-7	Chlorobenzene	0.956	U	4.98	0.956
630-20-6	1,1,1,2-Tetrachloroethane	1.39	U	4.98	1.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-2-3-11122013 | Lab Sample ID: 600-82738-26

Matrix: Solid | Lab File ID: E32513.D

Analysis Method: 8260B | Date Collected: 11/12/2013 10:55

Sample wt/vol: 5.65(g) | Date Analyzed: 11/21/2013 19:31

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.6 | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.02	U	4.98	1.02
179601-23-1	m-Xylene & p-Xylene	1.51	U	9.96	1.51
1330-20-7	Xylenes, Total	1.13	U	4.98	1.13
95-47-6	o-Xylene	1.13	U	4.98	1.13
100-42-5	Styrene	0.707	U	4.98	0.707
75-25-2	Bromoform	1.36	U	4.98	1.36
98-82-8	Isopropylbenzene	0.916	U	4.98	0.916
108-86-1	Bromobenzene	0.986	U	4.98	0.986
96-18-4	1,2,3-Trichloropropane	1.30	U	4.98	1.30
79-34-5	1,1,2,2-Tetrachloroethane	0.866	U	4.98	0.866
103-65-1	N-Propylbenzene	0.946	U	4.98	0.946
95-49-8	2-Chlorotoluene	0.677	U	4.98	0.677
106-43-4	4-Chlorotoluene	0.827	U	4.98	0.827
108-67-8	1,3,5-Trimethylbenzene	1.59	U	4.98	1.59
98-06-6	tert-Butylbenzene	0.946	U	4.98	0.946
99-87-6	4-Isopropyltoluene	1.02	U	4.98	1.02
95-63-6	1,2,4-Trimethylbenzene	0.916	U	4.98	0.916
135-98-8	sec-Butylbenzene	0.697	U	4.98	0.697
541-73-1	1,3-Dichlorobenzene	0.707	U	4.98	0.707
106-46-7	1,4-Dichlorobenzene	0.657	U	4.98	0.657
95-50-1	1,2-Dichlorobenzene	0.797	U	4.98	0.797
104-51-8	n-Butylbenzene	0.578	U	4.98	0.578
96-12-8	1,2-Dibromo-3-Chloropropane	2.43	U	4.98	2.43
120-82-1	1,2,4-Trichlorobenzene	1.96	U	4.98	1.96
87-68-3	Hexachlorobutadiene	1.13	U	4.98	1.13
91-20-3	Naphthalene	2.36	U	9.96	2.36
87-61-6	1,2,3-Trichlorobenzene	0.617	U	4.98	0.617
75-15-0	Carbon disulfide	0.548	U	9.96	0.548
67-64-1	Acetone	7.85	J	9.96	1.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-2-3-11122013 Lab Sample ID: 600-82738-26

Matrix: Solid Lab File ID: E32513.D

Analysis Method: 8260B Date Collected: 11/12/2013 10:55

Sample wt/vol: 5.65(g) Date Analyzed: 11/21/2013 19:31

Soil Aliquot Vol: Dilution Factor: 0.88

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 11.6 Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-130
1868-53-7	Dibromofluoromethane	87		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013 | Lab Sample ID: 600-82738-27

Matrix: Solid | Lab File ID: k32615.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.71(g) | Date Analyzed: 11/22/2013 17:25

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.61	U *	5.24	1.61
74-87-3	Chloromethane	1.74	U	10.5	1.74
75-01-4	Vinyl chloride	0.944	U	10.5	0.944
74-83-9	Bromomethane	0.870	U	10.5	0.870
75-00-3	Chloroethane	1.47	U	10.5	1.47
75-69-4	Trichlorofluoromethane	0.692	U	10.5	0.692
75-35-4	1,1-Dichloroethene	1.28	U	5.24	1.28
156-60-5	trans-1,2-Dichloroethene	1.20	U	5.24	1.20
1634-04-4	Methyl tert-butyl ether	1.92	U	5.24	1.92
75-09-2	Methylene Chloride	2.30	U	10.5	2.30
156-59-2	cis-1,2-Dichloroethene	0.870	U	5.24	0.870
78-93-3	2-Butanone (MEK)	1.99	U	10.5	1.99
74-97-5	Bromochloromethane	1.87	U	5.24	1.87
56-23-5	Carbon tetrachloride	1.18	U	5.24	1.18
71-43-2	Benzene	0.661	U	5.24	0.661
107-06-2	1,2-Dichloroethane	0.944	U	5.24	0.944
79-01-6	Trichloroethene	1.47	U *	5.24	1.47
71-55-6	1,1,1-Trichloroethane	0.776	U	5.24	0.776
75-34-3	1,1-Dichloroethane	0.912	U	5.24	0.912
78-87-5	1,2-Dichloropropane	0.744	U	5.24	0.744
594-20-7	2,2-Dichloropropane	1.91	U	5.24	1.91
74-95-3	Dibromomethane	0.786	U	5.24	0.786
67-66-3	Chloroform	0.692	U	5.24	0.692
75-27-4	Bromodichloromethane	0.692	U	5.24	0.692
110-75-8	2-Chloroethyl vinyl ether	1.03	U	10.5	1.03
563-58-6	1,1-Dichloropropene	0.682	U	5.24	0.682
10061-01-5	cis-1,3-Dichloropropene	0.566	U	5.24	0.566
108-88-3	Toluene	1.45	U	5.24	1.45
10061-02-6	trans-1,3-Dichloropropene	0.608	U	5.24	0.608
79-00-5	1,1,2-Trichloroethane	0.765	U	41.9	0.765
127-18-4	Tetrachloroethene	0.744	U *	5.24	0.744
142-28-9	1,3-Dichloropropane	0.661	U	5.24	0.661
124-48-1	Chlorodibromomethane	0.986	U	5.24	0.986
106-93-4	1,2-Dibromoethane	1.07	U	5.24	1.07
108-90-7	Chlorobenzene	1.01	U	5.24	1.01
630-20-6	1,1,1,2-Tetrachloroethane	1.47	U	5.24	1.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013 | Lab Sample ID: 600-82738-27

Matrix: Solid | Lab File ID: k32615.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.71(g) | Date Analyzed: 11/22/2013 17:25

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.07	U	5.24	1.07
179601-23-1	m-Xylene & p-Xylene	1.59	U	10.5	1.59
1330-20-7	Xylenes, Total	1.18	U	5.24	1.18
95-47-6	o-Xylene	1.18	U	5.24	1.18
100-42-5	Styrene	0.744	U	5.24	0.744
75-25-2	Bromoform	1.44	U	5.24	1.44
98-82-8	Isopropylbenzene	0.965	U	5.24	0.965
108-86-1	Bromobenzene	1.04	U	5.24	1.04
96-18-4	1,2,3-Trichloropropane	1.37	U	5.24	1.37
79-34-5	1,1,2,2-Tetrachloroethane	0.912	U	5.24	0.912
103-65-1	N-Propylbenzene	0.996	U	5.24	0.996
95-49-8	2-Chlorotoluene	0.713	U	5.24	0.713
106-43-4	4-Chlorotoluene	0.870	U	5.24	0.870
108-67-8	1,3,5-Trimethylbenzene	1.68	U	5.24	1.68
98-06-6	tert-Butylbenzene	0.996	U	5.24	0.996
99-87-6	4-Isopropyltoluene	1.07	U	5.24	1.07
95-63-6	1,2,4-Trimethylbenzene	0.965	U	5.24	0.965
135-98-8	sec-Butylbenzene	0.734	U	5.24	0.734
541-73-1	1,3-Dichlorobenzene	0.744	U	5.24	0.744
106-46-7	1,4-Dichlorobenzene	0.692	U	5.24	0.692
95-50-1	1,2-Dichlorobenzene	0.839	U	5.24	0.839
104-51-8	n-Butylbenzene	0.608	U	5.24	0.608
96-12-8	1,2-Dibromo-3-Chloropropane	2.56	U *	5.24	2.56
120-82-1	1,2,4-Trichlorobenzene	2.07	U	5.24	2.07
87-68-3	Hexachlorobutadiene	1.18	U	5.24	1.18
91-20-3	Naphthalene	2.53	J B	10.5	2.48
87-61-6	1,2,3-Trichlorobenzene	0.650	U	5.24	0.650
75-15-0	Carbon disulfide	0.577	U	10.5	0.577
67-64-1	Acetone	45.5		10.5	1.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013 Lab Sample ID: 600-82738-27

Matrix: Solid Lab File ID: k32615.D

Analysis Method: 8260B Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.71(g) Date Analyzed: 11/22/2013 17:25

Soil Aliquot Vol: Dilution Factor: 0.88

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.1 Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-130
1868-53-7	Dibromofluoromethane	106		68-140
460-00-4	4-Bromofluorobenzene	87		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-11-12-11122013 | Lab Sample ID: 600-82738-28

Matrix: Solid | Lab File ID: k32816.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:25

Sample wt/vol: 6.36(g) | Date Analyzed: 11/24/2013 19:03

Soil Aliquot Vol: | Dilution Factor: 0.79

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.38	U	4.47	1.38
74-87-3	Chloromethane	1.48	U	8.93	1.48
75-01-4	Vinyl chloride	0.804	U	8.93	0.804
74-83-9	Bromomethane	0.741	U	8.93	0.741
75-00-3	Chloroethane	1.25	U	8.93	1.25
75-69-4	Trichlorofluoromethane	0.589	U	8.93	0.589
75-35-4	1,1-Dichloroethene	1.09	U	4.47	1.09
156-60-5	trans-1,2-Dichloroethene	1.02	U	4.47	1.02
1634-04-4	Methyl tert-butyl ether	1.63	U	4.47	1.63
75-09-2	Methylene Chloride	1.96	U	8.93	1.96
156-59-2	cis-1,2-Dichloroethene	0.741	U	4.47	0.741
78-93-3	2-Butanone (MEK)	1.70	U	8.93	1.70
74-97-5	Bromochloromethane	1.59	U	4.47	1.59
56-23-5	Carbon tetrachloride	1.01	U	4.47	1.01
71-43-2	Benzene	5.00		4.47	0.563
107-06-2	1,2-Dichloroethane	0.804	U	4.47	0.804
79-01-6	Trichloroethene	1.25	U	4.47	1.25
71-55-6	1,1,1-Trichloroethane	0.661	U	4.47	0.661
75-34-3	1,1-Dichloroethane	0.777	U	4.47	0.777
78-87-5	1,2-Dichloropropane	0.634	U	4.47	0.634
594-20-7	2,2-Dichloropropane	1.63	U	4.47	1.63
74-95-3	Dibromomethane	0.670	U	4.47	0.670
67-66-3	Chloroform	0.589	U	4.47	0.589
75-27-4	Bromodichloromethane	0.589	U	4.47	0.589
110-75-8	2-Chloroethyl vinyl ether	0.875	U	8.93	0.875
563-58-6	1,1-Dichloropropene	0.581	U	4.47	0.581
10061-01-5	cis-1,3-Dichloropropene	0.482	U	4.47	0.482
108-88-3	Toluene	4.61		4.47	1.23
10061-02-6	trans-1,3-Dichloropropene	0.518	U	4.47	0.518
79-00-5	1,1,2-Trichloroethane	0.652	U	35.7	0.652
127-18-4	Tetrachloroethene	0.634	U *	4.47	0.634
142-28-9	1,3-Dichloropropane	0.563	U	4.47	0.563
124-48-1	Chlorodibromomethane	0.840	U	4.47	0.840
106-93-4	1,2-Dibromoethane	0.911	U	4.47	0.911
108-90-7	Chlorobenzene	0.857	U	4.47	0.857
630-20-6	1,1,1,2-Tetrachloroethane	1.25	U	4.47	1.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-11-12-11122013 | Lab Sample ID: 600-82738-28

Matrix: Solid | Lab File ID: k32816.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:25

Sample wt/vol: 6.36(g) | Date Analyzed: 11/24/2013 19:03

Soil Aliquot Vol: | Dilution Factor: 0.79

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.20	J	4.47	0.911
179601-23-1	m-Xylene & p-Xylene	2.28	J	8.93	1.36
1330-20-7	Xylenes, Total	2.28	J	4.47	1.01
95-47-6	o-Xylene	1.01	U	4.47	1.01
100-42-5	Styrene	0.634	U	4.47	0.634
75-25-2	Bromoform	1.22	U	4.47	1.22
98-82-8	Isopropylbenzene	0.822	U	4.47	0.822
108-86-1	Bromobenzene	0.884	U	4.47	0.884
96-18-4	1,2,3-Trichloropropane	1.17	U	4.47	1.17
79-34-5	1,1,2,2-Tetrachloroethane	0.777	U	4.47	0.777
103-65-1	N-Propylbenzene	0.848	U	4.47	0.848
95-49-8	2-Chlorotoluene	0.607	U	4.47	0.607
106-43-4	4-Chlorotoluene	0.741	U	4.47	0.741
108-67-8	1,3,5-Trimethylbenzene	1.43	U	4.47	1.43
98-06-6	tert-Butylbenzene	0.848	U	4.47	0.848
99-87-6	4-Isopropyltoluene	0.911	U	4.47	0.911
95-63-6	1,2,4-Trimethylbenzene	0.961	J	4.47	0.822
135-98-8	sec-Butylbenzene	0.625	U	4.47	0.625
541-73-1	1,3-Dichlorobenzene	0.634	U	4.47	0.634
106-46-7	1,4-Dichlorobenzene	0.589	U	4.47	0.589
95-50-1	1,2-Dichlorobenzene	0.715	U	4.47	0.715
104-51-8	n-Butylbenzene	0.518	U	4.47	0.518
96-12-8	1,2-Dibromo-3-Chloropropane	2.18	U	4.47	2.18
120-82-1	1,2,4-Trichlorobenzene	1.76	U	4.47	1.76
87-68-3	Hexachlorobutadiene	1.01	U	4.47	1.01
91-20-3	Naphthalene	2.12	U	8.93	2.12
87-61-6	1,2,3-Trichlorobenzene	0.554	U	4.47	0.554
75-15-0	Carbon disulfide	0.491	U	8.93	0.491
67-64-1	Acetone	1.48	U	8.93	1.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-11-12-11122013 Lab Sample ID: 600-82738-28

Matrix: Solid Lab File ID: k32816.D

Analysis Method: 8260B Date Collected: 11/12/2013 11:25

Sample wt/vol: 6.36(g) Date Analyzed: 11/24/2013 19:03

Soil Aliquot Vol: Dilution Factor: 0.79

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.5 Level: (low/med) Low

Analysis Batch No.: 121357 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		50-130
1868-53-7	Dibromofluoromethane	122		68-140
460-00-4	4-Bromofluorobenzene	101		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	127		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-18-19-11122013 Lab Sample ID: 600-82738-29

Matrix: Solid Lab File ID: k32609.D

Analysis Method: 8260B Date Collected: 11/12/2013 11:35

Sample wt/vol: 6.24(g) Date Analyzed: 11/22/2013 14:08

Soil Aliquot Vol: Dilution Factor: 0.8

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.57	U *	5.11	1.57
74-87-3	Chloromethane	1.70	U	10.2	1.70
75-01-4	Vinyl chloride	0.920	U	10.2	0.920
74-83-9	Bromomethane	0.849	U	10.2	0.849
75-00-3	Chloroethane	1.43	U	10.2	1.43
75-69-4	Trichlorofluoromethane	0.675	U	10.2	0.675
75-35-4	1,1-Dichloroethene	1.25	U	5.11	1.25
156-60-5	trans-1,2-Dichloroethene	1.17	U	5.11	1.17
1634-04-4	Methyl tert-butyl ether	1.87	U	5.11	1.87
75-09-2	Methylene Chloride	2.24	U	10.2	2.24
156-59-2	cis-1,2-Dichloroethene	0.849	U	5.11	0.849
78-93-3	2-Butanone (MEK)	1.94	U	10.2	1.94
74-97-5	Bromochloromethane	1.82	U	5.11	1.82
56-23-5	Carbon tetrachloride	1.16	U	5.11	1.16
71-43-2	Benzene	0.644	U	5.11	0.644
107-06-2	1,2-Dichloroethane	0.920	U	5.11	0.920
79-01-6	Trichloroethene	1.43	U *	5.11	1.43
71-55-6	1,1,1-Trichloroethane	0.757	U	5.11	0.757
75-34-3	1,1-Dichloroethane	0.890	U	5.11	0.890
78-87-5	1,2-Dichloropropane	0.726	U	5.11	0.726
594-20-7	2,2-Dichloropropane	1.86	U	5.11	1.86
74-95-3	Dibromomethane	0.767	U	5.11	0.767
67-66-3	Chloroform	0.675	U	5.11	0.675
75-27-4	Bromodichloromethane	0.675	U	5.11	0.675
110-75-8	2-Chloroethyl vinyl ether	1.00	U	10.2	1.00
563-58-6	1,1-Dichloropropene	0.665	U	5.11	0.665
10061-01-5	cis-1,3-Dichloropropene	0.552	U	5.11	0.552
108-88-3	Toluene	1.41	U	5.11	1.41
10061-02-6	trans-1,3-Dichloropropene	0.593	U	5.11	0.593
79-00-5	1,1,2-Trichloroethane	0.746	U	40.9	0.746
127-18-4	Tetrachloroethene	0.726	U *	5.11	0.726
142-28-9	1,3-Dichloropropane	0.644	U	5.11	0.644
124-48-1	Chlorodibromomethane	0.961	U	5.11	0.961
106-93-4	1,2-Dibromoethane	1.04	U	5.11	1.04
108-90-7	Chlorobenzene	0.982	U	5.11	0.982
630-20-6	1,1,1,2-Tetrachloroethane	1.43	U	5.11	1.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-18-19-11122013 | Lab Sample ID: 600-82738-29

Matrix: Solid | Lab File ID: k32609.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:35

Sample wt/vol: 6.24(g) | Date Analyzed: 11/22/2013 14:08

Soil Aliquot Vol: | Dilution Factor: 0.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.04	U	5.11	1.04
179601-23-1	m-Xylene & p-Xylene	1.55	U	10.2	1.55
1330-20-7	Xylenes, Total	1.16	U	5.11	1.16
95-47-6	o-Xylene	1.16	U	5.11	1.16
100-42-5	Styrene	0.726	U	5.11	0.726
75-25-2	Bromoform	1.40	U	5.11	1.40
98-82-8	Isopropylbenzene	0.941	U	5.11	0.941
108-86-1	Bromobenzene	1.01	U	5.11	1.01
96-18-4	1,2,3-Trichloropropane	1.34	U	5.11	1.34
79-34-5	1,1,2,2-Tetrachloroethane	0.890	U	5.11	0.890
103-65-1	N-Propylbenzene	0.971	U	5.11	0.971
95-49-8	2-Chlorotoluene	0.695	U	5.11	0.695
106-43-4	4-Chlorotoluene	0.849	U	5.11	0.849
108-67-8	1,3,5-Trimethylbenzene	1.64	U	5.11	1.64
98-06-6	tert-Butylbenzene	0.971	U	5.11	0.971
99-87-6	4-Isopropyltoluene	1.04	U	5.11	1.04
95-63-6	1,2,4-Trimethylbenzene	0.941	U	5.11	0.941
135-98-8	sec-Butylbenzene	0.716	U	5.11	0.716
541-73-1	1,3-Dichlorobenzene	0.726	U	5.11	0.726
106-46-7	1,4-Dichlorobenzene	0.675	U	5.11	0.675
95-50-1	1,2-Dichlorobenzene	0.818	U	5.11	0.818
104-51-8	n-Butylbenzene	0.593	U	5.11	0.593
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U *	5.11	2.50
120-82-1	1,2,4-Trichlorobenzene	2.01	U	5.11	2.01
87-68-3	Hexachlorobutadiene	1.16	U	5.11	1.16
91-20-3	Naphthalene	2.42	U	10.2	2.42
87-61-6	1,2,3-Trichlorobenzene	0.634	U	5.11	0.634
75-15-0	Carbon disulfide	0.562	U	10.2	0.562
67-64-1	Acetone	19.9		10.2	1.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-18-19-11122013 | Lab Sample ID: 600-82738-29

Matrix: Solid | Lab File ID: k32609.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:35

Sample wt/vol: 6.24(g) | Date Analyzed: 11/22/2013 14:08

Soil Aliquot Vol: | Dilution Factor: 0.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-130
1868-53-7	Dibromofluoromethane	103		68-140
460-00-4	4-Bromofluorobenzene	87		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-25-26-11122013 | Lab Sample ID: 600-82738-30

Matrix: Solid | Lab File ID: k32613.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:40

Sample wt/vol: 6.25(g) | Date Analyzed: 11/22/2013 16:36

Soil Aliquot Vol: | Dilution Factor: 0.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.64	U *	5.34	1.64
74-87-3	Chloromethane	1.77	U	10.7	1.77
75-01-4	Vinyl chloride	0.961	U	10.7	0.961
74-83-9	Bromomethane	0.886	U	10.7	0.886
75-00-3	Chloroethane	1.49	U	10.7	1.49
75-69-4	Trichlorofluoromethane	0.705	U	10.7	0.705
75-35-4	1,1-Dichloroethene	1.30	U	5.34	1.30
156-60-5	trans-1,2-Dichloroethene	1.22	U	5.34	1.22
1634-04-4	Methyl tert-butyl ether	1.95	U	5.34	1.95
75-09-2	Methylene Chloride	2.34	U	10.7	2.34
156-59-2	cis-1,2-Dichloroethene	0.886	U	5.34	0.886
78-93-3	2-Butanone (MEK)	7.44	J	10.7	2.03
74-97-5	Bromochloromethane	1.90	U	5.34	1.90
56-23-5	Carbon tetrachloride	1.21	U	5.34	1.21
71-43-2	Benzene	1.73	J	5.34	0.673
107-06-2	1,2-Dichloroethane	0.961	U	5.34	0.961
79-01-6	Trichloroethene	1.49	U *	5.34	1.49
71-55-6	1,1,1-Trichloroethane	0.790	U	5.34	0.790
75-34-3	1,1-Dichloroethane	0.929	U	5.34	0.929
78-87-5	1,2-Dichloropropane	0.758	U	5.34	0.758
594-20-7	2,2-Dichloropropane	1.94	U	5.34	1.94
74-95-3	Dibromomethane	0.801	U	5.34	0.801
67-66-3	Chloroform	0.705	U	5.34	0.705
75-27-4	Bromodichloromethane	0.705	U	5.34	0.705
110-75-8	2-Chloroethyl vinyl ether	1.05	U	10.7	1.05
563-58-6	1,1-Dichloropropene	0.694	U	5.34	0.694
10061-01-5	cis-1,3-Dichloropropene	0.577	U	5.34	0.577
108-88-3	Toluene	1.65	J	5.34	1.47
10061-02-6	trans-1,3-Dichloropropene	0.619	U	5.34	0.619
79-00-5	1,1,2-Trichloroethane	0.779	U	42.7	0.779
127-18-4	Tetrachloroethene	0.758	U *	5.34	0.758
142-28-9	1,3-Dichloropropane	0.673	U	5.34	0.673
124-48-1	Chlorodibromomethane	1.00	U	5.34	1.00
106-93-4	1,2-Dibromoethane	1.09	U	5.34	1.09
108-90-7	Chlorobenzene	1.03	U	5.34	1.03
630-20-6	1,1,1,2-Tetrachloroethane	1.49	U	5.34	1.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-25-26-11122013 | Lab Sample ID: 600-82738-30

Matrix: Solid | Lab File ID: k32613.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:40

Sample wt/vol: 6.25(g) | Date Analyzed: 11/22/2013 16:36

Soil Aliquot Vol: | Dilution Factor: 0.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.09	U	5.34	1.09
179601-23-1	m-Xylene & p-Xylene	1.62	U	10.7	1.62
1330-20-7	Xylenes, Total	1.21	U	5.34	1.21
95-47-6	o-Xylene	1.21	U	5.34	1.21
100-42-5	Styrene	0.758	U	5.34	0.758
75-25-2	Bromoform	1.46	U	5.34	1.46
98-82-8	Isopropylbenzene	0.982	U	5.34	0.982
108-86-1	Bromobenzene	1.06	U	5.34	1.06
96-18-4	1,2,3-Trichloropropane	1.40	U	5.34	1.40
79-34-5	1,1,2,2-Tetrachloroethane	0.929	U	5.34	0.929
103-65-1	N-Propylbenzene	1.01	U	5.34	1.01
95-49-8	2-Chlorotoluene	0.726	U	5.34	0.726
106-43-4	4-Chlorotoluene	0.886	U	5.34	0.886
108-67-8	1,3,5-Trimethylbenzene	1.71	U	5.34	1.71
98-06-6	tert-Butylbenzene	1.01	U	5.34	1.01
99-87-6	4-Isopropyltoluene	1.09	U	5.34	1.09
95-63-6	1,2,4-Trimethylbenzene	0.982	U	5.34	0.982
135-98-8	sec-Butylbenzene	0.747	U	5.34	0.747
541-73-1	1,3-Dichlorobenzene	0.758	U	5.34	0.758
106-46-7	1,4-Dichlorobenzene	0.705	U	5.34	0.705
95-50-1	1,2-Dichlorobenzene	0.854	U	5.34	0.854
104-51-8	n-Butylbenzene	0.619	U	5.34	0.619
96-12-8	1,2-Dibromo-3-Chloropropane	2.61	U *	5.34	2.61
120-82-1	1,2,4-Trichlorobenzene	2.10	U	5.34	2.10
87-68-3	Hexachlorobutadiene	1.21	U	5.34	1.21
91-20-3	Naphthalene	2.55	J B	10.7	2.53
87-61-6	1,2,3-Trichlorobenzene	0.662	U	5.34	0.662
75-15-0	Carbon disulfide	0.587	U	10.7	0.587
67-64-1	Acetone	126		10.7	1.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-25-26-11122013 | Lab Sample ID: 600-82738-30

Matrix: Solid | Lab File ID: k32613.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:40

Sample wt/vol: 6.25(g) | Date Analyzed: 11/22/2013 16:36

Soil Aliquot Vol: | Dilution Factor: 0.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 25.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-130
1868-53-7	Dibromofluoromethane	105		68-140
460-00-4	4-Bromofluorobenzene	102		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-2-3-11122013 | Lab Sample ID: 600-82738-32

Matrix: Solid | Lab File ID: k32817.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:30

Sample wt/vol: 5.55(g) | Date Analyzed: 11/24/2013 19:27

Soil Aliquot Vol: | Dilution Factor: 0.9

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.2 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.62	U	5.24	1.62
74-87-3	Chloromethane	1.74	U	10.5	1.74
75-01-4	Vinyl chloride	0.944	U	10.5	0.944
74-83-9	Bromomethane	0.871	U	10.5	0.871
75-00-3	Chloroethane	1.47	U	10.5	1.47
75-69-4	Trichlorofluoromethane	0.692	U	10.5	0.692
75-35-4	1,1-Dichloroethene	1.28	U	5.24	1.28
156-60-5	trans-1,2-Dichloroethene	1.20	U	5.24	1.20
1634-04-4	Methyl tert-butyl ether	1.92	U	5.24	1.92
75-09-2	Methylene Chloride	2.30	U	10.5	2.30
156-59-2	cis-1,2-Dichloroethene	0.871	U	5.24	0.871
78-93-3	2-Butanone (MEK)	1.99	U	10.5	1.99
74-97-5	Bromochloromethane	1.87	U	5.24	1.87
56-23-5	Carbon tetrachloride	1.19	U	5.24	1.19
71-43-2	Benzene	0.661	U	5.24	0.661
107-06-2	1,2-Dichloroethane	0.944	U	5.24	0.944
79-01-6	Trichloroethene	1.47	U	5.24	1.47
71-55-6	1,1,1-Trichloroethane	0.776	U	5.24	0.776
75-34-3	1,1-Dichloroethane	0.912	U	5.24	0.912
78-87-5	1,2-Dichloropropane	0.745	U	5.24	0.745
594-20-7	2,2-Dichloropropane	1.91	U	5.24	1.91
74-95-3	Dibromomethane	0.787	U	5.24	0.787
67-66-3	Chloroform	0.692	U	5.24	0.692
75-27-4	Bromodichloromethane	0.692	U	5.24	0.692
110-75-8	2-Chloroethyl vinyl ether	1.03	U	10.5	1.03
563-58-6	1,1-Dichloropropene	0.682	U	5.24	0.682
10061-01-5	cis-1,3-Dichloropropene	0.566	U	5.24	0.566
108-88-3	Toluene	1.45	U	5.24	1.45
10061-02-6	trans-1,3-Dichloropropene	0.608	U	5.24	0.608
79-00-5	1,1,2-Trichloroethane	0.766	U	42.0	0.766
127-18-4	Tetrachloroethene	0.745	U *	5.24	0.745
142-28-9	1,3-Dichloropropane	0.661	U	5.24	0.661
124-48-1	Chlorodibromomethane	0.986	U	5.24	0.986
106-93-4	1,2-Dibromoethane	1.07	U	5.24	1.07
108-90-7	Chlorobenzene	1.01	U	5.24	1.01
630-20-6	1,1,1,2-Tetrachloroethane	1.47	U	5.24	1.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-2-3-11122013 | Lab Sample ID: 600-82738-32

Matrix: Solid | Lab File ID: k32817.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:30

Sample wt/vol: 5.55(g) | Date Analyzed: 11/24/2013 19:27

Soil Aliquot Vol: | Dilution Factor: 0.9

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.2 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.07	U	5.24	1.07
179601-23-1	m-Xylene & p-Xylene	1.59	U	10.5	1.59
1330-20-7	Xylenes, Total	1.19	U	5.24	1.19
95-47-6	o-Xylene	1.19	U	5.24	1.19
100-42-5	Styrene	0.745	U	5.24	0.745
75-25-2	Bromoform	1.44	U	5.24	1.44
98-82-8	Isopropylbenzene	0.965	U	5.24	0.965
108-86-1	Bromobenzene	1.04	U	5.24	1.04
96-18-4	1,2,3-Trichloropropane	1.37	U	5.24	1.37
79-34-5	1,1,2,2-Tetrachloroethane	0.912	U	5.24	0.912
103-65-1	N-Propylbenzene	0.996	U	5.24	0.996
95-49-8	2-Chlorotoluene	0.713	U	5.24	0.713
106-43-4	4-Chlorotoluene	0.871	U	5.24	0.871
108-67-8	1,3,5-Trimethylbenzene	1.68	U	5.24	1.68
98-06-6	tert-Butylbenzene	0.996	U	5.24	0.996
99-87-6	4-Isopropyltoluene	1.07	U	5.24	1.07
95-63-6	1,2,4-Trimethylbenzene	0.965	U	5.24	0.965
135-98-8	sec-Butylbenzene	0.734	U	5.24	0.734
541-73-1	1,3-Dichlorobenzene	0.745	U	5.24	0.745
106-46-7	1,4-Dichlorobenzene	0.692	U	5.24	0.692
95-50-1	1,2-Dichlorobenzene	0.839	U	5.24	0.839
104-51-8	n-Butylbenzene	0.608	U	5.24	0.608
96-12-8	1,2-Dibromo-3-Chloropropane	2.56	U	5.24	2.56
120-82-1	1,2,4-Trichlorobenzene	2.07	U	5.24	2.07
87-68-3	Hexachlorobutadiene	1.19	U	5.24	1.19
91-20-3	Naphthalene	2.49	U	10.5	2.49
87-61-6	1,2,3-Trichlorobenzene	0.650	U	5.24	0.650
75-15-0	Carbon disulfide	0.577	U	10.5	0.577
67-64-1	Acetone	19.2		10.5	1.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-2-3-11122013 | Lab Sample ID: 600-82738-32

Matrix: Solid | Lab File ID: k32817.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:30

Sample wt/vol: 5.55(g) | Date Analyzed: 11/24/2013 19:27

Soil Aliquot Vol: | Dilution Factor: 0.9

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.2 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		50-130
1868-53-7	Dibromofluoromethane	127		68-140
460-00-4	4-Bromofluorobenzene	102		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	129		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-5-6-11122013 | Lab Sample ID: 600-82738-33

Matrix: Solid | Lab File ID: k32818.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:35

Sample wt/vol: 6.21(g) | Date Analyzed: 11/24/2013 19:51

Soil Aliquot Vol: | Dilution Factor: 0.81

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.43	U	4.64	1.43
74-87-3	Chloromethane	1.54	U	9.28	1.54
75-01-4	Vinyl chloride	0.835	U	9.28	0.835
74-83-9	Bromomethane	0.770	U	9.28	0.770
75-00-3	Chloroethane	1.30	U	9.28	1.30
75-69-4	Trichlorofluoromethane	0.613	U	9.28	0.613
75-35-4	1,1-Dichloroethene	1.13	U	4.64	1.13
156-60-5	trans-1,2-Dichloroethene	1.06	U	4.64	1.06
1634-04-4	Methyl tert-butyl ether	1.70	U	4.64	1.70
75-09-2	Methylene Chloride	2.03	U	9.28	2.03
156-59-2	cis-1,2-Dichloroethene	0.770	U	4.64	0.770
78-93-3	2-Butanone (MEK)	1.76	U	9.28	1.76
74-97-5	Bromochloromethane	1.65	U	4.64	1.65
56-23-5	Carbon tetrachloride	1.05	U	4.64	1.05
71-43-2	Benzene	0.585	U	4.64	0.585
107-06-2	1,2-Dichloroethane	0.835	U	4.64	0.835
79-01-6	Trichloroethene	1.30	U	4.64	1.30
71-55-6	1,1,1-Trichloroethane	0.687	U	4.64	0.687
75-34-3	1,1-Dichloroethane	0.807	U	4.64	0.807
78-87-5	1,2-Dichloropropane	0.659	U	4.64	0.659
594-20-7	2,2-Dichloropropane	1.69	U	4.64	1.69
74-95-3	Dibromomethane	0.696	U	4.64	0.696
67-66-3	Chloroform	0.613	U	4.64	0.613
75-27-4	Bromodichloromethane	0.613	U	4.64	0.613
110-75-8	2-Chloroethyl vinyl ether	0.910	U	9.28	0.910
563-58-6	1,1-Dichloropropene	0.603	U	4.64	0.603
10061-01-5	cis-1,3-Dichloropropene	0.501	U	4.64	0.501
108-88-3	Toluene	1.28	U	4.64	1.28
10061-02-6	trans-1,3-Dichloropropene	0.538	U	4.64	0.538
79-00-5	1,1,2-Trichloroethane	0.678	U	37.1	0.678
127-18-4	Tetrachloroethene	0.659	U *	4.64	0.659
142-28-9	1,3-Dichloropropane	0.585	U	4.64	0.585
124-48-1	Chlorodibromomethane	0.872	U	4.64	0.872
106-93-4	1,2-Dibromoethane	0.947	U	4.64	0.947
108-90-7	Chlorobenzene	0.891	U	4.64	0.891
630-20-6	1,1,1,2-Tetrachloroethane	1.30	U	4.64	1.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-5-6-11122013 | Lab Sample ID: 600-82738-33

Matrix: Solid | Lab File ID: k32818.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:35

Sample wt/vol: 6.21(g) | Date Analyzed: 11/24/2013 19:51

Soil Aliquot Vol: | Dilution Factor: 0.81

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.947	U	4.64	0.947
179601-23-1	m-Xylene & p-Xylene	1.41	U	9.28	1.41
1330-20-7	Xylenes, Total	1.05	U	4.64	1.05
95-47-6	o-Xylene	1.05	U	4.64	1.05
100-42-5	Styrene	0.659	U	4.64	0.659
75-25-2	Bromoform	1.27	U	4.64	1.27
98-82-8	Isopropylbenzene	0.854	U	4.64	0.854
108-86-1	Bromobenzene	0.919	U	4.64	0.919
96-18-4	1,2,3-Trichloropropane	1.22	U	4.64	1.22
79-34-5	1,1,2,2-Tetrachloroethane	0.807	U	4.64	0.807
103-65-1	N-Propylbenzene	0.882	U	4.64	0.882
95-49-8	2-Chlorotoluene	0.631	U	4.64	0.631
106-43-4	4-Chlorotoluene	0.770	U	4.64	0.770
108-67-8	1,3,5-Trimethylbenzene	1.49	U	4.64	1.49
98-06-6	tert-Butylbenzene	0.882	U	4.64	0.882
99-87-6	4-Isopropyltoluene	0.947	U	4.64	0.947
95-63-6	1,2,4-Trimethylbenzene	0.854	U	4.64	0.854
135-98-8	sec-Butylbenzene	0.650	U	4.64	0.650
541-73-1	1,3-Dichlorobenzene	0.659	U	4.64	0.659
106-46-7	1,4-Dichlorobenzene	0.613	U	4.64	0.613
95-50-1	1,2-Dichlorobenzene	0.743	U	4.64	0.743
104-51-8	n-Butylbenzene	0.538	U	4.64	0.538
96-12-8	1,2-Dibromo-3-Chloropropane	2.26	U	4.64	2.26
120-82-1	1,2,4-Trichlorobenzene	1.83	U	4.64	1.83
87-68-3	Hexachlorobutadiene	1.05	U	4.64	1.05
91-20-3	Naphthalene	2.20	U	9.28	2.20
87-61-6	1,2,3-Trichlorobenzene	0.575	U	4.64	0.575
75-15-0	Carbon disulfide	0.510	U	9.28	0.510
67-64-1	Acetone	1.54	U	9.28	1.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-5-6-11122013 | Lab Sample ID: 600-82738-33

Matrix: Solid | Lab File ID: k32818.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:35

Sample wt/vol: 6.21(g) | Date Analyzed: 11/24/2013 19:51

Soil Aliquot Vol: | Dilution Factor: 0.81

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		50-130
1868-53-7	Dibromofluoromethane	126		68-140
460-00-4	4-Bromofluorobenzene	96		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	127		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-11-12-11122013 | Lab Sample ID: 600-82738-34

Matrix: Solid | Lab File ID: k32619.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:05

Sample wt/vol: 5.97(g) | Date Analyzed: 11/22/2013 19:04

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.62	U *	5.25	1.62
74-87-3	Chloromethane	1.74	U	10.5	1.74
75-01-4	Vinyl chloride	0.946	U	10.5	0.946
74-83-9	Bromomethane	0.872	U	10.5	0.872
75-00-3	Chloroethane	1.47	U	10.5	1.47
75-69-4	Trichlorofluoromethane	0.694	U	10.5	0.694
75-35-4	1,1-Dichloroethene	1.28	U	5.25	1.28
156-60-5	trans-1,2-Dichloroethene	1.20	U	5.25	1.20
1634-04-4	Methyl tert-butyl ether	1.92	U	5.25	1.92
75-09-2	Methylene Chloride	2.30	U	10.5	2.30
156-59-2	cis-1,2-Dichloroethene	0.872	U	5.25	0.872
78-93-3	2-Butanone (MEK)	2.00	U	10.5	2.00
74-97-5	Bromochloromethane	1.87	U	5.25	1.87
56-23-5	Carbon tetrachloride	1.19	U	5.25	1.19
71-43-2	Benzene	1.60	J	5.25	0.662
107-06-2	1,2-Dichloroethane	0.946	U	5.25	0.946
79-01-6	Trichloroethene	1.47	U *	5.25	1.47
71-55-6	1,1,1-Trichloroethane	0.778	U	5.25	0.778
75-34-3	1,1-Dichloroethane	0.914	U	5.25	0.914
78-87-5	1,2-Dichloropropane	0.746	U	5.25	0.746
594-20-7	2,2-Dichloropropane	1.91	U	5.25	1.91
74-95-3	Dibromomethane	0.788	U	5.25	0.788
67-66-3	Chloroform	0.694	U	5.25	0.694
75-27-4	Bromodichloromethane	0.694	U	5.25	0.694
110-75-8	2-Chloroethyl vinyl ether	1.03	U	10.5	1.03
563-58-6	1,1-Dichloropropene	0.683	U	5.25	0.683
10061-01-5	cis-1,3-Dichloropropene	0.567	U	5.25	0.567
108-88-3	Toluene	1.45	U	5.25	1.45
10061-02-6	trans-1,3-Dichloropropene	0.609	U	5.25	0.609
79-00-5	1,1,2-Trichloroethane	0.767	U	42.0	0.767
127-18-4	Tetrachloroethene	0.746	U *	5.25	0.746
142-28-9	1,3-Dichloropropane	0.662	U	5.25	0.662
124-48-1	Chlorodibromomethane	0.988	U	5.25	0.988
106-93-4	1,2-Dibromoethane	1.07	U	5.25	1.07
108-90-7	Chlorobenzene	1.01	U	5.25	1.01
630-20-6	1,1,1,2-Tetrachloroethane	1.47	U	5.25	1.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-11-12-11122013 | Lab Sample ID: 600-82738-34

Matrix: Solid | Lab File ID: k32619.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:05

Sample wt/vol: 5.97(g) | Date Analyzed: 11/22/2013 19:04

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.07	U	5.25	1.07
179601-23-1	m-Xylene & p-Xylene	1.60	U	10.5	1.60
1330-20-7	Xylenes, Total	1.19	U	5.25	1.19
95-47-6	o-Xylene	1.19	U	5.25	1.19
100-42-5	Styrene	0.746	U	5.25	0.746
75-25-2	Bromoform	1.44	U	5.25	1.44
98-82-8	Isopropylbenzene	0.967	U	5.25	0.967
108-86-1	Bromobenzene	1.04	U	5.25	1.04
96-18-4	1,2,3-Trichloropropane	1.38	U	5.25	1.38
79-34-5	1,1,2,2-Tetrachloroethane	0.914	U	5.25	0.914
103-65-1	N-Propylbenzene	0.998	U	5.25	0.998
95-49-8	2-Chlorotoluene	0.715	U	5.25	0.715
106-43-4	4-Chlorotoluene	0.872	U	5.25	0.872
108-67-8	1,3,5-Trimethylbenzene	1.68	U	5.25	1.68
98-06-6	tert-Butylbenzene	0.998	U	5.25	0.998
99-87-6	4-Isopropyltoluene	1.07	U	5.25	1.07
95-63-6	1,2,4-Trimethylbenzene	0.967	U	5.25	0.967
135-98-8	sec-Butylbenzene	0.736	U	5.25	0.736
541-73-1	1,3-Dichlorobenzene	0.746	U	5.25	0.746
106-46-7	1,4-Dichlorobenzene	0.694	U	5.25	0.694
95-50-1	1,2-Dichlorobenzene	0.841	U	5.25	0.841
104-51-8	n-Butylbenzene	0.609	U	5.25	0.609
96-12-8	1,2-Dibromo-3-Chloropropane	2.56	U *	5.25	2.56
120-82-1	1,2,4-Trichlorobenzene	2.07	U	5.25	2.07
87-68-3	Hexachlorobutadiene	1.19	U	5.25	1.19
91-20-3	Naphthalene	2.49	U	10.5	2.49
87-61-6	1,2,3-Trichlorobenzene	0.652	U	5.25	0.652
75-15-0	Carbon disulfide	0.578	U	10.5	0.578
67-64-1	Acetone	12.1		10.5	1.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-11-12-11122013 | Lab Sample ID: 600-82738-34

Matrix: Solid | Lab File ID: k32619.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:05

Sample wt/vol: 5.97(g) | Date Analyzed: 11/22/2013 19:04

Soil Aliquot Vol: | Dilution Factor: 0.84

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.1 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	110		68-140
460-00-4	4-Bromofluorobenzene	87		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	124		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-16-17-11122013 | Lab Sample ID: 600-82738-35

Matrix: Solid | Lab File ID: k32620.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:20

Sample wt/vol: 6.38(g) | Date Analyzed: 11/22/2013 19:28

Soil Aliquot Vol: | Dilution Factor: 0.78

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.54	U *	4.99	1.54
74-87-3	Chloromethane	1.66	U	9.98	1.66
75-01-4	Vinyl chloride	0.898	U	9.98	0.898
74-83-9	Bromomethane	0.828	U	9.98	0.828
75-00-3	Chloroethane	1.40	U	9.98	1.40
75-69-4	Trichlorofluoromethane	0.659	U	9.98	0.659
75-35-4	1,1-Dichloroethene	1.22	U	4.99	1.22
156-60-5	trans-1,2-Dichloroethene	1.14	U	4.99	1.14
1634-04-4	Methyl tert-butyl ether	1.83	U	4.99	1.83
75-09-2	Methylene Chloride	2.19	U	9.98	2.19
156-59-2	cis-1,2-Dichloroethene	0.828	U	4.99	0.828
78-93-3	2-Butanone (MEK)	1.90	U	9.98	1.90
74-97-5	Bromochloromethane	1.78	U	4.99	1.78
56-23-5	Carbon tetrachloride	1.13	U	4.99	1.13
71-43-2	Benzene	2.27	J	4.99	0.629
107-06-2	1,2-Dichloroethane	0.898	U	4.99	0.898
79-01-6	Trichloroethene	1.40	U *	4.99	1.40
71-55-6	1,1,1-Trichloroethane	0.738	U	4.99	0.738
75-34-3	1,1-Dichloroethane	0.868	U	4.99	0.868
78-87-5	1,2-Dichloropropane	0.708	U	4.99	0.708
594-20-7	2,2-Dichloropropane	1.82	U	4.99	1.82
74-95-3	Dibromomethane	0.748	U	4.99	0.748
67-66-3	Chloroform	0.659	U	4.99	0.659
75-27-4	Bromodichloromethane	0.659	U	4.99	0.659
110-75-8	2-Chloroethyl vinyl ether	0.978	U	9.98	0.978
563-58-6	1,1-Dichloropropene	0.649	U	4.99	0.649
10061-01-5	cis-1,3-Dichloropropene	0.539	U	4.99	0.539
108-88-3	Toluene	2.41	J	4.99	1.38
10061-02-6	trans-1,3-Dichloropropene	0.579	U	4.99	0.579
79-00-5	1,1,2-Trichloroethane	0.728	U	39.9	0.728
127-18-4	Tetrachloroethene	0.708	U *	4.99	0.708
142-28-9	1,3-Dichloropropane	0.629	U	4.99	0.629
124-48-1	Chlorodibromomethane	0.938	U	4.99	0.938
106-93-4	1,2-Dibromoethane	1.02	U	4.99	1.02
108-90-7	Chlorobenzene	0.958	U	4.99	0.958
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	4.99	1.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-16-17-11122013 | Lab Sample ID: 600-82738-35

Matrix: Solid | Lab File ID: k32620.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:20

Sample wt/vol: 6.38(g) | Date Analyzed: 11/22/2013 19:28

Soil Aliquot Vol: | Dilution Factor: 0.78

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.02	U	4.99	1.02
179601-23-1	m-Xylene & p-Xylene	1.65	J	9.98	1.52
1330-20-7	Xylenes, Total	1.65	J	4.99	1.13
95-47-6	o-Xylene	1.13	U	4.99	1.13
100-42-5	Styrene	0.708	U	4.99	0.708
75-25-2	Bromoform	1.37	U	4.99	1.37
98-82-8	Isopropylbenzene	0.918	U	4.99	0.918
108-86-1	Bromobenzene	0.988	U	4.99	0.988
96-18-4	1,2,3-Trichloropropane	1.31	U	4.99	1.31
79-34-5	1,1,2,2-Tetrachloroethane	0.868	U	4.99	0.868
103-65-1	N-Propylbenzene	0.948	U	4.99	0.948
95-49-8	2-Chlorotoluene	0.679	U	4.99	0.679
106-43-4	4-Chlorotoluene	0.828	U	4.99	0.828
108-67-8	1,3,5-Trimethylbenzene	1.60	U	4.99	1.60
98-06-6	tert-Butylbenzene	0.948	U	4.99	0.948
99-87-6	4-Isopropyltoluene	1.02	U	4.99	1.02
95-63-6	1,2,4-Trimethylbenzene	1.10	J	4.99	0.918
135-98-8	sec-Butylbenzene	0.698	U	4.99	0.698
541-73-1	1,3-Dichlorobenzene	0.708	U	4.99	0.708
106-46-7	1,4-Dichlorobenzene	0.659	U	4.99	0.659
95-50-1	1,2-Dichlorobenzene	0.798	U	4.99	0.798
104-51-8	n-Butylbenzene	0.579	U	4.99	0.579
96-12-8	1,2-Dibromo-3-Chloropropane	2.43	U *	4.99	2.43
120-82-1	1,2,4-Trichlorobenzene	1.97	U	4.99	1.97
87-68-3	Hexachlorobutadiene	1.13	U	4.99	1.13
91-20-3	Naphthalene	2.36	U	9.98	2.36
87-61-6	1,2,3-Trichlorobenzene	0.619	U	4.99	0.619
75-15-0	Carbon disulfide	0.549	U	9.98	0.549
67-64-1	Acetone	50.9		9.98	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-16-17-11122013 | Lab Sample ID: 600-82738-35

Matrix: Solid | Lab File ID: k32620.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:20

Sample wt/vol: 6.38(g) | Date Analyzed: 11/22/2013 19:28

Soil Aliquot Vol: | Dilution Factor: 0.78

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.8 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		50-130
1868-53-7	Dibromofluoromethane	104		68-140
460-00-4	4-Bromofluorobenzene	99		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-21-22-11122013 | Lab Sample ID: 600-82738-36

Matrix: Solid | Lab File ID: k32517.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:33

Sample wt/vol: 7.00(g) | Date Analyzed: 11/21/2013 16:51

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.5 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.37	U	4.46	1.37
74-87-3	Chloromethane	1.48	U	8.93	1.48
75-01-4	Vinyl chloride	0.803	U	8.93	0.803
74-83-9	Bromomethane	0.741	U	8.93	0.741
75-00-3	Chloroethane	1.25	U	8.93	1.25
75-69-4	Trichlorofluoromethane	0.589	U	8.93	0.589
75-35-4	1,1-Dichloroethene	1.09	U	4.46	1.09
156-60-5	trans-1,2-Dichloroethene	1.02	U	4.46	1.02
1634-04-4	Methyl tert-butyl ether	1.63	U	4.46	1.63
75-09-2	Methylene Chloride	1.95	U	8.93	1.95
156-59-2	cis-1,2-Dichloroethene	0.741	U	4.46	0.741
78-93-3	2-Butanone (MEK)	4.12	J	8.93	1.70
74-97-5	Bromochloromethane	1.59	U	4.46	1.59
56-23-5	Carbon tetrachloride	1.01	U	4.46	1.01
71-43-2	Benzene	1.76	J	4.46	0.562
107-06-2	1,2-Dichloroethane	0.803	U	4.46	0.803
79-01-6	Trichloroethene	1.25	U	4.46	1.25
71-55-6	1,1,1-Trichloroethane	0.660	U	4.46	0.660
75-34-3	1,1-Dichloroethane	0.777	U	4.46	0.777
78-87-5	1,2-Dichloropropane	0.634	U	4.46	0.634
594-20-7	2,2-Dichloropropane	1.62	U	4.46	1.62
74-95-3	Dibromomethane	0.669	U	4.46	0.669
67-66-3	Chloroform	0.589	U	4.46	0.589
75-27-4	Bromodichloromethane	0.589	U	4.46	0.589
110-75-8	2-Chloroethyl vinyl ether	0.875	U	8.93	0.875
563-58-6	1,1-Dichloropropene	0.580	U	4.46	0.580
10061-01-5	cis-1,3-Dichloropropene	0.482	U	4.46	0.482
108-88-3	Toluene	1.75	J	4.46	1.23
10061-02-6	trans-1,3-Dichloropropene	0.518	U	4.46	0.518
79-00-5	1,1,2-Trichloroethane	0.652	U	35.7	0.652
127-18-4	Tetrachloroethene	0.634	U	4.46	0.634
142-28-9	1,3-Dichloropropane	0.562	U	4.46	0.562
124-48-1	Chlorodibromomethane	0.839	U	4.46	0.839
106-93-4	1,2-Dibromoethane	0.910	U	4.46	0.910
108-90-7	Chlorobenzene	0.857	U	4.46	0.857
630-20-6	1,1,1,2-Tetrachloroethane	1.25	U	4.46	1.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-21-22-11122013 | Lab Sample ID: 600-82738-36

Matrix: Solid | Lab File ID: k32517.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:33

Sample wt/vol: 7.00(g) | Date Analyzed: 11/21/2013 16:51

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.5 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.910	U	4.46	0.910
179601-23-1	m-Xylene & p-Xylene	1.36	U	8.93	1.36
1330-20-7	Xylenes, Total	1.01	U	4.46	1.01
95-47-6	o-Xylene	1.01	U	4.46	1.01
100-42-5	Styrene	0.634	U	4.46	0.634
75-25-2	Bromoform	1.22	U	4.46	1.22
98-82-8	Isopropylbenzene	0.821	U	4.46	0.821
108-86-1	Bromobenzene	0.884	U	4.46	0.884
96-18-4	1,2,3-Trichloropropane	1.17	U	4.46	1.17
79-34-5	1,1,2,2-Tetrachloroethane	0.777	U	4.46	0.777
103-65-1	N-Propylbenzene	0.848	U	4.46	0.848
95-49-8	2-Chlorotoluene	0.607	U	4.46	0.607
106-43-4	4-Chlorotoluene	0.741	U	4.46	0.741
108-67-8	1,3,5-Trimethylbenzene	1.43	U	4.46	1.43
98-06-6	tert-Butylbenzene	0.848	U	4.46	0.848
99-87-6	4-Isopropyltoluene	0.910	U	4.46	0.910
95-63-6	1,2,4-Trimethylbenzene	0.821	U	4.46	0.821
135-98-8	sec-Butylbenzene	0.625	U	4.46	0.625
541-73-1	1,3-Dichlorobenzene	0.634	U	4.46	0.634
106-46-7	1,4-Dichlorobenzene	0.589	U	4.46	0.589
95-50-1	1,2-Dichlorobenzene	0.714	U	4.46	0.714
104-51-8	n-Butylbenzene	0.518	U	4.46	0.518
96-12-8	1,2-Dibromo-3-Chloropropane	2.18	U	4.46	2.18
120-82-1	1,2,4-Trichlorobenzene	1.76	U	4.46	1.76
87-68-3	Hexachlorobutadiene	1.01	U	4.46	1.01
91-20-3	Naphthalene	2.12	U	8.93	2.12
87-61-6	1,2,3-Trichlorobenzene	0.553	U	4.46	0.553
75-15-0	Carbon disulfide	0.491	U	8.93	0.491
67-64-1	Acetone	37.7		8.93	1.48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB06-21-22-11122013 Lab Sample ID: 600-82738-36

Matrix: Solid Lab File ID: k32517.D

Analysis Method: 8260B Date Collected: 11/12/2013 13:33

Sample wt/vol: 7.00(g) Date Analyzed: 11/21/2013 16:51

Soil Aliquot Vol: Dilution Factor: 0.71

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.5 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	106		68-140
460-00-4	4-Bromofluorobenzene	84		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD06-21-22-11122013 | Lab Sample ID: 600-82738-37

Matrix: Solid | Lab File ID: k32518.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:35

Sample wt/vol: 6.71(g) | Date Analyzed: 11/21/2013 17:15

Soil Aliquot Vol: | Dilution Factor: 0.75

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.53	U	4.96	1.53
74-87-3	Chloromethane	1.65	U	9.91	1.65
75-01-4	Vinyl chloride	0.892	U	9.91	0.892
74-83-9	Bromomethane	0.823	U	9.91	0.823
75-00-3	Chloroethane	1.39	U	9.91	1.39
75-69-4	Trichlorofluoromethane	0.654	U	9.91	0.654
75-35-4	1,1-Dichloroethene	1.21	U	4.96	1.21
156-60-5	trans-1,2-Dichloroethene	1.13	U	4.96	1.13
1634-04-4	Methyl tert-butyl ether	1.81	U	4.96	1.81
75-09-2	Methylene Chloride	2.17	U	9.91	2.17
156-59-2	cis-1,2-Dichloroethene	0.823	U	4.96	0.823
78-93-3	2-Butanone (MEK)	5.26	J	9.91	1.88
74-97-5	Bromochloromethane	1.76	U	4.96	1.76
56-23-5	Carbon tetrachloride	1.12	U	4.96	1.12
71-43-2	Benzene	1.43	J	4.96	0.624
107-06-2	1,2-Dichloroethane	0.892	U	4.96	0.892
79-01-6	Trichloroethene	1.39	U	4.96	1.39
71-55-6	1,1,1-Trichloroethane	0.734	U	4.96	0.734
75-34-3	1,1-Dichloroethane	0.862	U	4.96	0.862
78-87-5	1,2-Dichloropropane	0.704	U	4.96	0.704
594-20-7	2,2-Dichloropropane	1.80	U	4.96	1.80
74-95-3	Dibromomethane	0.743	U	4.96	0.743
67-66-3	Chloroform	0.654	U	4.96	0.654
75-27-4	Bromodichloromethane	0.654	U	4.96	0.654
110-75-8	2-Chloroethyl vinyl ether	0.971	U	9.91	0.971
563-58-6	1,1-Dichloropropene	0.644	U	4.96	0.644
10061-01-5	cis-1,3-Dichloropropene	0.535	U	4.96	0.535
108-88-3	Toluene	1.38	J	4.96	1.37
10061-02-6	trans-1,3-Dichloropropene	0.575	U	4.96	0.575
79-00-5	1,1,2-Trichloroethane	0.724	U	39.6	0.724
127-18-4	Tetrachloroethene	0.704	U	4.96	0.704
142-28-9	1,3-Dichloropropane	0.624	U	4.96	0.624
124-48-1	Chlorodibromomethane	0.932	U	4.96	0.932
106-93-4	1,2-Dibromoethane	1.01	U	4.96	1.01
108-90-7	Chlorobenzene	0.952	U	4.96	0.952
630-20-6	1,1,1,2-Tetrachloroethane	1.39	U	4.96	1.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD06-21-22-11122013 Lab Sample ID: 600-82738-37

Matrix: Solid Lab File ID: k32518.D

Analysis Method: 8260B Date Collected: 11/12/2013 13:35

Sample wt/vol: 6.71(g) Date Analyzed: 11/21/2013 17:15

Soil Aliquot Vol: Dilution Factor: 0.75

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.01	U	4.96	1.01
179601-23-1	m-Xylene & p-Xylene	1.51	U	9.91	1.51
1330-20-7	Xylenes, Total	1.12	U	4.96	1.12
95-47-6	o-Xylene	1.12	U	4.96	1.12
100-42-5	Styrene	0.704	U	4.96	0.704
75-25-2	Bromoform	1.36	U	4.96	1.36
98-82-8	Isopropylbenzene	0.912	U	4.96	0.912
108-86-1	Bromobenzene	0.981	U	4.96	0.981
96-18-4	1,2,3-Trichloropropane	1.30	U	4.96	1.30
79-34-5	1,1,2,2-Tetrachloroethane	0.862	U	4.96	0.862
103-65-1	N-Propylbenzene	0.942	U	4.96	0.942
95-49-8	2-Chlorotoluene	0.674	U	4.96	0.674
106-43-4	4-Chlorotoluene	0.823	U	4.96	0.823
108-67-8	1,3,5-Trimethylbenzene	1.59	U	4.96	1.59
98-06-6	tert-Butylbenzene	0.942	U	4.96	0.942
99-87-6	4-Isopropyltoluene	1.01	U	4.96	1.01
95-63-6	1,2,4-Trimethylbenzene	0.912	U	4.96	0.912
135-98-8	sec-Butylbenzene	0.694	U	4.96	0.694
541-73-1	1,3-Dichlorobenzene	0.704	U	4.96	0.704
106-46-7	1,4-Dichlorobenzene	0.654	U	4.96	0.654
95-50-1	1,2-Dichlorobenzene	0.793	U	4.96	0.793
104-51-8	n-Butylbenzene	0.575	U	4.96	0.575
96-12-8	1,2-Dibromo-3-Chloropropane	2.42	U	4.96	2.42
120-82-1	1,2,4-Trichlorobenzene	1.95	U	4.96	1.95
87-68-3	Hexachlorobutadiene	1.12	U	4.96	1.12
91-20-3	Naphthalene	2.35	U	9.91	2.35
87-61-6	1,2,3-Trichlorobenzene	0.615	U	4.96	0.615
75-15-0	Carbon disulfide	0.545	U	9.91	0.545
67-64-1	Acetone	49.7		9.91	1.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD06-21-22-11122013 | Lab Sample ID: 600-82738-37

Matrix: Solid | Lab File ID: k32518.D

Analysis Method: 8260B | Date Collected: 11/12/2013 13:35

Sample wt/vol: 6.71(g) | Date Analyzed: 11/21/2013 17:15

Soil Aliquot Vol: | Dilution Factor: 0.75

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	99		68-140
460-00-4	4-Bromofluorobenzene	85		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-2-3-11122013 | Lab Sample ID: 600-82738-39

Matrix: Solid | Lab File ID: k32519.D

Analysis Method: 8260B | Date Collected: 11/12/2013 15:45

Sample wt/vol: 6.10(g) | Date Analyzed: 11/21/2013 17:38

Soil Aliquot Vol: | Dilution Factor: 0.82

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.4 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.44	U	4.68	1.44
74-87-3	Chloromethane	1.55	U	9.36	1.55
75-01-4	Vinyl chloride	0.843	U	9.36	0.843
74-83-9	Bromomethane	0.777	U	9.36	0.777
75-00-3	Chloroethane	1.31	U	9.36	1.31
75-69-4	Trichlorofluoromethane	0.618	U	9.36	0.618
75-35-4	1,1-Dichloroethene	1.14	U	4.68	1.14
156-60-5	trans-1,2-Dichloroethene	1.07	U	4.68	1.07
1634-04-4	Methyl tert-butyl ether	1.71	U	4.68	1.71
75-09-2	Methylene Chloride	2.05	U	9.36	2.05
156-59-2	cis-1,2-Dichloroethene	0.777	U	4.68	0.777
78-93-3	2-Butanone (MEK)	1.78	U	9.36	1.78
74-97-5	Bromochloromethane	1.67	U	4.68	1.67
56-23-5	Carbon tetrachloride	1.06	U	4.68	1.06
71-43-2	Benzene	0.590	U	4.68	0.590
107-06-2	1,2-Dichloroethane	0.843	U	4.68	0.843
79-01-6	Trichloroethene	1.31	U	4.68	1.31
71-55-6	1,1,1-Trichloroethane	0.693	U	4.68	0.693
75-34-3	1,1-Dichloroethane	0.815	U	4.68	0.815
78-87-5	1,2-Dichloropropane	0.665	U	4.68	0.665
594-20-7	2,2-Dichloropropane	1.70	U	4.68	1.70
74-95-3	Dibromomethane	0.702	U	4.68	0.702
67-66-3	Chloroform	0.618	U	4.68	0.618
75-27-4	Bromodichloromethane	0.618	U	4.68	0.618
110-75-8	2-Chloroethyl vinyl ether	0.918	U	9.36	0.918
563-58-6	1,1-Dichloropropene	0.609	U	4.68	0.609
10061-01-5	cis-1,3-Dichloropropene	0.506	U	4.68	0.506
108-88-3	Toluene	1.29	U	4.68	1.29
10061-02-6	trans-1,3-Dichloropropene	0.543	U	4.68	0.543
79-00-5	1,1,2-Trichloroethane	0.684	U	37.5	0.684
127-18-4	Tetrachloroethene	0.665	U	4.68	0.665
142-28-9	1,3-Dichloropropane	0.590	U	4.68	0.590
124-48-1	Chlorodibromomethane	0.880	U	4.68	0.880
106-93-4	1,2-Dibromoethane	0.955	U	4.68	0.955
108-90-7	Chlorobenzene	0.899	U	4.68	0.899
630-20-6	1,1,1,2-Tetrachloroethane	1.31	U	4.68	1.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-2-3-11122013 | Lab Sample ID: 600-82738-39

Matrix: Solid | Lab File ID: k32519.D

Analysis Method: 8260B | Date Collected: 11/12/2013 15:45

Sample wt/vol: 6.10(g) | Date Analyzed: 11/21/2013 17:38

Soil Aliquot Vol: | Dilution Factor: 0.82

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.4 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.955	U	4.68	0.955
179601-23-1	m-Xylene & p-Xylene	1.42	U	9.36	1.42
1330-20-7	Xylenes, Total	1.06	U	4.68	1.06
95-47-6	o-Xylene	1.06	U	4.68	1.06
100-42-5	Styrene	0.665	U	4.68	0.665
75-25-2	Bromoform	1.28	U	4.68	1.28
98-82-8	Isopropylbenzene	0.861	U	4.68	0.861
108-86-1	Bromobenzene	0.927	U	4.68	0.927
96-18-4	1,2,3-Trichloropropane	1.23	U	4.68	1.23
79-34-5	1,1,2,2-Tetrachloroethane	0.815	U	4.68	0.815
103-65-1	N-Propylbenzene	0.890	U	4.68	0.890
95-49-8	2-Chlorotoluene	0.637	U	4.68	0.637
106-43-4	4-Chlorotoluene	0.777	U	4.68	0.777
108-67-8	1,3,5-Trimethylbenzene	1.50	U	4.68	1.50
98-06-6	tert-Butylbenzene	0.890	U	4.68	0.890
99-87-6	4-Isopropyltoluene	0.955	U	4.68	0.955
95-63-6	1,2,4-Trimethylbenzene	0.861	U	4.68	0.861
135-98-8	sec-Butylbenzene	0.655	U	4.68	0.655
541-73-1	1,3-Dichlorobenzene	0.665	U	4.68	0.665
106-46-7	1,4-Dichlorobenzene	0.618	U	4.68	0.618
95-50-1	1,2-Dichlorobenzene	0.749	U	4.68	0.749
104-51-8	n-Butylbenzene	0.543	U	4.68	0.543
96-12-8	1,2-Dibromo-3-Chloropropane	2.28	U	4.68	2.28
120-82-1	1,2,4-Trichlorobenzene	1.84	U	4.68	1.84
87-68-3	Hexachlorobutadiene	1.06	U	4.68	1.06
91-20-3	Naphthalene	2.22	U	9.36	2.22
87-61-6	1,2,3-Trichlorobenzene	0.581	U	4.68	0.581
75-15-0	Carbon disulfide	0.515	U	9.36	0.515
67-64-1	Acetone	50.5		9.36	1.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-2-3-11122013 Lab Sample ID: 600-82738-39

Matrix: Solid Lab File ID: k32519.D

Analysis Method: 8260B Date Collected: 11/12/2013 15:45

Sample wt/vol: 6.10(g) Date Analyzed: 11/21/2013 17:38

Soil Aliquot Vol: Dilution Factor: 0.82

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.4 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	103		68-140
460-00-4	4-Bromofluorobenzene	85		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-5-6-11122013 | Lab Sample ID: 600-82738-40

Matrix: Solid | Lab File ID: k32520.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:00

Sample wt/vol: 7.03(g) | Date Analyzed: 11/21/2013 18:02

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.28	U	4.16	1.28
74-87-3	Chloromethane	1.38	U	8.33	1.38
75-01-4	Vinyl chloride	0.750	U	8.33	0.750
74-83-9	Bromomethane	0.691	U	8.33	0.691
75-00-3	Chloroethane	1.17	U	8.33	1.17
75-69-4	Trichlorofluoromethane	0.550	U	8.33	0.550
75-35-4	1,1-Dichloroethene	1.02	U	4.16	1.02
156-60-5	trans-1,2-Dichloroethene	0.950	U	4.16	0.950
1634-04-4	Methyl tert-butyl ether	1.52	U	4.16	1.52
75-09-2	Methylene Chloride	1.82	U	8.33	1.82
156-59-2	cis-1,2-Dichloroethene	0.691	U	4.16	0.691
78-93-3	2-Butanone (MEK)	1.58	U	8.33	1.58
74-97-5	Bromochloromethane	1.48	U	4.16	1.48
56-23-5	Carbon tetrachloride	0.941	U	4.16	0.941
71-43-2	Benzene	0.525	U	4.16	0.525
107-06-2	1,2-Dichloroethane	0.750	U	4.16	0.750
79-01-6	Trichloroethene	1.17	U	4.16	1.17
71-55-6	1,1,1-Trichloroethane	0.616	U	4.16	0.616
75-34-3	1,1-Dichloroethane	0.725	U	4.16	0.725
78-87-5	1,2-Dichloropropane	0.591	U	4.16	0.591
594-20-7	2,2-Dichloropropane	1.52	U	4.16	1.52
74-95-3	Dibromomethane	0.625	U	4.16	0.625
67-66-3	Chloroform	0.550	U	4.16	0.550
75-27-4	Bromodichloromethane	0.550	U	4.16	0.550
110-75-8	2-Chloroethyl vinyl ether	0.816	U	8.33	0.816
563-58-6	1,1-Dichloropropene	0.541	U	4.16	0.541
10061-01-5	cis-1,3-Dichloropropene	0.450	U	4.16	0.450
108-88-3	Toluene	1.15	U	4.16	1.15
10061-02-6	trans-1,3-Dichloropropene	0.483	U	4.16	0.483
79-00-5	1,1,2-Trichloroethane	0.608	U	33.3	0.608
127-18-4	Tetrachloroethene	0.591	U	4.16	0.591
142-28-9	1,3-Dichloropropane	0.525	U	4.16	0.525
124-48-1	Chlorodibromomethane	0.783	U	4.16	0.783
106-93-4	1,2-Dibromoethane	0.850	U	4.16	0.850
108-90-7	Chlorobenzene	0.800	U	4.16	0.800
630-20-6	1,1,1,2-Tetrachloroethane	1.17	U	4.16	1.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-5-6-11122013 | Lab Sample ID: 600-82738-40

Matrix: Solid | Lab File ID: k32520.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:00

Sample wt/vol: 7.03(g) | Date Analyzed: 11/21/2013 18:02

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.850	U	4.16	0.850
179601-23-1	m-Xylene & p-Xylene	1.27	U	8.33	1.27
1330-20-7	Xylenes, Total	0.941	U	4.16	0.941
95-47-6	o-Xylene	0.941	U	4.16	0.941
100-42-5	Styrene	0.591	U	4.16	0.591
75-25-2	Bromoform	1.14	U	4.16	1.14
98-82-8	Isopropylbenzene	0.766	U	4.16	0.766
108-86-1	Bromobenzene	0.825	U	4.16	0.825
96-18-4	1,2,3-Trichloropropane	1.09	U	4.16	1.09
79-34-5	1,1,2,2-Tetrachloroethane	0.725	U	4.16	0.725
103-65-1	N-Propylbenzene	0.791	U	4.16	0.791
95-49-8	2-Chlorotoluene	0.566	U	4.16	0.566
106-43-4	4-Chlorotoluene	0.691	U	4.16	0.691
108-67-8	1,3,5-Trimethylbenzene	1.33	U	4.16	1.33
98-06-6	tert-Butylbenzene	0.791	U	4.16	0.791
99-87-6	4-Isopropyltoluene	0.850	U	4.16	0.850
95-63-6	1,2,4-Trimethylbenzene	0.766	U	4.16	0.766
135-98-8	sec-Butylbenzene	0.583	U	4.16	0.583
541-73-1	1,3-Dichlorobenzene	0.591	U	4.16	0.591
106-46-7	1,4-Dichlorobenzene	0.550	U	4.16	0.550
95-50-1	1,2-Dichlorobenzene	0.666	U	4.16	0.666
104-51-8	n-Butylbenzene	0.483	U	4.16	0.483
96-12-8	1,2-Dibromo-3-Chloropropane	2.03	U	4.16	2.03
120-82-1	1,2,4-Trichlorobenzene	1.64	U	4.16	1.64
87-68-3	Hexachlorobutadiene	0.941	U	4.16	0.941
91-20-3	Naphthalene	2.18	J B	8.33	1.97
87-61-6	1,2,3-Trichlorobenzene	0.516	U	4.16	0.516
75-15-0	Carbon disulfide	0.458	U	8.33	0.458
67-64-1	Acetone	38.8		8.33	1.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-5-6-11122013 | Lab Sample ID: 600-82738-40

Matrix: Solid | Lab File ID: k32520.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:00

Sample wt/vol: 7.03(g) | Date Analyzed: 11/21/2013 18:02

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		50-130
1868-53-7	Dibromofluoromethane	104		68-140
460-00-4	4-Bromofluorobenzene	88		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-14-15-11122013 | Lab Sample ID: 600-82738-41

Matrix: Solid | Lab File ID: k32521.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:35

Sample wt/vol: 7.00(g) | Date Analyzed: 11/21/2013 18:26

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.7 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.31	U	4.26	1.31
74-87-3	Chloromethane	1.42	U	8.53	1.42
75-01-4	Vinyl chloride	0.767	U	8.53	0.767
74-83-9	Bromomethane	0.708	U	8.53	0.708
75-00-3	Chloroethane	1.19	U	8.53	1.19
75-69-4	Trichlorofluoromethane	0.563	U	8.53	0.563
75-35-4	1,1-Dichloroethene	1.04	U	4.26	1.04
156-60-5	trans-1,2-Dichloroethene	0.972	U	4.26	0.972
1634-04-4	Methyl tert-butyl ether	1.56	U	4.26	1.56
75-09-2	Methylene Chloride	1.87	U	8.53	1.87
156-59-2	cis-1,2-Dichloroethene	0.708	U	4.26	0.708
78-93-3	2-Butanone (MEK)	3.80	J	8.53	1.62
74-97-5	Bromochloromethane	1.52	U	4.26	1.52
56-23-5	Carbon tetrachloride	0.963	U	4.26	0.963
71-43-2	Benzene	0.554	J	4.26	0.537
107-06-2	1,2-Dichloroethane	0.767	U	4.26	0.767
79-01-6	Trichloroethene	1.19	U	4.26	1.19
71-55-6	1,1,1-Trichloroethane	0.631	U	4.26	0.631
75-34-3	1,1-Dichloroethane	0.742	U	4.26	0.742
78-87-5	1,2-Dichloropropane	0.605	U	4.26	0.605
594-20-7	2,2-Dichloropropane	1.55	U	4.26	1.55
74-95-3	Dibromomethane	0.639	U	4.26	0.639
67-66-3	Chloroform	0.563	U	4.26	0.563
75-27-4	Bromodichloromethane	0.563	U	4.26	0.563
110-75-8	2-Chloroethyl vinyl ether	0.836	U	8.53	0.836
563-58-6	1,1-Dichloropropene	0.554	U	4.26	0.554
10061-01-5	cis-1,3-Dichloropropene	0.460	U	4.26	0.460
108-88-3	Toluene	1.18	U	4.26	1.18
10061-02-6	trans-1,3-Dichloropropene	0.495	U	4.26	0.495
79-00-5	1,1,2-Trichloroethane	0.622	U	34.1	0.622
127-18-4	Tetrachloroethene	0.605	U	4.26	0.605
142-28-9	1,3-Dichloropropane	0.537	U	4.26	0.537
124-48-1	Chlorodibromomethane	0.801	U	4.26	0.801
106-93-4	1,2-Dibromoethane	0.870	U	4.26	0.870
108-90-7	Chlorobenzene	0.819	U	4.26	0.819
630-20-6	1,1,1,2-Tetrachloroethane	1.19	U	4.26	1.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-14-15-11122013 | Lab Sample ID: 600-82738-41

Matrix: Solid | Lab File ID: k32521.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:35

Sample wt/vol: 7.00(g) | Date Analyzed: 11/21/2013 18:26

Soil Aliquot Vol: | Dilution Factor: 0.71

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.7 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.870	U	4.26	0.870
179601-23-1	m-Xylene & p-Xylene	1.30	U	8.53	1.30
1330-20-7	Xylenes, Total	0.963	U	4.26	0.963
95-47-6	o-Xylene	0.963	U	4.26	0.963
100-42-5	Styrene	0.605	U	4.26	0.605
75-25-2	Bromoform	1.17	U	4.26	1.17
98-82-8	Isopropylbenzene	0.784	U	4.26	0.784
108-86-1	Bromobenzene	0.844	U	4.26	0.844
96-18-4	1,2,3-Trichloropropane	1.12	U	4.26	1.12
79-34-5	1,1,2,2-Tetrachloroethane	0.742	U	4.26	0.742
103-65-1	N-Propylbenzene	0.810	U	4.26	0.810
95-49-8	2-Chlorotoluene	0.580	U	4.26	0.580
106-43-4	4-Chlorotoluene	0.708	U	4.26	0.708
108-67-8	1,3,5-Trimethylbenzene	1.36	U	4.26	1.36
98-06-6	tert-Butylbenzene	0.810	U	4.26	0.810
99-87-6	4-Isopropyltoluene	0.870	U	4.26	0.870
95-63-6	1,2,4-Trimethylbenzene	0.784	U	4.26	0.784
135-98-8	sec-Butylbenzene	0.597	U	4.26	0.597
541-73-1	1,3-Dichlorobenzene	0.605	U	4.26	0.605
106-46-7	1,4-Dichlorobenzene	0.563	U	4.26	0.563
95-50-1	1,2-Dichlorobenzene	0.682	U	4.26	0.682
104-51-8	n-Butylbenzene	0.495	U	4.26	0.495
96-12-8	1,2-Dibromo-3-Chloropropane	2.08	U	4.26	2.08
120-82-1	1,2,4-Trichlorobenzene	1.68	U	4.26	1.68
87-68-3	Hexachlorobutadiene	0.963	U	4.26	0.963
91-20-3	Naphthalene	2.95	J B	8.53	2.02
87-61-6	1,2,3-Trichlorobenzene	0.529	U	4.26	0.529
75-15-0	Carbon disulfide	0.469	U	8.53	0.469
67-64-1	Acetone	60.3		8.53	1.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-14-15-11122013 Lab Sample ID: 600-82738-41

Matrix: Solid Lab File ID: k32521.D

Analysis Method: 8260B Date Collected: 11/12/2013 16:35

Sample wt/vol: 7.00(g) Date Analyzed: 11/21/2013 18:26

Soil Aliquot Vol: Dilution Factor: 0.71

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.7 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		50-130
1868-53-7	Dibromofluoromethane	104		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-20-21-11122013 | Lab Sample ID: 600-82738-42

Matrix: Solid | Lab File ID: J33021.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:45

Sample wt/vol: 5.31(g) | Date Analyzed: 11/26/2013 19:14

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	72.5	U	235	72.5
74-87-3	Chloromethane	78.2	U	471	78.2
75-01-4	Vinyl chloride	42.4	U	471	42.4
74-83-9	Bromomethane	375	J B	471	39.1
75-00-3	Chloroethane	65.9	U	471	65.9
75-69-4	Trichlorofluoromethane	31.1	U	471	31.1
75-35-4	1,1-Dichloroethene	57.4	U	235	57.4
156-60-5	trans-1,2-Dichloroethene	53.7	U	235	53.7
1634-04-4	Methyl tert-butyl ether	86.2	U	235	86.2
75-09-2	Methylene Chloride	103	U	471	103
156-59-2	cis-1,2-Dichloroethene	39.1	U	235	39.1
78-93-3	2-Butanone (MEK)	89.5	U	471	89.5
74-97-5	Bromochloromethane	83.8	U	235	83.8
56-23-5	Carbon tetrachloride	53.2	U	235	53.2
71-43-2	Benzene	164	J	235	29.7
107-06-2	1,2-Dichloroethane	42.4	U	235	42.4
79-01-6	Trichloroethene	65.9	U	235	65.9
71-55-6	1,1,1-Trichloroethane	34.8	U	235	34.8
75-34-3	1,1-Dichloroethane	41.0	U	235	41.0
78-87-5	1,2-Dichloropropane	33.4	U	235	33.4
594-20-7	2,2-Dichloropropane	85.7	U	235	85.7
74-95-3	Dibromomethane	35.3	U	235	35.3
67-66-3	Chloroform	31.1	U	235	31.1
75-27-4	Bromodichloromethane	31.1	U	235	31.1
110-75-8	2-Chloroethyl vinyl ether	751	*	471	46.1
563-58-6	1,1-Dichloropropene	30.6	U	235	30.6
10061-01-5	cis-1,3-Dichloropropene	25.4	U	235	25.4
108-88-3	Toluene	2120		235	65.0
10061-02-6	trans-1,3-Dichloropropene	27.3	U	235	27.3
79-00-5	1,1,2-Trichloroethane	34.4	U	1880	34.4
127-18-4	Tetrachloroethene	512		235	33.4
142-28-9	1,3-Dichloropropane	29.7	U	235	29.7
124-48-1	Chlorodibromomethane	44.3	U	235	44.3
106-93-4	1,2-Dibromoethane	48.0	U	235	48.0
108-90-7	Chlorobenzene	45.2	U	235	45.2
630-20-6	1,1,1,2-Tetrachloroethane	65.9	U	235	65.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-20-21-11122013 Lab Sample ID: 600-82738-42

Matrix: Solid Lab File ID: J33021.D

Analysis Method: 8260B Date Collected: 11/12/2013 16:45

Sample wt/vol: 5.31(g) Date Analyzed: 11/26/2013 19:14

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	33.4	U	235	33.4
75-25-2	Bromoform	64.5	U	235	64.5
108-86-1	Bromobenzene	46.6	U	235	46.6
96-18-4	1,2,3-Trichloropropane	61.7	U	235	61.7
79-34-5	1,1,2,2-Tetrachloroethane	41.0	U	235	41.0
95-49-8	2-Chlorotoluene	32.0	U	235	32.0
106-43-4	4-Chlorotoluene	39.1	U	235	39.1
98-06-6	tert-Butylbenzene	44.7	U	235	44.7
99-87-6	4-Isopropyltoluene	2170		235	48.0
135-98-8	sec-Butylbenzene	4350		235	33.0
541-73-1	1,3-Dichlorobenzene	33.4	U	235	33.4
106-46-7	1,4-Dichlorobenzene	31.1	U	235	31.1
95-50-1	1,2-Dichlorobenzene	37.7	U	235	37.7
96-12-8	1,2-Dibromo-3-Chloropropane	115	U	235	115
120-82-1	1,2,4-Trichlorobenzene	92.7	U	235	92.7
87-68-3	Hexachlorobutadiene	53.2	U	235	53.2
87-61-6	1,2,3-Trichlorobenzene	29.2	U	235	29.2
67-64-1	Acetone	78.2	U	471	78.2
75-15-0	Carbon disulfide	1790		471	25.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	90		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-20-21-11122013 | Lab Sample ID: 600-82738-42

Matrix: Solid | Lab File ID: T33216.D

Analysis Method: 8260B | Date Collected: 11/12/2013 16:45

Sample wt/vol: 5.31(g) | Date Analyzed: 11/28/2013 18:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121793 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	12400		4710	960
179601-23-1	m-Xylene & p-Xylene	49500		9420	1430
1330-20-7	Xylenes, Total	152000		4710	1060
95-47-6	o-Xylene	102000		4710	1060
98-82-8	Isopropylbenzene	21500		4710	866
103-65-1	N-Propylbenzene	56600		4710	895
108-67-8	1,3,5-Trimethylbenzene	62400		4710	1510
95-63-6	1,2,4-Trimethylbenzene	244000	E	4710	866
104-51-8	n-Butylbenzene	9680		4710	546
91-20-3	Naphthalene	16700		9420	2230

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		50-130
1868-53-7	Dibromofluoromethane	91		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-29-30-11122013 | Lab Sample ID: 600-82738-43

Matrix: Solid | Lab File ID: k32523.D

Analysis Method: 8260B | Date Collected: 11/12/2013 17:00

Sample wt/vol: 6.17(g) | Date Analyzed: 11/21/2013 19:14

Soil Aliquot Vol: | Dilution Factor: 0.81

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.65	U	5.35	1.65
74-87-3	Chloromethane	1.78	U	10.7	1.78
75-01-4	Vinyl chloride	0.963	U	10.7	0.963
74-83-9	Bromomethane	0.888	U	10.7	0.888
75-00-3	Chloroethane	1.50	U	10.7	1.50
75-69-4	Trichlorofluoromethane	0.706	U	10.7	0.706
75-35-4	1,1-Dichloroethene	1.31	U	5.35	1.31
156-60-5	trans-1,2-Dichloroethene	1.22	U	5.35	1.22
1634-04-4	Methyl tert-butyl ether	1.96	U	5.35	1.96
75-09-2	Methylene Chloride	2.34	U	10.7	2.34
156-59-2	cis-1,2-Dichloroethene	0.888	U	5.35	0.888
78-93-3	2-Butanone (MEK)	2.03	U	10.7	2.03
74-97-5	Bromochloromethane	1.90	U	5.35	1.90
56-23-5	Carbon tetrachloride	1.21	U	5.35	1.21
71-43-2	Benzene	0.674	U	5.35	0.674
107-06-2	1,2-Dichloroethane	0.963	U	5.35	0.963
79-01-6	Trichloroethene	1.50	U	5.35	1.50
71-55-6	1,1,1-Trichloroethane	0.792	U	5.35	0.792
75-34-3	1,1-Dichloroethane	0.931	U	5.35	0.931
78-87-5	1,2-Dichloropropane	0.760	U	5.35	0.760
594-20-7	2,2-Dichloropropane	1.95	U	5.35	1.95
74-95-3	Dibromomethane	0.803	U	5.35	0.803
67-66-3	Chloroform	0.706	U	5.35	0.706
75-27-4	Bromodichloromethane	0.706	U	5.35	0.706
110-75-8	2-Chloroethyl vinyl ether	1.05	U	10.7	1.05
563-58-6	1,1-Dichloropropene	0.696	U	5.35	0.696
10061-01-5	cis-1,3-Dichloropropene	0.578	U	5.35	0.578
108-88-3	Toluene	1.48	U	5.35	1.48
10061-02-6	trans-1,3-Dichloropropene	0.621	U	5.35	0.621
79-00-5	1,1,2-Trichloroethane	0.781	U	42.8	0.781
127-18-4	Tetrachloroethene	0.760	U	5.35	0.760
142-28-9	1,3-Dichloropropane	0.674	U	5.35	0.674
124-48-1	Chlorodibromomethane	1.01	U	5.35	1.01
106-93-4	1,2-Dibromoethane	1.09	U	5.35	1.09
108-90-7	Chlorobenzene	1.03	U	5.35	1.03
630-20-6	1,1,1,2-Tetrachloroethane	1.50	U	5.35	1.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-29-30-11122013 | Lab Sample ID: 600-82738-43

Matrix: Solid | Lab File ID: k32523.D

Analysis Method: 8260B | Date Collected: 11/12/2013 17:00

Sample wt/vol: 6.17(g) | Date Analyzed: 11/21/2013 19:14

Soil Aliquot Vol: | Dilution Factor: 0.81

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.98	J	5.35	1.09
179601-23-1	m-Xylene & p-Xylene	5.25	J	10.7	1.63
1330-20-7	Xylenes, Total	10.3		5.35	1.21
95-47-6	o-Xylene	5.00	J	5.35	1.21
100-42-5	Styrene	0.760	U	5.35	0.760
75-25-2	Bromoform	1.47	U	5.35	1.47
98-82-8	Isopropylbenzene	2.97	J	5.35	0.984
108-86-1	Bromobenzene	1.06	U	5.35	1.06
96-18-4	1,2,3-Trichloropropane	1.40	U	5.35	1.40
79-34-5	1,1,2,2-Tetrachloroethane	0.931	U	5.35	0.931
103-65-1	N-Propylbenzene	8.34		5.35	1.02
95-49-8	2-Chlorotoluene	0.728	U	5.35	0.728
106-43-4	4-Chlorotoluene	0.888	U	5.35	0.888
108-67-8	1,3,5-Trimethylbenzene	11.1		5.35	1.71
98-06-6	tert-Butylbenzene	1.02	U	5.35	1.02
99-87-6	4-Isopropyltoluene	1.09	U	5.35	1.09
95-63-6	1,2,4-Trimethylbenzene	43.1		5.35	0.984
135-98-8	sec-Butylbenzene	0.990	J	5.35	0.749
541-73-1	1,3-Dichlorobenzene	0.760	U	5.35	0.760
106-46-7	1,4-Dichlorobenzene	0.706	U	5.35	0.706
95-50-1	1,2-Dichlorobenzene	0.856	U	5.35	0.856
104-51-8	n-Butylbenzene	2.81	J	5.35	0.621
96-12-8	1,2-Dibromo-3-Chloropropane	2.61	U	5.35	2.61
120-82-1	1,2,4-Trichlorobenzene	2.11	U	5.35	2.11
87-68-3	Hexachlorobutadiene	1.21	U	5.35	1.21
91-20-3	Naphthalene	27.2	B	10.7	2.54
87-61-6	1,2,3-Trichlorobenzene	0.663	U	5.35	0.663
75-15-0	Carbon disulfide	3.72	J	10.7	0.589
67-64-1	Acetone	84.6		10.7	1.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB07-29-30-11122013 Lab Sample ID: 600-82738-43

Matrix: Solid Lab File ID: k32523.D

Analysis Method: 8260B Date Collected: 11/12/2013 17:00

Sample wt/vol: 6.17(g) Date Analyzed: 11/21/2013 19:14

Soil Aliquot Vol: Dilution Factor: 0.81

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 24.3 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		50-130
1868-53-7	Dibromofluoromethane	101		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-2-3-11132013 | Lab Sample ID: 600-82738-45

Matrix: Solid | Lab File ID: k32621.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:00

Sample wt/vol: 4.77(g) | Date Analyzed: 11/22/2013 19:53

Soil Aliquot Vol: | Dilution Factor: 1.05

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.87	U *	6.07	1.87
74-87-3	Chloromethane	2.01	U	12.1	2.01
75-01-4	Vinyl chloride	1.09	U	12.1	1.09
74-83-9	Bromomethane	1.01	U	12.1	1.01
75-00-3	Chloroethane	1.70	U	12.1	1.70
75-69-4	Trichlorofluoromethane	0.801	U	12.1	0.801
75-35-4	1,1-Dichloroethene	1.48	U	6.07	1.48
156-60-5	trans-1,2-Dichloroethene	1.38	U	6.07	1.38
1634-04-4	Methyl tert-butyl ether	2.22	U	6.07	2.22
75-09-2	Methylene Chloride	2.66	U	12.1	2.66
156-59-2	cis-1,2-Dichloroethene	1.01	U	6.07	1.01
78-93-3	2-Butanone (MEK)	2.31	U	12.1	2.31
74-97-5	Bromochloromethane	2.16	U	6.07	2.16
56-23-5	Carbon tetrachloride	1.37	U	6.07	1.37
71-43-2	Benzene	0.764	U	6.07	0.764
107-06-2	1,2-Dichloroethane	1.09	U	6.07	1.09
79-01-6	Trichloroethene	1.70	U *	6.07	1.70
71-55-6	1,1,1-Trichloroethane	0.898	U	6.07	0.898
75-34-3	1,1-Dichloroethane	1.06	U	6.07	1.06
78-87-5	1,2-Dichloropropane	0.861	U	6.07	0.861
594-20-7	2,2-Dichloropropane	2.21	U	6.07	2.21
74-95-3	Dibromomethane	0.910	U	6.07	0.910
67-66-3	Chloroform	0.801	U	6.07	0.801
75-27-4	Bromodichloromethane	0.801	U	6.07	0.801
110-75-8	2-Chloroethyl vinyl ether	1.19	U	12.1	1.19
563-58-6	1,1-Dichloropropene	0.789	U	6.07	0.789
10061-01-5	cis-1,3-Dichloropropene	0.655	U	6.07	0.655
108-88-3	Toluene	1.67	U	6.07	1.67
10061-02-6	trans-1,3-Dichloropropene	0.704	U	6.07	0.704
79-00-5	1,1,2-Trichloroethane	0.886	U	48.5	0.886
127-18-4	Tetrachloroethene	0.861	U *	6.07	0.861
142-28-9	1,3-Dichloropropane	0.764	U	6.07	0.764
124-48-1	Chlorodibromomethane	1.14	U	6.07	1.14
106-93-4	1,2-Dibromoethane	1.24	U	6.07	1.24
108-90-7	Chlorobenzene	1.16	U	6.07	1.16
630-20-6	1,1,1,2-Tetrachloroethane	1.70	U	6.07	1.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-2-3-11132013 | Lab Sample ID: 600-82738-45

Matrix: Solid | Lab File ID: k32621.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:00

Sample wt/vol: 4.77(g) | Date Analyzed: 11/22/2013 19:53

Soil Aliquot Vol: | Dilution Factor: 1.05

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.24	U	6.07	1.24
179601-23-1	m-Xylene & p-Xylene	1.84	U	12.1	1.84
1330-20-7	Xylenes, Total	1.37	U	6.07	1.37
95-47-6	o-Xylene	1.37	U	6.07	1.37
100-42-5	Styrene	0.861	U	6.07	0.861
75-25-2	Bromoform	1.66	U	6.07	1.66
98-82-8	Isopropylbenzene	1.12	U	6.07	1.12
108-86-1	Bromobenzene	1.20	U	6.07	1.20
96-18-4	1,2,3-Trichloropropane	1.59	U	6.07	1.59
79-34-5	1,1,2,2-Tetrachloroethane	1.06	U	6.07	1.06
103-65-1	N-Propylbenzene	1.15	U	6.07	1.15
95-49-8	2-Chlorotoluene	0.825	U	6.07	0.825
106-43-4	4-Chlorotoluene	1.01	U	6.07	1.01
108-67-8	1,3,5-Trimethylbenzene	1.94	U	6.07	1.94
98-06-6	tert-Butylbenzene	1.15	U	6.07	1.15
99-87-6	4-Isopropyltoluene	1.24	U	6.07	1.24
95-63-6	1,2,4-Trimethylbenzene	1.12	U	6.07	1.12
135-98-8	sec-Butylbenzene	0.849	U	6.07	0.849
541-73-1	1,3-Dichlorobenzene	0.861	U	6.07	0.861
106-46-7	1,4-Dichlorobenzene	0.801	U	6.07	0.801
95-50-1	1,2-Dichlorobenzene	0.971	U	6.07	0.971
104-51-8	n-Butylbenzene	0.704	U	6.07	0.704
96-12-8	1,2-Dibromo-3-Chloropropane	2.96	U *	6.07	2.96
120-82-1	1,2,4-Trichlorobenzene	2.39	U	6.07	2.39
87-68-3	Hexachlorobutadiene	1.37	U	6.07	1.37
91-20-3	Naphthalene	2.88	U	12.1	2.88
87-61-6	1,2,3-Trichlorobenzene	0.752	U	6.07	0.752
75-15-0	Carbon disulfide	0.667	U	12.1	0.667
67-64-1	Acetone	93.8		12.1	2.01

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-2-3-11132013 | Lab Sample ID: 600-82738-45

Matrix: Solid | Lab File ID: k32621.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:00

Sample wt/vol: 4.77(g) | Date Analyzed: 11/22/2013 19:53

Soil Aliquot Vol: | Dilution Factor: 1.05

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		50-130
1868-53-7	Dibromofluoromethane	102		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-5-6-11132013 | Lab Sample ID: 600-82738-46

Matrix: Solid | Lab File ID: k32819.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:05

Sample wt/vol: 5.17(g) | Date Analyzed: 11/24/2013 20:16

Soil Aliquot Vol: | Dilution Factor: 0.98

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.5 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.76	U	5.73	1.76
74-87-3	Chloromethane	1.90	U	11.5	1.90
75-01-4	Vinyl chloride	1.03	U	11.5	1.03
74-83-9	Bromomethane	0.951	U	11.5	0.951
75-00-3	Chloroethane	1.60	U	11.5	1.60
75-69-4	Trichlorofluoromethane	0.756	U	11.5	0.756
75-35-4	1,1-Dichloroethene	1.40	U	5.73	1.40
156-60-5	trans-1,2-Dichloroethene	1.31	U	5.73	1.31
1634-04-4	Methyl tert-butyl ether	2.10	U	5.73	2.10
75-09-2	Methylene Chloride	2.51	U	11.5	2.51
156-59-2	cis-1,2-Dichloroethene	0.951	U	5.73	0.951
78-93-3	2-Butanone (MEK)	2.18	U	11.5	2.18
74-97-5	Bromochloromethane	2.04	U	5.73	2.04
56-23-5	Carbon tetrachloride	1.29	U	5.73	1.29
71-43-2	Benzene	0.722	U	5.73	0.722
107-06-2	1,2-Dichloroethane	1.03	U	5.73	1.03
79-01-6	Trichloroethene	1.60	U	5.73	1.60
71-55-6	1,1,1-Trichloroethane	0.848	U	5.73	0.848
75-34-3	1,1-Dichloroethane	0.997	U	5.73	0.997
78-87-5	1,2-Dichloropropane	0.813	U	5.73	0.813
594-20-7	2,2-Dichloropropane	2.09	U	5.73	2.09
74-95-3	Dibromomethane	0.859	U	5.73	0.859
67-66-3	Chloroform	0.756	U	5.73	0.756
75-27-4	Bromodichloromethane	0.756	U	5.73	0.756
110-75-8	2-Chloroethyl vinyl ether	1.12	U	11.5	1.12
563-58-6	1,1-Dichloropropene	0.745	U	5.73	0.745
10061-01-5	cis-1,3-Dichloropropene	0.619	U	5.73	0.619
108-88-3	Toluene	1.58	U	5.73	1.58
10061-02-6	trans-1,3-Dichloropropene	0.665	U	5.73	0.665
79-00-5	1,1,2-Trichloroethane	0.836	U	45.8	0.836
127-18-4	Tetrachloroethene	0.813	U *	5.73	0.813
142-28-9	1,3-Dichloropropane	0.722	U	5.73	0.722
124-48-1	Chlorodibromomethane	1.08	U	5.73	1.08
106-93-4	1,2-Dibromoethane	1.17	U	5.73	1.17
108-90-7	Chlorobenzene	1.10	U	5.73	1.10
630-20-6	1,1,1,2-Tetrachloroethane	1.60	U	5.73	1.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-5-6-11132013 | Lab Sample ID: 600-82738-46

Matrix: Solid | Lab File ID: k32819.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:05

Sample wt/vol: 5.17(g) | Date Analyzed: 11/24/2013 20:16

Soil Aliquot Vol: | Dilution Factor: 0.98

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.5 | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.17	U	5.73	1.17
179601-23-1	m-Xylene & p-Xylene	1.74	U	11.5	1.74
1330-20-7	Xylenes, Total	1.29	U	5.73	1.29
95-47-6	o-Xylene	1.29	U	5.73	1.29
100-42-5	Styrene	0.813	U	5.73	0.813
75-25-2	Bromoform	1.57	U	5.73	1.57
98-82-8	Isopropylbenzene	1.05	U	5.73	1.05
108-86-1	Bromobenzene	1.13	U	5.73	1.13
96-18-4	1,2,3-Trichloropropane	1.50	U	5.73	1.50
79-34-5	1,1,2,2-Tetrachloroethane	0.997	U	5.73	0.997
103-65-1	N-Propylbenzene	1.09	U	5.73	1.09
95-49-8	2-Chlorotoluene	0.779	U	5.73	0.779
106-43-4	4-Chlorotoluene	0.951	U	5.73	0.951
108-67-8	1,3,5-Trimethylbenzene	1.83	U	5.73	1.83
98-06-6	tert-Butylbenzene	1.09	U	5.73	1.09
99-87-6	4-Isopropyltoluene	1.17	U	5.73	1.17
95-63-6	1,2,4-Trimethylbenzene	1.05	U	5.73	1.05
135-98-8	sec-Butylbenzene	0.802	U	5.73	0.802
541-73-1	1,3-Dichlorobenzene	0.813	U	5.73	0.813
106-46-7	1,4-Dichlorobenzene	0.756	U	5.73	0.756
95-50-1	1,2-Dichlorobenzene	0.917	U	5.73	0.917
104-51-8	n-Butylbenzene	0.665	U	5.73	0.665
96-12-8	1,2-Dibromo-3-Chloropropane	2.80	U	5.73	2.80
120-82-1	1,2,4-Trichlorobenzene	2.26	U	5.73	2.26
87-68-3	Hexachlorobutadiene	1.29	U	5.73	1.29
91-20-3	Naphthalene	2.72	U	11.5	2.72
87-61-6	1,2,3-Trichlorobenzene	0.710	U	5.73	0.710
75-15-0	Carbon disulfide	0.630	U	11.5	0.630
67-64-1	Acetone	22.3		11.5	1.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-5-6-11132013 Lab Sample ID: 600-82738-46

Matrix: Solid Lab File ID: k32819.D

Analysis Method: 8260B Date Collected: 11/13/2013 08:05

Sample wt/vol: 5.17(g) Date Analyzed: 11/24/2013 20:16

Soil Aliquot Vol: Dilution Factor: 0.98

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.5 Level: (low/med) Low

Analysis Batch No.: 121357 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	110		50-130
1868-53-7	Dibromofluoromethane	121		68-140
460-00-4	4-Bromofluorobenzene	97		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	125		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD08-5-6-11132013 | Lab Sample ID: 600-82738-47

Matrix: Solid | Lab File ID: k32512.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:10

Sample wt/vol: 5.34(g) | Date Analyzed: 11/21/2013 14:52

Soil Aliquot Vol: | Dilution Factor: 0.94

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.68	U	5.47	1.68
74-87-3	Chloromethane	1.82	U	10.9	1.82
75-01-4	Vinyl chloride	0.985	U	10.9	0.985
74-83-9	Bromomethane	0.908	U	10.9	0.908
75-00-3	Chloroethane	1.53	U	10.9	1.53
75-69-4	Trichlorofluoromethane	0.722	U	10.9	0.722
75-35-4	1,1-Dichloroethene	1.33	U	5.47	1.33
156-60-5	trans-1,2-Dichloroethene	1.25	U	5.47	1.25
1634-04-4	Methyl tert-butyl ether	2.00	U	5.47	2.00
75-09-2	Methylene Chloride	2.40	U	10.9	2.40
156-59-2	cis-1,2-Dichloroethene	0.908	U	5.47	0.908
78-93-3	2-Butanone (MEK)	2.08	U	10.9	2.08
74-97-5	Bromochloromethane	1.95	U	5.47	1.95
56-23-5	Carbon tetrachloride	1.24	U	5.47	1.24
71-43-2	Benzene	0.689	U	5.47	0.689
107-06-2	1,2-Dichloroethane	0.985	U	5.47	0.985
79-01-6	Trichloroethene	1.53	U	5.47	1.53
71-55-6	1,1,1-Trichloroethane	0.810	U	5.47	0.810
75-34-3	1,1-Dichloroethane	0.952	U	5.47	0.952
78-87-5	1,2-Dichloropropane	0.777	U	5.47	0.777
594-20-7	2,2-Dichloropropane	1.99	U	5.47	1.99
74-95-3	Dibromomethane	0.820	U	5.47	0.820
67-66-3	Chloroform	0.722	U	5.47	0.722
75-27-4	Bromodichloromethane	0.722	U	5.47	0.722
110-75-8	2-Chloroethyl vinyl ether	1.07	U	10.9	1.07
563-58-6	1,1-Dichloropropene	0.711	U	5.47	0.711
10061-01-5	cis-1,3-Dichloropropene	0.591	U	5.47	0.591
108-88-3	Toluene	1.51	U	5.47	1.51
10061-02-6	trans-1,3-Dichloropropene	0.634	U	5.47	0.634
79-00-5	1,1,2-Trichloroethane	0.799	U	43.8	0.799
127-18-4	Tetrachloroethene	0.777	U	5.47	0.777
142-28-9	1,3-Dichloropropane	0.689	U	5.47	0.689
124-48-1	Chlorodibromomethane	1.03	U	5.47	1.03
106-93-4	1,2-Dibromoethane	1.12	U	5.47	1.12
108-90-7	Chlorobenzene	1.05	U	5.47	1.05
630-20-6	1,1,1,2-Tetrachloroethane	1.53	U	5.47	1.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD08-5-6-11132013 | Lab Sample ID: 600-82738-47

Matrix: Solid | Lab File ID: k32512.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:10

Sample wt/vol: 5.34(g) | Date Analyzed: 11/21/2013 14:52

Soil Aliquot Vol: | Dilution Factor: 0.94

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.12	U	5.47	1.12
179601-23-1	m-Xylene & p-Xylene	1.66	U	10.9	1.66
1330-20-7	Xylenes, Total	1.24	U	5.47	1.24
95-47-6	o-Xylene	1.24	U	5.47	1.24
100-42-5	Styrene	0.777	U	5.47	0.777
75-25-2	Bromoform	1.50	U	5.47	1.50
98-82-8	Isopropylbenzene	1.01	U	5.47	1.01
108-86-1	Bromobenzene	1.08	U	5.47	1.08
96-18-4	1,2,3-Trichloropropane	1.43	U	5.47	1.43
79-34-5	1,1,2,2-Tetrachloroethane	0.952	U	5.47	0.952
103-65-1	N-Propylbenzene	1.04	U	5.47	1.04
95-49-8	2-Chlorotoluene	0.744	U	5.47	0.744
106-43-4	4-Chlorotoluene	0.908	U	5.47	0.908
108-67-8	1,3,5-Trimethylbenzene	1.75	U	5.47	1.75
98-06-6	tert-Butylbenzene	1.04	U	5.47	1.04
99-87-6	4-Isopropyltoluene	1.12	U	5.47	1.12
95-63-6	1,2,4-Trimethylbenzene	1.01	U	5.47	1.01
135-98-8	sec-Butylbenzene	0.766	U	5.47	0.766
541-73-1	1,3-Dichlorobenzene	0.777	U	5.47	0.777
106-46-7	1,4-Dichlorobenzene	0.722	U	5.47	0.722
95-50-1	1,2-Dichlorobenzene	0.875	U	5.47	0.875
104-51-8	n-Butylbenzene	0.634	U	5.47	0.634
96-12-8	1,2-Dibromo-3-Chloropropane	2.67	U	5.47	2.67
120-82-1	1,2,4-Trichlorobenzene	2.16	U	5.47	2.16
87-68-3	Hexachlorobutadiene	1.24	U	5.47	1.24
91-20-3	Naphthalene	2.59	U	10.9	2.59
87-61-6	1,2,3-Trichlorobenzene	0.678	U	5.47	0.678
75-15-0	Carbon disulfide	0.602	U	10.9	0.602
67-64-1	Acetone	57.4		10.9	1.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD08-5-6-11132013 Lab Sample ID: 600-82738-47

Matrix: Solid Lab File ID: k32512.D

Analysis Method: 8260B Date Collected: 11/13/2013 08:10

Sample wt/vol: 5.34(g) Date Analyzed: 11/21/2013 14:52

Soil Aliquot Vol: Dilution Factor: 0.94

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.1 Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-130
1868-53-7	Dibromofluoromethane	96		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-16-17-11132013 Lab Sample ID: 600-82738-48

Matrix: Solid Lab File ID: J33018.D

Analysis Method: 8260B Date Collected: 11/13/2013 08:40

Sample wt/vol: 6.70(g) Date Analyzed: 11/26/2013 18:03

Soil Aliquot Vol: 100 (uL) Dilution Factor: 10

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	575	U	1870	575
74-87-3	Chloromethane	619	U	3730	619
75-01-4	Vinyl chloride	336	U	3730	336
74-83-9	Bromomethane	802	J B	3730	310
75-00-3	Chloroethane	522	U	3730	522
75-69-4	Trichlorofluoromethane	246	U	3730	246
75-35-4	1,1-Dichloroethene	455	U	1870	455
156-60-5	trans-1,2-Dichloroethene	425	U	1870	425
1634-04-4	Methyl tert-butyl ether	683	U	1870	683
75-09-2	Methylene Chloride	817	U	3730	817
156-59-2	cis-1,2-Dichloroethene	310	U	1870	310
78-93-3	2-Butanone (MEK)	709	U	3730	709
74-97-5	Bromochloromethane	664	U	1870	664
56-23-5	Carbon tetrachloride	422	U	1870	422
71-43-2	Benzene	235	U	1870	235
107-06-2	1,2-Dichloroethane	336	U	1870	336
79-01-6	Trichloroethene	522	U	1870	522
71-55-6	1,1,1-Trichloroethane	276	U	1870	276
75-34-3	1,1-Dichloroethane	325	U	1870	325
78-87-5	1,2-Dichloropropane	265	U	1870	265
594-20-7	2,2-Dichloropropane	679	U	1870	679
74-95-3	Dibromomethane	280	U	1870	280
67-66-3	Chloroform	246	U	1870	246
75-27-4	Bromodichloromethane	246	U	1870	246
110-75-8	2-Chloroethyl vinyl ether	366	U *	3730	366
563-58-6	1,1-Dichloropropene	243	U	1870	243
10061-01-5	cis-1,3-Dichloropropene	201	U	1870	201
108-88-3	Toluene	515	U	1870	515
10061-02-6	trans-1,3-Dichloropropene	216	U	1870	216
79-00-5	1,1,2-Trichloroethane	272	U	14900	272
127-18-4	Tetrachloroethene	705	J	1870	265
142-28-9	1,3-Dichloropropane	235	U	1870	235
124-48-1	Chlorodibromomethane	351	U	1870	351
106-93-4	1,2-Dibromoethane	381	U	1870	381
108-90-7	Chlorobenzene	358	U	1870	358
630-20-6	1,1,1,2-Tetrachloroethane	522	U	1870	522

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-16-17-11132013 | Lab Sample ID: 600-82738-48

Matrix: Solid | Lab File ID: J33018.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:40

Sample wt/vol: 6.70(g) | Date Analyzed: 11/26/2013 18:03

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	6210		1870	381
179601-23-1	m-Xylene & p-Xylene	58100		3730	567
1330-20-7	Xylenes, Total	147000		1870	422
95-47-6	o-Xylene	89000	E	1870	422
100-42-5	Styrene	2700		1870	265
75-25-2	Bromoform	511	U	1870	511
98-82-8	Isopropylbenzene	15900		1870	343
108-86-1	Bromobenzene	369	U	1870	369
96-18-4	1,2,3-Trichloropropane	489	U	1870	489
79-34-5	1,1,2,2-Tetrachloroethane	325	U	1870	325
103-65-1	N-Propylbenzene	41100		1870	354
95-49-8	2-Chlorotoluene	254	U	1870	254
106-43-4	4-Chlorotoluene	310	U	1870	310
98-06-6	tert-Butylbenzene	354	U	1870	354
99-87-6	4-Isopropyltoluene	3230		1870	381
135-98-8	sec-Butylbenzene	6300		1870	261
541-73-1	1,3-Dichlorobenzene	265	U	1870	265
106-46-7	1,4-Dichlorobenzene	246	U	1870	246
95-50-1	1,2-Dichlorobenzene	299	U	1870	299
104-51-8	n-Butylbenzene	19400		1870	216
96-12-8	1,2-Dibromo-3-Chloropropane	910	U	1870	910
120-82-1	1,2,4-Trichlorobenzene	735	U	1870	735
87-68-3	Hexachlorobutadiene	422	U	1870	422
91-20-3	Naphthalene	29600	B	3730	884
87-61-6	1,2,3-Trichlorobenzene	231	U	1870	231
67-64-1	Acetone	619	U	3730	619
75-15-0	Carbon disulfide	205	U	3730	205

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-130
1868-53-7	Dibromofluoromethane	94		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-16-17-11132013 Lab Sample ID: 600-82738-48

Matrix: Solid Lab File ID: T33214.D

Analysis Method: 8260B Date Collected: 11/13/2013 08:40

Sample wt/vol: 6.70(g) Date Analyzed: 11/28/2013 17:37

Soil Aliquot Vol: 100 (uL) Dilution Factor: 40

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121793 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-67-8	1,3,5-Trimethylbenzene	66200		7460	2390
95-63-6	1,2,4-Trimethylbenzene	246000		7460	1370

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	88		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-19-20-11132013 | Lab Sample ID: 600-82738-49

Matrix: Solid | Lab File ID: J33016.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:45

Sample wt/vol: 5.73(g) | Date Analyzed: 11/26/2013 17:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1340	U	4360	1340
74-87-3	Chloromethane	1450	U	8730	1450
75-01-4	Vinyl chloride	785	U	8730	785
74-83-9	Bromomethane	2600	J B	8730	724
75-00-3	Chloroethane	1220	U	8730	1220
75-69-4	Trichlorofluoromethane	576	U	8730	576
75-35-4	1,1-Dichloroethene	1060	U	4360	1060
156-60-5	trans-1,2-Dichloroethene	995	U	4360	995
1634-04-4	Methyl tert-butyl ether	1600	U	4360	1600
75-09-2	Methylene Chloride	1910	U	8730	1910
156-59-2	cis-1,2-Dichloroethene	724	U	4360	724
78-93-3	2-Butanone (MEK)	1660	U	8730	1660
74-97-5	Bromochloromethane	1550	U	4360	1550
56-23-5	Carbon tetrachloride	986	U	4360	986
71-43-2	Benzene	550	U	4360	550
107-06-2	1,2-Dichloroethane	785	U	4360	785
79-01-6	Trichloroethene	1220	U	4360	1220
71-55-6	1,1,1-Trichloroethane	646	U	4360	646
75-34-3	1,1-Dichloroethane	759	U	4360	759
78-87-5	1,2-Dichloropropane	620	U	4360	620
594-20-7	2,2-Dichloropropane	1590	U	4360	1590
74-95-3	Dibromomethane	654	U	4360	654
67-66-3	Chloroform	576	U	4360	576
75-27-4	Bromodichloromethane	576	U	4360	576
110-75-8	2-Chloroethyl vinyl ether	855	U *	8730	855
563-58-6	1,1-Dichloropropene	567	U	4360	567
10061-01-5	cis-1,3-Dichloropropene	471	U	4360	471
108-88-3	Toluene	1200	U	4360	1200
10061-02-6	trans-1,3-Dichloropropene	506	U	4360	506
79-00-5	1,1,2-Trichloroethane	637	U	34900	637
127-18-4	Tetrachloroethene	620	U	4360	620
142-28-9	1,3-Dichloropropane	550	U	4360	550
124-48-1	Chlorodibromomethane	820	U	4360	820
106-93-4	1,2-Dibromoethane	890	U	4360	890
108-90-7	Chlorobenzene	838	U	4360	838
630-20-6	1,1,1,2-Tetrachloroethane	1220	U	4360	1220

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-19-20-11132013 | Lab Sample ID: 600-82738-49

Matrix: Solid | Lab File ID: J33016.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:45

Sample wt/vol: 5.73(g) | Date Analyzed: 11/26/2013 17:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	18800		4360	890
179601-23-1	m-Xylene & p-Xylene	76800		8730	1330
1330-20-7	Xylenes, Total	197000		4360	986
95-47-6	o-Xylene	120000		4360	986
100-42-5	Styrene	620	U	4360	620
75-25-2	Bromoform	1200	U	4360	1200
98-82-8	Isopropylbenzene	24400		4360	803
108-86-1	Bromobenzene	864	U	4360	864
96-18-4	1,2,3-Trichloropropane	1140	U	4360	1140
79-34-5	1,1,2,2-Tetrachloroethane	759	U	4360	759
103-65-1	N-Propylbenzene	64600		4360	829
95-49-8	2-Chlorotoluene	593	U	4360	593
106-43-4	4-Chlorotoluene	724	U	4360	724
108-67-8	1,3,5-Trimethylbenzene	66800		4360	1400
98-06-6	tert-Butylbenzene	829	U	4360	829
99-87-6	4-Isopropyltoluene	2610	J	4360	890
95-63-6	1,2,4-Trimethylbenzene	258000	E	4360	803
135-98-8	sec-Butylbenzene	5150		4360	611
541-73-1	1,3-Dichlorobenzene	620	U	4360	620
106-46-7	1,4-Dichlorobenzene	576	U	4360	576
95-50-1	1,2-Dichlorobenzene	698	U	4360	698
104-51-8	n-Butylbenzene	17300		4360	506
96-12-8	1,2-Dibromo-3-Chloropropane	2130	U	4360	2130
120-82-1	1,2,4-Trichlorobenzene	1720	U	4360	1720
87-68-3	Hexachlorobutadiene	986	U	4360	986
91-20-3	Naphthalene	79600	B	8730	2070
87-61-6	1,2,3-Trichlorobenzene	541	U	4360	541
67-64-1	Acetone	1450	U	8730	1450
75-15-0	Carbon disulfide	480	U	8730	480

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-19-20-11132013 | Lab Sample ID: 600-82738-49

Matrix: Solid | Lab File ID: J33016.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:45

Sample wt/vol: 5.73(g) | Date Analyzed: 11/26/2013 17:15

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-130
1868-53-7	Dibromofluoromethane	94		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-24-25-11132013 | Lab Sample ID: 600-82738-50

Matrix: Solid | Lab File ID: k32513.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:50

Sample wt/vol: 6.88(g) | Date Analyzed: 11/21/2013 15:16

Soil Aliquot Vol: | Dilution Factor: 0.73

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.40	U	4.55	1.40
74-87-3	Chloromethane	1.51	U	9.10	1.51
75-01-4	Vinyl chloride	0.819	U	9.10	0.819
74-83-9	Bromomethane	0.756	U	9.10	0.756
75-00-3	Chloroethane	1.27	U	9.10	1.27
75-69-4	Trichlorofluoromethane	0.601	U	9.10	0.601
75-35-4	1,1-Dichloroethene	1.11	U	4.55	1.11
156-60-5	trans-1,2-Dichloroethene	1.04	U	4.55	1.04
1634-04-4	Methyl tert-butyl ether	1.67	U	4.55	1.67
75-09-2	Methylene Chloride	1.99	U	9.10	1.99
156-59-2	cis-1,2-Dichloroethene	0.756	U	4.55	0.756
78-93-3	2-Butanone (MEK)	13.5		9.10	1.73
74-97-5	Bromochloromethane	1.62	U	4.55	1.62
56-23-5	Carbon tetrachloride	1.03	U	4.55	1.03
71-43-2	Benzene	1.37	J	4.55	0.574
107-06-2	1,2-Dichloroethane	0.819	U	4.55	0.819
79-01-6	Trichloroethene	1.27	U	4.55	1.27
71-55-6	1,1,1-Trichloroethane	0.674	U	4.55	0.674
75-34-3	1,1-Dichloroethane	0.897	J	4.55	0.792
78-87-5	1,2-Dichloropropane	0.646	U	4.55	0.646
594-20-7	2,2-Dichloropropane	1.66	U	4.55	1.66
74-95-3	Dibromomethane	0.683	U	4.55	0.683
67-66-3	Chloroform	0.601	U	4.55	0.601
75-27-4	Bromodichloromethane	0.601	U	4.55	0.601
110-75-8	2-Chloroethyl vinyl ether	0.892	U	9.10	0.892
563-58-6	1,1-Dichloropropene	0.592	U	4.55	0.592
10061-01-5	cis-1,3-Dichloropropene	0.492	U	4.55	0.492
108-88-3	Toluene	1.43	J	4.55	1.26
10061-02-6	trans-1,3-Dichloropropene	0.528	U	4.55	0.528
79-00-5	1,1,2-Trichloroethane	0.665	U	36.4	0.665
127-18-4	Tetrachloroethene	0.646	U	4.55	0.646
142-28-9	1,3-Dichloropropane	0.574	U	4.55	0.574
124-48-1	Chlorodibromomethane	0.856	U	4.55	0.856
106-93-4	1,2-Dibromoethane	0.929	U	4.55	0.929
108-90-7	Chlorobenzene	0.874	U	4.55	0.874
630-20-6	1,1,1,2-Tetrachloroethane	1.27	U	4.55	1.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-24-25-11132013 | Lab Sample ID: 600-82738-50

Matrix: Solid | Lab File ID: k32513.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:50

Sample wt/vol: 6.88(g) | Date Analyzed: 11/21/2013 15:16

Soil Aliquot Vol: | Dilution Factor: 0.73

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.929	U	4.55	0.929
179601-23-1	m-Xylene & p-Xylene	1.38	J	9.10	1.38
1330-20-7	Xylenes, Total	1.38	J	4.55	1.03
95-47-6	o-Xylene	1.03	U	4.55	1.03
100-42-5	Styrene	0.646	U	4.55	0.646
75-25-2	Bromoform	1.25	U	4.55	1.25
98-82-8	Isopropylbenzene	0.838	U	4.55	0.838
108-86-1	Bromobenzene	0.901	U	4.55	0.901
96-18-4	1,2,3-Trichloropropane	1.19	U	4.55	1.19
79-34-5	1,1,2,2-Tetrachloroethane	0.792	U	4.55	0.792
103-65-1	N-Propylbenzene	0.865	U	4.55	0.865
95-49-8	2-Chlorotoluene	0.619	U	4.55	0.619
106-43-4	4-Chlorotoluene	0.756	U	4.55	0.756
108-67-8	1,3,5-Trimethylbenzene	1.46	U	4.55	1.46
98-06-6	tert-Butylbenzene	0.865	U	4.55	0.865
99-87-6	4-Isopropyltoluene	0.929	U	4.55	0.929
95-63-6	1,2,4-Trimethylbenzene	1.58	J	4.55	0.838
135-98-8	sec-Butylbenzene	0.637	U	4.55	0.637
541-73-1	1,3-Dichlorobenzene	0.646	U	4.55	0.646
106-46-7	1,4-Dichlorobenzene	0.601	U	4.55	0.601
95-50-1	1,2-Dichlorobenzene	0.728	U	4.55	0.728
104-51-8	n-Butylbenzene	0.528	U	4.55	0.528
96-12-8	1,2-Dibromo-3-Chloropropane	2.22	U	4.55	2.22
120-82-1	1,2,4-Trichlorobenzene	1.79	U	4.55	1.79
87-68-3	Hexachlorobutadiene	1.03	U	4.55	1.03
91-20-3	Naphthalene	2.60	J B	9.10	2.16
87-61-6	1,2,3-Trichlorobenzene	0.564	U	4.55	0.564
75-15-0	Carbon disulfide	1.07	J	9.10	0.501
67-64-1	Acetone	154		9.10	1.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB08-24-25-11132013 | Lab Sample ID: 600-82738-50

Matrix: Solid | Lab File ID: k32513.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:50

Sample wt/vol: 6.88(g) | Date Analyzed: 11/21/2013 15:16

Soil Aliquot Vol: | Dilution Factor: 0.73

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	101		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-2-3-11132013 | Lab Sample ID: 600-82738-51

Matrix: Solid | Lab File ID: k32515.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:20

Sample wt/vol: 6.08(g) | Date Analyzed: 11/21/2013 16:03

Soil Aliquot Vol: | Dilution Factor: 0.82

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.48	U	4.82	1.48
74-87-3	Chloromethane	1.60	U	9.64	1.60
75-01-4	Vinyl chloride	0.868	U	9.64	0.868
74-83-9	Bromomethane	0.800	U	9.64	0.800
75-00-3	Chloroethane	1.35	U	9.64	1.35
75-69-4	Trichlorofluoromethane	0.636	U	9.64	0.636
75-35-4	1,1-Dichloroethene	1.18	U	4.82	1.18
156-60-5	trans-1,2-Dichloroethene	1.10	U	4.82	1.10
1634-04-4	Methyl tert-butyl ether	1.76	U	4.82	1.76
75-09-2	Methylene Chloride	2.11	U	9.64	2.11
156-59-2	cis-1,2-Dichloroethene	0.800	U	4.82	0.800
78-93-3	2-Butanone (MEK)	1.83	U	9.64	1.83
74-97-5	Bromochloromethane	1.72	U	4.82	1.72
56-23-5	Carbon tetrachloride	1.09	U	4.82	1.09
71-43-2	Benzene	0.607	U	4.82	0.607
107-06-2	1,2-Dichloroethane	0.868	U	4.82	0.868
79-01-6	Trichloroethene	1.35	U	4.82	1.35
71-55-6	1,1,1-Trichloroethane	0.713	U	4.82	0.713
75-34-3	1,1-Dichloroethane	0.839	U	4.82	0.839
78-87-5	1,2-Dichloropropane	0.685	U	4.82	0.685
594-20-7	2,2-Dichloropropane	1.75	U	4.82	1.75
74-95-3	Dibromomethane	0.723	U	4.82	0.723
67-66-3	Chloroform	0.636	U	4.82	0.636
75-27-4	Bromodichloromethane	0.636	U	4.82	0.636
110-75-8	2-Chloroethyl vinyl ether	0.945	U	9.64	0.945
563-58-6	1,1-Dichloropropene	0.627	U	4.82	0.627
10061-01-5	cis-1,3-Dichloropropene	0.521	U	4.82	0.521
108-88-3	Toluene	1.33	U	4.82	1.33
10061-02-6	trans-1,3-Dichloropropene	0.559	U	4.82	0.559
79-00-5	1,1,2-Trichloroethane	0.704	U	38.6	0.704
127-18-4	Tetrachloroethene	0.685	U	4.82	0.685
142-28-9	1,3-Dichloropropane	0.607	U	4.82	0.607
124-48-1	Chlorodibromomethane	0.906	U	4.82	0.906
106-93-4	1,2-Dibromoethane	0.983	U	4.82	0.983
108-90-7	Chlorobenzene	0.926	U	4.82	0.926
630-20-6	1,1,1,2-Tetrachloroethane	1.35	U	4.82	1.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-2-3-11132013 | Lab Sample ID: 600-82738-51

Matrix: Solid | Lab File ID: k32515.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:20

Sample wt/vol: 6.08(g) | Date Analyzed: 11/21/2013 16:03

Soil Aliquot Vol: | Dilution Factor: 0.82

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.983	U	4.82	0.983
179601-23-1	m-Xylene & p-Xylene	1.47	U	9.64	1.47
1330-20-7	Xylenes, Total	1.09	U	4.82	1.09
95-47-6	o-Xylene	1.09	U	4.82	1.09
100-42-5	Styrene	0.685	U	4.82	0.685
75-25-2	Bromoform	1.32	U	4.82	1.32
98-82-8	Isopropylbenzene	0.887	U	4.82	0.887
108-86-1	Bromobenzene	0.955	U	4.82	0.955
96-18-4	1,2,3-Trichloropropane	1.26	U	4.82	1.26
79-34-5	1,1,2,2-Tetrachloroethane	0.839	U	4.82	0.839
103-65-1	N-Propylbenzene	0.916	U	4.82	0.916
95-49-8	2-Chlorotoluene	0.656	U	4.82	0.656
106-43-4	4-Chlorotoluene	0.800	U	4.82	0.800
108-67-8	1,3,5-Trimethylbenzene	1.54	U	4.82	1.54
98-06-6	tert-Butylbenzene	0.916	U	4.82	0.916
99-87-6	4-Isopropyltoluene	0.983	U	4.82	0.983
95-63-6	1,2,4-Trimethylbenzene	0.887	U	4.82	0.887
135-98-8	sec-Butylbenzene	0.675	U	4.82	0.675
541-73-1	1,3-Dichlorobenzene	0.685	U	4.82	0.685
106-46-7	1,4-Dichlorobenzene	0.636	U	4.82	0.636
95-50-1	1,2-Dichlorobenzene	0.771	U	4.82	0.771
104-51-8	n-Butylbenzene	0.559	U	4.82	0.559
96-12-8	1,2-Dibromo-3-Chloropropane	2.35	U	4.82	2.35
120-82-1	1,2,4-Trichlorobenzene	1.90	U	4.82	1.90
87-68-3	Hexachlorobutadiene	1.09	U	4.82	1.09
91-20-3	Naphthalene	2.29	U	9.64	2.29
87-61-6	1,2,3-Trichlorobenzene	0.598	U	4.82	0.598
75-15-0	Carbon disulfide	0.530	U	9.64	0.530
67-64-1	Acetone	62.0		9.64	1.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-2-3-11132013 | Lab Sample ID: 600-82738-51

Matrix: Solid | Lab File ID: k32515.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:20

Sample wt/vol: 6.08(g) | Date Analyzed: 11/21/2013 16:03

Soil Aliquot Vol: | Dilution Factor: 0.82

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	82		50-130
1868-53-7	Dibromofluoromethane	101		68-140
460-00-4	4-Bromofluorobenzene	78		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-5-6-11132013 | Lab Sample ID: 600-82738-52

Matrix: Solid | Lab File ID: k32516.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:25

Sample wt/vol: 5.88(g) | Date Analyzed: 11/21/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.56	U	5.05	1.56
74-87-3	Chloromethane	1.68	U	10.1	1.68
75-01-4	Vinyl chloride	0.909	U	10.1	0.909
74-83-9	Bromomethane	0.839	U	10.1	0.839
75-00-3	Chloroethane	1.41	U	10.1	1.41
75-69-4	Trichlorofluoromethane	0.667	U	10.1	0.667
75-35-4	1,1-Dichloroethene	1.23	U	5.05	1.23
156-60-5	trans-1,2-Dichloroethene	1.15	U	5.05	1.15
1634-04-4	Methyl tert-butyl ether	1.85	U	5.05	1.85
75-09-2	Methylene Chloride	2.21	U	10.1	2.21
156-59-2	cis-1,2-Dichloroethene	0.839	U	5.05	0.839
78-93-3	2-Butanone (MEK)	1.92	U	10.1	1.92
74-97-5	Bromochloromethane	1.80	U	5.05	1.80
56-23-5	Carbon tetrachloride	1.14	U	5.05	1.14
71-43-2	Benzene	0.636	U	5.05	0.636
107-06-2	1,2-Dichloroethane	0.909	U	5.05	0.909
79-01-6	Trichloroethene	1.41	U	5.05	1.41
71-55-6	1,1,1-Trichloroethane	0.748	U	5.05	0.748
75-34-3	1,1-Dichloroethane	0.879	U	5.05	0.879
78-87-5	1,2-Dichloropropane	0.717	U	5.05	0.717
594-20-7	2,2-Dichloropropane	1.84	U	5.05	1.84
74-95-3	Dibromomethane	0.758	U	5.05	0.758
67-66-3	Chloroform	0.667	U	5.05	0.667
75-27-4	Bromodichloromethane	0.667	U	5.05	0.667
110-75-8	2-Chloroethyl vinyl ether	0.990	U	10.1	0.990
563-58-6	1,1-Dichloropropene	0.657	U	5.05	0.657
10061-01-5	cis-1,3-Dichloropropene	0.546	U	5.05	0.546
108-88-3	Toluene	1.39	U	5.05	1.39
10061-02-6	trans-1,3-Dichloropropene	0.586	U	5.05	0.586
79-00-5	1,1,2-Trichloroethane	0.737	U	40.4	0.737
127-18-4	Tetrachloroethene	0.717	U	5.05	0.717
142-28-9	1,3-Dichloropropane	0.636	U	5.05	0.636
124-48-1	Chlorodibromomethane	0.950	U	5.05	0.950
106-93-4	1,2-Dibromoethane	1.03	U	5.05	1.03
108-90-7	Chlorobenzene	0.970	U	5.05	0.970
630-20-6	1,1,1,2-Tetrachloroethane	1.41	U	5.05	1.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-5-6-11132013 | Lab Sample ID: 600-82738-52

Matrix: Solid | Lab File ID: k32516.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:25

Sample wt/vol: 5.88(g) | Date Analyzed: 11/21/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.03	U	5.05	1.03
179601-23-1	m-Xylene & p-Xylene	1.54	U	10.1	1.54
1330-20-7	Xylenes, Total	1.14	U	5.05	1.14
95-47-6	o-Xylene	1.14	U	5.05	1.14
100-42-5	Styrene	0.717	U	5.05	0.717
75-25-2	Bromoform	1.38	U	5.05	1.38
98-82-8	Isopropylbenzene	0.929	U	5.05	0.929
108-86-1	Bromobenzene	1.00	U	5.05	1.00
96-18-4	1,2,3-Trichloropropane	1.32	U	5.05	1.32
79-34-5	1,1,2,2-Tetrachloroethane	0.879	U	5.05	0.879
103-65-1	N-Propylbenzene	0.960	U	5.05	0.960
95-49-8	2-Chlorotoluene	0.687	U	5.05	0.687
106-43-4	4-Chlorotoluene	0.839	U	5.05	0.839
108-67-8	1,3,5-Trimethylbenzene	1.62	U	5.05	1.62
98-06-6	tert-Butylbenzene	0.960	U	5.05	0.960
99-87-6	4-Isopropyltoluene	1.03	U	5.05	1.03
95-63-6	1,2,4-Trimethylbenzene	0.929	U	5.05	0.929
135-98-8	sec-Butylbenzene	0.707	U	5.05	0.707
541-73-1	1,3-Dichlorobenzene	0.717	U	5.05	0.717
106-46-7	1,4-Dichlorobenzene	0.667	U	5.05	0.667
95-50-1	1,2-Dichlorobenzene	0.808	U	5.05	0.808
104-51-8	n-Butylbenzene	0.586	U	5.05	0.586
96-12-8	1,2-Dibromo-3-Chloropropane	2.47	U	5.05	2.47
120-82-1	1,2,4-Trichlorobenzene	1.99	U	5.05	1.99
87-68-3	Hexachlorobutadiene	1.14	U	5.05	1.14
91-20-3	Naphthalene	2.39	U	10.1	2.39
87-61-6	1,2,3-Trichlorobenzene	0.626	U	5.05	0.626
75-15-0	Carbon disulfide	0.556	U	10.1	0.556
67-64-1	Acetone	15.4		10.1	1.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-5-6-11132013 | Lab Sample ID: 600-82738-52

Matrix: Solid | Lab File ID: k32516.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:25

Sample wt/vol: 5.88(g) | Date Analyzed: 11/21/2013 16:27

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	80		50-130
1868-53-7	Dibromofluoromethane	100		68-140
460-00-4	4-Bromofluorobenzene	84		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-16-17-11132013 | Lab Sample ID: 600-82738-53

Matrix: Solid | Lab File ID: J33017.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:15

Sample wt/vol: 6.57(g) | Date Analyzed: 11/26/2013 17:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1170	U	3810	1170
74-87-3	Chloromethane	1260	U	7610	1260
75-01-4	Vinyl chloride	685	U	7610	685
74-83-9	Bromomethane	1690	J B	7610	632
75-00-3	Chloroethane	1070	U	7610	1070
75-69-4	Trichlorofluoromethane	502	U	7610	502
75-35-4	1,1-Dichloroethene	928	U	3810	928
156-60-5	trans-1,2-Dichloroethene	868	U	3810	868
1634-04-4	Methyl tert-butyl ether	1390	U	3810	1390
75-09-2	Methylene Chloride	1670	U	7610	1670
156-59-2	cis-1,2-Dichloroethene	632	U	3810	632
78-93-3	2-Butanone (MEK)	1450	U	7610	1450
74-97-5	Bromochloromethane	1350	U	3810	1350
56-23-5	Carbon tetrachloride	860	U	3810	860
71-43-2	Benzene	479	U	3810	479
107-06-2	1,2-Dichloroethane	685	U	3810	685
79-01-6	Trichloroethene	1070	U	3810	1070
71-55-6	1,1,1-Trichloroethane	563	U	3810	563
75-34-3	1,1-Dichloroethane	662	U	3810	662
78-87-5	1,2-Dichloropropane	540	U	3810	540
594-20-7	2,2-Dichloropropane	1390	U	3810	1390
74-95-3	Dibromomethane	571	U	3810	571
67-66-3	Chloroform	502	U	3810	502
75-27-4	Bromodichloromethane	502	U	3810	502
110-75-8	2-Chloroethyl vinyl ether	746	U *	7610	746
563-58-6	1,1-Dichloropropene	495	U	3810	495
10061-01-5	cis-1,3-Dichloropropene	411	U	3810	411
108-88-3	Toluene	1050	U	3810	1050
10061-02-6	trans-1,3-Dichloropropene	441	U	3810	441
79-00-5	1,1,2-Trichloroethane	556	U	30400	556
127-18-4	Tetrachloroethene	540	U	3810	540
142-28-9	1,3-Dichloropropane	479	U	3810	479
124-48-1	Chlorodibromomethane	715	U	3810	715
106-93-4	1,2-Dibromoethane	776	U	3810	776
108-90-7	Chlorobenzene	731	U	3810	731
630-20-6	1,1,1,2-Tetrachloroethane	1070	U	3810	1070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-16-17-11132013 | Lab Sample ID: 600-82738-53

Matrix: Solid | Lab File ID: J33017.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:15

Sample wt/vol: 6.57(g) | Date Analyzed: 11/26/2013 17:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	36900		3810	776
100-42-5	Styrene	540	U	3810	540
75-25-2	Bromoform	1040	U	3810	1040
98-82-8	Isopropylbenzene	49000		3810	700
108-86-1	Bromobenzene	753	U	3810	753
96-18-4	1,2,3-Trichloropropane	997	U	3810	997
79-34-5	1,1,2,2-Tetrachloroethane	662	U	3810	662
103-65-1	N-Propylbenzene	131000		3810	723
95-49-8	2-Chlorotoluene	518	U	3810	518
106-43-4	4-Chlorotoluene	632	U	3810	632
108-67-8	1,3,5-Trimethylbenzene	141000		3810	1220
98-06-6	tert-Butylbenzene	723	U	3810	723
99-87-6	4-Isopropyltoluene	4700		3810	776
135-98-8	sec-Butylbenzene	9650		3810	533
541-73-1	1,3-Dichlorobenzene	540	U	3810	540
106-46-7	1,4-Dichlorobenzene	502	U	3810	502
95-50-1	1,2-Dichlorobenzene	609	U	3810	609
104-51-8	n-Butylbenzene	30800		3810	441
96-12-8	1,2-Dibromo-3-Chloropropane	1860	U	3810	1860
120-82-1	1,2,4-Trichlorobenzene	1500	U	3810	1500
87-68-3	Hexachlorobutadiene	860	U	3810	860
91-20-3	Naphthalene	54300	B	7610	1800
87-61-6	1,2,3-Trichlorobenzene	472	U	3810	472
67-64-1	Acetone	1260	U	7610	1260
75-15-0	Carbon disulfide	419	U	7610	419

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	88		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-16-17-11132013 | Lab Sample ID: 600-82738-53

Matrix: Solid | Lab File ID: T33215.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:15

Sample wt/vol: 6.57(g) | Date Analyzed: 11/28/2013 18:01

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 40

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121793 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
179601-23-1	m-Xylene & p-Xylene	151000		15200	2310
1330-20-7	Xylenes, Total	163000		7610	1720
95-47-6	o-Xylene	11500		7610	1720
95-63-6	1,2,4-Trimethylbenzene	513000	E	7610	1400

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	86		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013 | Lab Sample ID: 600-82738-54

Matrix: Solid | Lab File ID: J33005.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:20

Sample wt/vol: 5.92(g) | Date Analyzed: 11/26/2013 12:49

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1300	U	4220	1300
74-87-3	Chloromethane	1400	U	8450	1400
75-01-4	Vinyl chloride	760	U	8450	760
74-83-9	Bromomethane	2120	J B	8450	701
75-00-3	Chloroethane	1180	U	8450	1180
75-69-4	Trichlorofluoromethane	557	U	8450	557
75-35-4	1,1-Dichloroethene	1030	U	4220	1030
156-60-5	trans-1,2-Dichloroethene	963	U	4220	963
1634-04-4	Methyl tert-butyl ether	1550	U	4220	1550
75-09-2	Methylene Chloride	1850	U	8450	1850
156-59-2	cis-1,2-Dichloroethene	701	U	4220	701
78-93-3	2-Butanone (MEK)	1600	U	8450	1600
74-97-5	Bromochloromethane	1500	U	4220	1500
56-23-5	Carbon tetrachloride	954	U	4220	954
71-43-2	Benzene	532	U	4220	532
107-06-2	1,2-Dichloroethane	760	U	4220	760
79-01-6	Trichloroethene	1180	U	4220	1180
71-55-6	1,1,1-Trichloroethane	625	U	4220	625
75-34-3	1,1-Dichloroethane	735	U	4220	735
78-87-5	1,2-Dichloropropane	600	U	4220	600
594-20-7	2,2-Dichloropropane	1540	U	4220	1540
74-95-3	Dibromomethane	633	U	4220	633
67-66-3	Chloroform	557	U	4220	557
75-27-4	Bromodichloromethane	557	U	4220	557
110-75-8	2-Chloroethyl vinyl ether	828	U *	8450	828
563-58-6	1,1-Dichloropropene	549	U	4220	549
10061-01-5	cis-1,3-Dichloropropene	456	U	4220	456
108-88-3	Toluene	1170	U	4220	1170
10061-02-6	trans-1,3-Dichloropropene	490	U	4220	490
79-00-5	1,1,2-Trichloroethane	617	U	33800	617
127-18-4	Tetrachloroethene	600	U	4220	600
142-28-9	1,3-Dichloropropane	532	U	4220	532
124-48-1	Chlorodibromomethane	794	U	4220	794
106-93-4	1,2-Dibromoethane	861	U	4220	861
108-90-7	Chlorobenzene	811	U	4220	811
630-20-6	1,1,1,2-Tetrachloroethane	1180	U	4220	1180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013 | Lab Sample ID: 600-82738-54

Matrix: Solid | Lab File ID: J33005.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:20

Sample wt/vol: 5.92(g) | Date Analyzed: 11/26/2013 12:49

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	20800		4220	861
179601-23-1	m-Xylene & p-Xylene	75100		8450	1280
1330-20-7	Xylenes, Total	81400		4220	954
95-47-6	o-Xylene	6270		4220	954
100-42-5	Styrene	600	U	4220	600
75-25-2	Bromoform	1160	U	4220	1160
98-82-8	Isopropylbenzene	29700		4220	777
108-86-1	Bromobenzene	836	U	4220	836
96-18-4	1,2,3-Trichloropropane	1110	U	4220	1110
79-34-5	1,1,2,2-Tetrachloroethane	735	U	4220	735
103-65-1	N-Propylbenzene	80600		4220	802
95-49-8	2-Chlorotoluene	574	U	4220	574
106-43-4	4-Chlorotoluene	701	U	4220	701
108-67-8	1,3,5-Trimethylbenzene	83400		4220	1350
98-06-6	tert-Butylbenzene	47500		4220	802
99-87-6	4-Isopropyltoluene	3000	J	4220	861
95-63-6	1,2,4-Trimethylbenzene	291000	E	4220	777
135-98-8	sec-Butylbenzene	6210		4220	591
541-73-1	1,3-Dichlorobenzene	600	U	4220	600
106-46-7	1,4-Dichlorobenzene	557	U	4220	557
95-50-1	1,2-Dichlorobenzene	676	U	4220	676
104-51-8	n-Butylbenzene	19100		4220	490
96-12-8	1,2-Dibromo-3-Chloropropane	2060	U	4220	2060
120-82-1	1,2,4-Trichlorobenzene	1660	U	4220	1660
87-68-3	Hexachlorobutadiene	954	U	4220	954
91-20-3	Naphthalene	29000	B	8450	2000
87-61-6	1,2,3-Trichlorobenzene	524	U	4220	524
67-64-1	Acetone	1400	U	8450	1400
75-15-0	Carbon disulfide	465	U	8450	465

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013 | Lab Sample ID: 600-82738-54

Matrix: Solid | Lab File ID: J33005.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:20

Sample wt/vol: 5.92(g) | Date Analyzed: 11/26/2013 12:49

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-20-21-11132013 | Lab Sample ID: 600-82738-55

Matrix: Solid | Lab File ID: J33019.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:25

Sample wt/vol: 7.10(g) | Date Analyzed: 11/26/2013 18:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	542	U	1760	542
74-87-3	Chloromethane	585	U	3520	585
75-01-4	Vinyl chloride	317	U	3520	317
74-83-9	Bromomethane	873	J B	3520	292
75-00-3	Chloroethane	493	U	3520	493
75-69-4	Trichlorofluoromethane	232	U	3520	232
75-35-4	1,1-Dichloroethene	430	U	1760	430
156-60-5	trans-1,2-Dichloroethene	401	U	1760	401
1634-04-4	Methyl tert-butyl ether	644	U	1760	644
75-09-2	Methylene Chloride	771	U	3520	771
156-59-2	cis-1,2-Dichloroethene	292	U	1760	292
78-93-3	2-Butanone (MEK)	669	U	3520	669
74-97-5	Bromochloromethane	627	U	1760	627
56-23-5	Carbon tetrachloride	398	U	1760	398
71-43-2	Benzene	222	U	1760	222
107-06-2	1,2-Dichloroethane	317	U	1760	317
79-01-6	Trichloroethene	493	U	1760	493
71-55-6	1,1,1-Trichloroethane	261	U	1760	261
75-34-3	1,1-Dichloroethane	306	U	1760	306
78-87-5	1,2-Dichloropropane	250	U	1760	250
594-20-7	2,2-Dichloropropane	641	U	1760	641
74-95-3	Dibromomethane	264	U	1760	264
67-66-3	Chloroform	232	U	1760	232
75-27-4	Bromodichloromethane	232	U	1760	232
110-75-8	2-Chloroethyl vinyl ether	345	U *	3520	345
563-58-6	1,1-Dichloropropene	229	U	1760	229
10061-01-5	cis-1,3-Dichloropropene	190	U	1760	190
108-88-3	Toluene	486	U	1760	486
10061-02-6	trans-1,3-Dichloropropene	204	U	1760	204
79-00-5	1,1,2-Trichloroethane	257	U	14100	257
127-18-4	Tetrachloroethene	250	U	1760	250
142-28-9	1,3-Dichloropropane	222	U	1760	222
124-48-1	Chlorodibromomethane	331	U	1760	331
106-93-4	1,2-Dibromoethane	359	U	1760	359
108-90-7	Chlorobenzene	338	U	1760	338
630-20-6	1,1,1,2-Tetrachloroethane	493	U	1760	493

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-20-21-11132013 | Lab Sample ID: 600-82738-55

Matrix: Solid | Lab File ID: J33019.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:25

Sample wt/vol: 7.10(g) | Date Analyzed: 11/26/2013 18:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	14100		1760	359
179601-23-1	m-Xylene & p-Xylene	19500		3520	535
1330-20-7	Xylenes, Total	20400		1760	398
95-47-6	o-Xylene	852	J	1760	398
100-42-5	Styrene	250	U	1760	250
75-25-2	Bromoform	482	U	1760	482
98-82-8	Isopropylbenzene	20300		1760	324
108-86-1	Bromobenzene	349	U	1760	349
96-18-4	1,2,3-Trichloropropane	461	U	1760	461
79-34-5	1,1,2,2-Tetrachloroethane	306	U	1760	306
103-65-1	N-Propylbenzene	55500		1760	335
95-49-8	2-Chlorotoluene	239	U	1760	239
106-43-4	4-Chlorotoluene	292	U	1760	292
108-67-8	1,3,5-Trimethylbenzene	29800		1760	563
98-06-6	tert-Butylbenzene	335	U	1760	335
99-87-6	4-Isopropyltoluene	1900		1760	359
95-63-6	1,2,4-Trimethylbenzene	184000	E	1760	324
135-98-8	sec-Butylbenzene	3970		1760	246
541-73-1	1,3-Dichlorobenzene	250	U	1760	250
106-46-7	1,4-Dichlorobenzene	232	U	1760	232
95-50-1	1,2-Dichlorobenzene	282	U	1760	282
104-51-8	n-Butylbenzene	11800		1760	204
96-12-8	1,2-Dibromo-3-Chloropropane	859	U	1760	859
120-82-1	1,2,4-Trichlorobenzene	694	U	1760	694
87-68-3	Hexachlorobutadiene	398	U	1760	398
91-20-3	Naphthalene	20900	B	3520	835
87-61-6	1,2,3-Trichlorobenzene	218	U	1760	218
67-64-1	Acetone	585	U	3520	585
75-15-0	Carbon disulfide	194	U	3520	194

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-20-21-11132013 | Lab Sample ID: 600-82738-55

Matrix: Solid | Lab File ID: J33019.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:25

Sample wt/vol: 7.10(g) | Date Analyzed: 11/26/2013 18:26

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	88		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-2-3-11132013 | Lab Sample ID: 600-82738-56

Matrix: Solid | Lab File ID: k32514.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:30

Sample wt/vol: 4.89(g) | Date Analyzed: 11/21/2013 15:39

Soil Aliquot Vol: | Dilution Factor: 1.02

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.71	U	5.55	1.71
74-87-3	Chloromethane	1.84	U	11.1	1.84
75-01-4	Vinyl chloride	0.999	U	11.1	0.999
74-83-9	Bromomethane	0.922	U	11.1	0.922
75-00-3	Chloroethane	1.55	U	11.1	1.55
75-69-4	Trichlorofluoromethane	0.733	U	11.1	0.733
75-35-4	1,1-Dichloroethene	1.35	U	5.55	1.35
156-60-5	trans-1,2-Dichloroethene	1.27	U	5.55	1.27
1634-04-4	Methyl tert-butyl ether	2.03	U	5.55	2.03
75-09-2	Methylene Chloride	2.43	U	11.1	2.43
156-59-2	cis-1,2-Dichloroethene	0.922	U	5.55	0.922
78-93-3	2-Butanone (MEK)	21.1		11.1	2.11
74-97-5	Bromochloromethane	1.98	U	5.55	1.98
56-23-5	Carbon tetrachloride	1.25	U	5.55	1.25
71-43-2	Benzene	1.77	J	5.55	0.699
107-06-2	1,2-Dichloroethane	0.999	U	5.55	0.999
79-01-6	Trichloroethene	1.55	U	5.55	1.55
71-55-6	1,1,1-Trichloroethane	0.822	U	5.55	0.822
75-34-3	1,1-Dichloroethane	0.966	U	5.55	0.966
78-87-5	1,2-Dichloropropane	0.788	U	5.55	0.788
594-20-7	2,2-Dichloropropane	2.02	U	5.55	2.02
74-95-3	Dibromomethane	0.833	U	5.55	0.833
67-66-3	Chloroform	0.733	U	5.55	0.733
75-27-4	Bromodichloromethane	0.733	U	5.55	0.733
110-75-8	2-Chloroethyl vinyl ether	1.09	U	11.1	1.09
563-58-6	1,1-Dichloropropene	0.722	U	5.55	0.722
10061-01-5	cis-1,3-Dichloropropene	0.600	U	5.55	0.600
108-88-3	Toluene	1.81	J	5.55	1.53
10061-02-6	trans-1,3-Dichloropropene	0.644	U	5.55	0.644
79-00-5	1,1,2-Trichloroethane	0.811	U	44.4	0.811
127-18-4	Tetrachloroethene	0.788	U	5.55	0.788
142-28-9	1,3-Dichloropropane	0.699	U	5.55	0.699
124-48-1	Chlorodibromomethane	1.04	U	5.55	1.04
106-93-4	1,2-Dibromoethane	1.13	U	5.55	1.13
108-90-7	Chlorobenzene	1.07	U	5.55	1.07
630-20-6	1,1,1,2-Tetrachloroethane	1.55	U	5.55	1.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-2-3-11132013 | Lab Sample ID: 600-82738-56

Matrix: Solid | Lab File ID: k32514.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:30

Sample wt/vol: 4.89(g) | Date Analyzed: 11/21/2013 15:39

Soil Aliquot Vol: | Dilution Factor: 1.02

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.13	U	5.55	1.13
179601-23-1	m-Xylene & p-Xylene	1.69	U	11.1	1.69
1330-20-7	Xylenes, Total	1.25	U	5.55	1.25
95-47-6	o-Xylene	1.25	U	5.55	1.25
100-42-5	Styrene	0.788	U	5.55	0.788
75-25-2	Bromoform	1.52	U	5.55	1.52
98-82-8	Isopropylbenzene	1.02	U	5.55	1.02
108-86-1	Bromobenzene	1.10	U	5.55	1.10
96-18-4	1,2,3-Trichloropropane	1.45	U	5.55	1.45
79-34-5	1,1,2,2-Tetrachloroethane	0.966	U	5.55	0.966
103-65-1	N-Propylbenzene	1.05	U	5.55	1.05
95-49-8	2-Chlorotoluene	0.755	U	5.55	0.755
106-43-4	4-Chlorotoluene	0.922	U	5.55	0.922
108-67-8	1,3,5-Trimethylbenzene	1.78	U	5.55	1.78
98-06-6	tert-Butylbenzene	1.05	U	5.55	1.05
99-87-6	4-Isopropyltoluene	1.13	U	5.55	1.13
95-63-6	1,2,4-Trimethylbenzene	1.02	U	5.55	1.02
135-98-8	sec-Butylbenzene	0.777	U	5.55	0.777
541-73-1	1,3-Dichlorobenzene	0.788	U	5.55	0.788
106-46-7	1,4-Dichlorobenzene	0.733	U	5.55	0.733
95-50-1	1,2-Dichlorobenzene	0.888	U	5.55	0.888
104-51-8	n-Butylbenzene	0.644	U	5.55	0.644
96-12-8	1,2-Dibromo-3-Chloropropane	2.71	U	5.55	2.71
120-82-1	1,2,4-Trichlorobenzene	2.19	U	5.55	2.19
87-68-3	Hexachlorobutadiene	1.25	U	5.55	1.25
91-20-3	Naphthalene	2.73	J B	11.1	2.63
87-61-6	1,2,3-Trichlorobenzene	0.688	U	5.55	0.688
75-15-0	Carbon disulfide	0.611	U	11.1	0.611
67-64-1	Acetone	128		11.1	1.84

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-2-3-11132013 | Lab Sample ID: 600-82738-56

Matrix: Solid | Lab File ID: k32514.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:30

Sample wt/vol: 4.89(g) | Date Analyzed: 11/21/2013 15:39

Soil Aliquot Vol: | Dilution Factor: 1.02

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	83		50-130
1868-53-7	Dibromofluoromethane	96		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-5-6-11132013 | Lab Sample ID: 600-82738-57

Matrix: Solid | Lab File ID: E33012.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:35

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 19:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.630	U	5.00	0.630
74-97-5	Chlorobromomethane	1.78	U	5.00	1.78
75-25-2	Bromoform	1.37	U	5.00	1.37
74-83-9	Bromomethane	0.830	U	10.0	0.830
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
124-48-1	Dibromochloromethane	0.940	U	5.00	0.940
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
75-00-3	Chloroethane	1.40	U	10.0	1.40
67-66-3	Chloroform	0.660	U	5.00	0.660
74-87-3	Chloromethane	1.66	U	10.0	1.66
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
75-09-2	Methylene Chloride	2.19	U	10.0	2.19
100-42-5	Styrene	0.710	U	5.00	0.710
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
108-88-3	Toluene	1.38	U	5.00	1.38
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
79-01-6	Trichloroethene	1.40	U	5.00	1.40
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
95-47-6	o-Xylene	1.13	U	5.00	1.13
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-5-6-11132013 | Lab Sample ID: 600-82738-57

Matrix: Solid | Lab File ID: E33012.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:35

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 19:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
91-20-3	Naphthalene	2.37	U	10.0	2.37
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U *	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-5-6-11132013 | Lab Sample ID: 600-82738-57

Matrix: Solid | Lab File ID: E33012.D

Analysis Method: 8260B | Date Collected: 11/13/2013 11:35

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 19:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-130
1868-53-7	Dibromofluoromethane	97		68-140
460-00-4	4-Bromofluorobenzene	107		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-15-16-11132013 | Lab Sample ID: 600-82738-58

Matrix: Solid | Lab File ID: k32511.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:15

Sample wt/vol: 4.25(g) | Date Analyzed: 11/21/2013 14:28

Soil Aliquot Vol: | Dilution Factor: 1.18

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.7 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.35	U	7.63	2.35
74-87-3	Chloromethane	2.53	U	15.3	2.53
75-01-4	Vinyl chloride	1.37	U	15.3	1.37
74-83-9	Bromomethane	1.27	U	15.3	1.27
75-00-3	Chloroethane	2.14	U	15.3	2.14
75-69-4	Trichlorofluoromethane	1.01	U	15.3	1.01
75-35-4	1,1-Dichloroethene	1.86	U	7.63	1.86
156-60-5	trans-1,2-Dichloroethene	1.74	U	7.63	1.74
1634-04-4	Methyl tert-butyl ether	2.79	U	7.63	2.79
75-09-2	Methylene Chloride	3.34	U	15.3	3.34
156-59-2	cis-1,2-Dichloroethene	1.27	U	7.63	1.27
78-93-3	2-Butanone (MEK)	2.90	U	15.3	2.90
74-97-5	Bromochloromethane	2.72	U	7.63	2.72
56-23-5	Carbon tetrachloride	1.72	U	7.63	1.72
71-43-2	Benzene	0.961	U	7.63	0.961
107-06-2	1,2-Dichloroethane	1.37	U	7.63	1.37
79-01-6	Trichloroethene	2.14	U	7.63	2.14
71-55-6	1,1,1-Trichloroethane	1.13	U	7.63	1.13
75-34-3	1,1-Dichloroethane	1.33	U	7.63	1.33
78-87-5	1,2-Dichloropropane	1.08	U	7.63	1.08
594-20-7	2,2-Dichloropropane	2.78	U	7.63	2.78
74-95-3	Dibromomethane	1.14	U	7.63	1.14
67-66-3	Chloroform	1.01	U	7.63	1.01
75-27-4	Bromodichloromethane	1.01	U	7.63	1.01
110-75-8	2-Chloroethyl vinyl ether	1.50	U	15.3	1.50
563-58-6	1,1-Dichloropropene	0.992	U	7.63	0.992
10061-01-5	cis-1,3-Dichloropropene	0.824	U	7.63	0.824
108-88-3	Toluene	2.11	U	7.63	2.11
10061-02-6	trans-1,3-Dichloropropene	0.885	U	7.63	0.885
79-00-5	1,1,2-Trichloroethane	1.11	U	61.0	1.11
127-18-4	Tetrachloroethene	1.08	U	7.63	1.08
142-28-9	1,3-Dichloropropane	0.961	U	7.63	0.961
124-48-1	Chlorodibromomethane	1.43	U	7.63	1.43
106-93-4	1,2-Dibromoethane	1.56	U	7.63	1.56
108-90-7	Chlorobenzene	1.46	U	7.63	1.46
630-20-6	1,1,1,2-Tetrachloroethane	2.14	U	7.63	2.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-15-16-11132013 | Lab Sample ID: 600-82738-58

Matrix: Solid | Lab File ID: k32511.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:15

Sample wt/vol: 4.25(g) | Date Analyzed: 11/21/2013 14:28

Soil Aliquot Vol: | Dilution Factor: 1.18

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.7 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.56	U	7.63	1.56
179601-23-1	m-Xylene & p-Xylene	2.32	U	15.3	2.32
1330-20-7	Xylenes, Total	1.72	U	7.63	1.72
95-47-6	o-Xylene	1.72	U	7.63	1.72
100-42-5	Styrene	1.08	U	7.63	1.08
75-25-2	Bromoform	2.09	U	7.63	2.09
98-82-8	Isopropylbenzene	1.40	U	7.63	1.40
108-86-1	Bromobenzene	1.51	U	7.63	1.51
96-18-4	1,2,3-Trichloropropane	2.00	U	7.63	2.00
79-34-5	1,1,2,2-Tetrachloroethane	1.33	U	7.63	1.33
103-65-1	N-Propylbenzene	1.45	U	7.63	1.45
95-49-8	2-Chlorotoluene	1.04	U	7.63	1.04
106-43-4	4-Chlorotoluene	1.27	U	7.63	1.27
108-67-8	1,3,5-Trimethylbenzene	2.44	U	7.63	2.44
98-06-6	tert-Butylbenzene	1.45	U	7.63	1.45
99-87-6	4-Isopropyltoluene	1.56	U	7.63	1.56
95-63-6	1,2,4-Trimethylbenzene	1.40	U	7.63	1.40
135-98-8	sec-Butylbenzene	1.07	U	7.63	1.07
541-73-1	1,3-Dichlorobenzene	1.08	U	7.63	1.08
106-46-7	1,4-Dichlorobenzene	1.01	U	7.63	1.01
95-50-1	1,2-Dichlorobenzene	1.22	U	7.63	1.22
104-51-8	n-Butylbenzene	0.885	U	7.63	0.885
96-12-8	1,2-Dibromo-3-Chloropropane	3.72	U	7.63	3.72
120-82-1	1,2,4-Trichlorobenzene	3.01	U	7.63	3.01
87-68-3	Hexachlorobutadiene	1.72	U	7.63	1.72
91-20-3	Naphthalene	3.82	J B	15.3	3.62
87-61-6	1,2,3-Trichlorobenzene	0.946	U	7.63	0.946
75-15-0	Carbon disulfide	0.839	U	15.3	0.839
67-64-1	Acetone	12.1	J	15.3	2.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-15-16-11132013 | Lab Sample ID: 600-82738-58

Matrix: Solid | Lab File ID: k32511.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:15

Sample wt/vol: 4.25(g) | Date Analyzed: 11/21/2013 14:28

Soil Aliquot Vol: | Dilution Factor: 1.18

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.7 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	96		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-20-21-11132013 | Lab Sample ID: 600-82738-59

Matrix: Solid | Lab File ID: k32510.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:20

Sample wt/vol: 6.06(g) | Date Analyzed: 11/21/2013 14:03

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.56	U	5.08	1.56
74-87-3	Chloromethane	1.69	U	10.2	1.69
75-01-4	Vinyl chloride	0.914	U	10.2	0.914
74-83-9	Bromomethane	0.843	U	10.2	0.843
75-00-3	Chloroethane	1.42	U	10.2	1.42
75-69-4	Trichlorofluoromethane	0.670	U	10.2	0.670
75-35-4	1,1-Dichloroethene	1.24	U	5.08	1.24
156-60-5	trans-1,2-Dichloroethene	1.16	U	5.08	1.16
1634-04-4	Methyl tert-butyl ether	1.86	U	5.08	1.86
75-09-2	Methylene Chloride	2.22	U	10.2	2.22
156-59-2	cis-1,2-Dichloroethene	0.843	U	5.08	0.843
78-93-3	2-Butanone (MEK)	1.93	U	10.2	1.93
74-97-5	Bromochloromethane	1.81	U	5.08	1.81
56-23-5	Carbon tetrachloride	1.15	U	5.08	1.15
71-43-2	Benzene	2.18	J	5.08	0.640
107-06-2	1,2-Dichloroethane	0.914	U	5.08	0.914
79-01-6	Trichloroethene	1.42	U	5.08	1.42
71-55-6	1,1,1-Trichloroethane	0.752	U	5.08	0.752
75-34-3	1,1-Dichloroethane	0.884	U	5.08	0.884
78-87-5	1,2-Dichloropropane	2.15	J	5.08	0.721
594-20-7	2,2-Dichloropropane	1.85	U	5.08	1.85
74-95-3	Dibromomethane	0.762	U	5.08	0.762
67-66-3	Chloroform	0.670	U	5.08	0.670
75-27-4	Bromodichloromethane	0.670	U	5.08	0.670
110-75-8	2-Chloroethyl vinyl ether	0.995	U	10.2	0.995
563-58-6	1,1-Dichloropropene	0.660	U	5.08	0.660
10061-01-5	cis-1,3-Dichloropropene	0.549	U	5.08	0.549
108-88-3	Toluene	2.45	J	5.08	1.40
10061-02-6	trans-1,3-Dichloropropene	0.589	U	5.08	0.589
79-00-5	1,1,2-Trichloroethane	0.742	U	40.6	0.742
127-18-4	Tetrachloroethene	0.721	U	5.08	0.721
142-28-9	1,3-Dichloropropane	0.640	U	5.08	0.640
124-48-1	Chlorodibromomethane	0.955	U	5.08	0.955
106-93-4	1,2-Dibromoethane	1.04	U	5.08	1.04
108-90-7	Chlorobenzene	0.975	U	5.08	0.975
630-20-6	1,1,1,2-Tetrachloroethane	1.42	U	5.08	1.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-20-21-11132013 | Lab Sample ID: 600-82738-59

Matrix: Solid | Lab File ID: k32510.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:20

Sample wt/vol: 6.06(g) | Date Analyzed: 11/21/2013 14:03

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.04	U	5.08	1.04
179601-23-1	m-Xylene & p-Xylene	1.54	U	10.2	1.54
1330-20-7	Xylenes, Total	1.15	U	5.08	1.15
95-47-6	o-Xylene	1.15	U	5.08	1.15
100-42-5	Styrene	0.721	U	5.08	0.721
75-25-2	Bromoform	1.39	U	5.08	1.39
98-82-8	Isopropylbenzene	0.935	U	5.08	0.935
108-86-1	Bromobenzene	1.01	U	5.08	1.01
96-18-4	1,2,3-Trichloropropane	1.33	U	5.08	1.33
79-34-5	1,1,2,2-Tetrachloroethane	0.884	U	5.08	0.884
103-65-1	N-Propylbenzene	0.965	U	5.08	0.965
95-49-8	2-Chlorotoluene	0.691	U	5.08	0.691
106-43-4	4-Chlorotoluene	0.843	U	5.08	0.843
108-67-8	1,3,5-Trimethylbenzene	1.63	U	5.08	1.63
98-06-6	tert-Butylbenzene	0.965	U	5.08	0.965
99-87-6	4-Isopropyltoluene	1.04	U	5.08	1.04
95-63-6	1,2,4-Trimethylbenzene	0.935	U	5.08	0.935
135-98-8	sec-Butylbenzene	0.711	U	5.08	0.711
541-73-1	1,3-Dichlorobenzene	0.721	U	5.08	0.721
106-46-7	1,4-Dichlorobenzene	0.670	U	5.08	0.670
95-50-1	1,2-Dichlorobenzene	0.813	U	5.08	0.813
104-51-8	n-Butylbenzene	0.589	U	5.08	0.589
96-12-8	1,2-Dibromo-3-Chloropropane	2.48	U	5.08	2.48
120-82-1	1,2,4-Trichlorobenzene	2.00	U	5.08	2.00
87-68-3	Hexachlorobutadiene	1.15	U	5.08	1.15
91-20-3	Naphthalene	2.88	J B	10.2	2.41
87-61-6	1,2,3-Trichlorobenzene	0.630	U	5.08	0.630
75-15-0	Carbon disulfide	0.559	U	10.2	0.559
67-64-1	Acetone	39.3		10.2	1.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-20-21-11132013 | Lab Sample ID: 600-82738-59

Matrix: Solid | Lab File ID: k32510.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:20

Sample wt/vol: 6.06(g) | Date Analyzed: 11/21/2013 14:03

Soil Aliquot Vol: | Dilution Factor: 0.83

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.3 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-29-30-11132013 | Lab Sample ID: 600-82738-60

Matrix: Solid | Lab File ID: k32506.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:25

Sample wt/vol: 6.78(g) | Date Analyzed: 11/21/2013 12:29

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.6 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.49	U	4.84	1.49
74-87-3	Chloromethane	1.61	U	9.69	1.61
75-01-4	Vinyl chloride	0.872	U	9.69	0.872
74-83-9	Bromomethane	0.804	U	9.69	0.804
75-00-3	Chloroethane	1.36	U	9.69	1.36
75-69-4	Trichlorofluoromethane	0.640	U	9.69	0.640
75-35-4	1,1-Dichloroethene	1.18	U	4.84	1.18
156-60-5	trans-1,2-Dichloroethene	1.10	U	4.84	1.10
1634-04-4	Methyl tert-butyl ether	1.77	U	4.84	1.77
75-09-2	Methylene Chloride	2.12	U	9.69	2.12
156-59-2	cis-1,2-Dichloroethene	0.804	U	4.84	0.804
78-93-3	2-Butanone (MEK)	1.84	U	9.69	1.84
74-97-5	Bromochloromethane	1.72	U	4.84	1.72
56-23-5	Carbon tetrachloride	1.09	U	4.84	1.09
71-43-2	Benzene	2.14	J	4.84	0.610
107-06-2	1,2-Dichloroethane	0.872	U	4.84	0.872
79-01-6	Trichloroethene	1.36	U	4.84	1.36
71-55-6	1,1,1-Trichloroethane	0.717	U	4.84	0.717
75-34-3	1,1-Dichloroethane	0.843	U	4.84	0.843
78-87-5	1,2-Dichloropropane	0.688	U	4.84	0.688
594-20-7	2,2-Dichloropropane	1.76	U	4.84	1.76
74-95-3	Dibromomethane	0.727	U	4.84	0.727
67-66-3	Chloroform	0.640	U	4.84	0.640
75-27-4	Bromodichloromethane	0.640	U	4.84	0.640
110-75-8	2-Chloroethyl vinyl ether	0.950	U	9.69	0.950
563-58-6	1,1-Dichloropropene	0.630	U	4.84	0.630
10061-01-5	cis-1,3-Dichloropropene	0.523	U	4.84	0.523
108-88-3	Toluene	2.48	J	4.84	1.34
10061-02-6	trans-1,3-Dichloropropene	0.562	U	4.84	0.562
79-00-5	1,1,2-Trichloroethane	0.707	U	38.8	0.707
127-18-4	Tetrachloroethene	0.688	U	4.84	0.688
142-28-9	1,3-Dichloropropane	0.610	U	4.84	0.610
124-48-1	Chlorodibromomethane	0.911	U	4.84	0.911
106-93-4	1,2-Dibromoethane	0.988	U	4.84	0.988
108-90-7	Chlorobenzene	0.930	U	4.84	0.930
630-20-6	1,1,1,2-Tetrachloroethane	1.36	U	4.84	1.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-29-30-11132013 | Lab Sample ID: 600-82738-60

Matrix: Solid | Lab File ID: k32506.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:25

Sample wt/vol: 6.78(g) | Date Analyzed: 11/21/2013 12:29

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.6 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.988	U	4.84	0.988
179601-23-1	m-Xylene & p-Xylene	1.47	U	9.69	1.47
1330-20-7	Xylenes, Total	1.09	U	4.84	1.09
95-47-6	o-Xylene	1.09	U	4.84	1.09
100-42-5	Styrene	0.688	U	4.84	0.688
75-25-2	Bromoform	1.33	U	4.84	1.33
98-82-8	Isopropylbenzene	0.891	U	4.84	0.891
108-86-1	Bromobenzene	0.959	U	4.84	0.959
96-18-4	1,2,3-Trichloropropane	1.27	U	4.84	1.27
79-34-5	1,1,2,2-Tetrachloroethane	0.843	U	4.84	0.843
103-65-1	N-Propylbenzene	0.920	U	4.84	0.920
95-49-8	2-Chlorotoluene	0.659	U	4.84	0.659
106-43-4	4-Chlorotoluene	0.804	U	4.84	0.804
108-67-8	1,3,5-Trimethylbenzene	1.55	U	4.84	1.55
98-06-6	tert-Butylbenzene	0.920	U	4.84	0.920
99-87-6	4-Isopropyltoluene	0.988	U	4.84	0.988
95-63-6	1,2,4-Trimethylbenzene	0.891	U	4.84	0.891
135-98-8	sec-Butylbenzene	0.678	U	4.84	0.678
541-73-1	1,3-Dichlorobenzene	0.688	U	4.84	0.688
106-46-7	1,4-Dichlorobenzene	0.640	U	4.84	0.640
95-50-1	1,2-Dichlorobenzene	0.775	U	4.84	0.775
104-51-8	n-Butylbenzene	0.562	U	4.84	0.562
96-12-8	1,2-Dibromo-3-Chloropropane	2.36	U	4.84	2.36
120-82-1	1,2,4-Trichlorobenzene	1.91	U	4.84	1.91
87-68-3	Hexachlorobutadiene	1.09	U	4.84	1.09
91-20-3	Naphthalene	7.49	J B	9.69	2.30
87-61-6	1,2,3-Trichlorobenzene	0.601	U	4.84	0.601
75-15-0	Carbon disulfide	0.533	U	9.69	0.533
67-64-1	Acetone	10.6		9.69	1.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB10-29-30-11132013 | Lab Sample ID: 600-82738-60

Matrix: Solid | Lab File ID: k32506.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:25

Sample wt/vol: 6.78(g) | Date Analyzed: 11/21/2013 12:29

Soil Aliquot Vol: | Dilution Factor: 0.74

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.6 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-130
1868-53-7	Dibromofluoromethane	91		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD10-29-30-11132013 | Lab Sample ID: 600-82738-61

Matrix: Solid | Lab File ID: k32505.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:30

Sample wt/vol: 6.52(g) | Date Analyzed: 11/21/2013 12:04

Soil Aliquot Vol: | Dilution Factor: 0.77

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.56	U	5.05	1.56
74-87-3	Chloromethane	1.68	U	10.1	1.68
75-01-4	Vinyl chloride	0.909	U	10.1	0.909
74-83-9	Bromomethane	0.838	U	10.1	0.838
75-00-3	Chloroethane	1.41	U	10.1	1.41
75-69-4	Trichlorofluoromethane	0.667	U	10.1	0.667
75-35-4	1,1-Dichloroethene	1.23	U	5.05	1.23
156-60-5	trans-1,2-Dichloroethene	1.15	U	5.05	1.15
1634-04-4	Methyl tert-butyl ether	1.85	U	5.05	1.85
75-09-2	Methylene Chloride	2.21	U	10.1	2.21
156-59-2	cis-1,2-Dichloroethene	0.838	U	5.05	0.838
78-93-3	2-Butanone (MEK)	1.92	U	10.1	1.92
74-97-5	Bromochloromethane	1.80	U	5.05	1.80
56-23-5	Carbon tetrachloride	1.14	U	5.05	1.14
71-43-2	Benzene	3.30	J	5.05	0.636
107-06-2	1,2-Dichloroethane	0.909	U	5.05	0.909
79-01-6	Trichloroethene	1.41	U	5.05	1.41
71-55-6	1,1,1-Trichloroethane	0.747	U	5.05	0.747
75-34-3	1,1-Dichloroethane	0.879	U	5.05	0.879
78-87-5	1,2-Dichloropropane	0.717	U	5.05	0.717
594-20-7	2,2-Dichloropropane	1.84	U	5.05	1.84
74-95-3	Dibromomethane	0.758	U	5.05	0.758
67-66-3	Chloroform	0.667	U	5.05	0.667
75-27-4	Bromodichloromethane	0.667	U	5.05	0.667
110-75-8	2-Chloroethyl vinyl ether	0.990	U	10.1	0.990
563-58-6	1,1-Dichloropropene	0.657	U	5.05	0.657
10061-01-5	cis-1,3-Dichloropropene	0.545	U	5.05	0.545
108-88-3	Toluene	3.86	J	5.05	1.39
10061-02-6	trans-1,3-Dichloropropene	0.586	U	5.05	0.586
79-00-5	1,1,2-Trichloroethane	0.737	U	40.4	0.737
127-18-4	Tetrachloroethene	0.846	J	5.05	0.717
142-28-9	1,3-Dichloropropane	0.636	U	5.05	0.636
124-48-1	Chlorodibromomethane	0.949	U	5.05	0.949
106-93-4	1,2-Dibromoethane	1.03	U	5.05	1.03
108-90-7	Chlorobenzene	0.970	U	5.05	0.970
630-20-6	1,1,1,2-Tetrachloroethane	1.41	U	5.05	1.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD10-29-30-11132013 | Lab Sample ID: 600-82738-61

Matrix: Solid | Lab File ID: k32505.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:30

Sample wt/vol: 6.52(g) | Date Analyzed: 11/21/2013 12:04

Soil Aliquot Vol: | Dilution Factor: 0.77

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.03	U	5.05	1.03
179601-23-1	m-Xylene & p-Xylene	2.50	J	10.1	1.54
1330-20-7	Xylenes, Total	2.50	J	5.05	1.14
95-47-6	o-Xylene	1.14	U	5.05	1.14
100-42-5	Styrene	0.717	U	5.05	0.717
75-25-2	Bromoform	1.38	U	5.05	1.38
98-82-8	Isopropylbenzene	0.929	U	5.05	0.929
108-86-1	Bromobenzene	1.00	U	5.05	1.00
96-18-4	1,2,3-Trichloropropane	1.32	U	5.05	1.32
79-34-5	1,1,2,2-Tetrachloroethane	0.879	U	5.05	0.879
103-65-1	N-Propylbenzene	0.960	U	5.05	0.960
95-49-8	2-Chlorotoluene	0.687	U	5.05	0.687
106-43-4	4-Chlorotoluene	0.838	U	5.05	0.838
108-67-8	1,3,5-Trimethylbenzene	1.62	U	5.05	1.62
98-06-6	tert-Butylbenzene	0.960	U	5.05	0.960
99-87-6	4-Isopropyltoluene	1.03	U	5.05	1.03
95-63-6	1,2,4-Trimethylbenzene	1.40	J	5.05	0.929
135-98-8	sec-Butylbenzene	0.707	U	5.05	0.707
541-73-1	1,3-Dichlorobenzene	0.717	U	5.05	0.717
106-46-7	1,4-Dichlorobenzene	0.667	U	5.05	0.667
95-50-1	1,2-Dichlorobenzene	0.808	U	5.05	0.808
104-51-8	n-Butylbenzene	0.586	U	5.05	0.586
96-12-8	1,2-Dibromo-3-Chloropropane	2.46	U	5.05	2.46
120-82-1	1,2,4-Trichlorobenzene	1.99	U	5.05	1.99
87-68-3	Hexachlorobutadiene	1.14	U	5.05	1.14
91-20-3	Naphthalene	6.02	J B	10.1	2.39
87-61-6	1,2,3-Trichlorobenzene	0.626	U	5.05	0.626
75-15-0	Carbon disulfide	0.556	U	10.1	0.556
67-64-1	Acetone	48.6		10.1	1.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: FD10-29-30-11132013 | Lab Sample ID: 600-82738-61

Matrix: Solid | Lab File ID: k32505.D

Analysis Method: 8260B | Date Collected: 11/13/2013 12:30

Sample wt/vol: 6.52(g) | Date Analyzed: 11/21/2013 12:04

Soil Aliquot Vol: | Dilution Factor: 0.77

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 23.8 | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	75		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		61-130

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120748/2	E22102.D
Level 2	IC 600-120748/3	E22103.D
Level 3	IC 600-120748/4	E22104.D
Level 4	ICIS 600-120748/5	E22105.D
Level 5	IC 600-120748/6	E22106.D
Level 6	IC 600-120748/7	E22107.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Dichlorodifluoromethane	0.3943	0.4715	0.4269	0.4828	0.5030	Ave		0.4618				9.2		15.0			
	0.4921																
Chloromethane	0.7652	0.8254	0.7839	0.8310	0.7886	Ave		0.7934			0.1000	3.6		15.0			
	0.7660																
Vinyl chloride	0.6958	0.8057	0.7315	0.8238	0.8021	Ave		0.7826				7.2		30.0			
	0.8365																
Bromomethane	0.4804	0.4300	0.3734	0.4235	0.4378	Ave		0.4282				8.0		15.0			
	0.4238																
Chloroethane	0.4719	0.4333	0.4152	0.4546	0.4411	Ave		0.4357				6.1		15.0			
	0.3980																
Acrolein	0.0326	0.0370	0.0333	0.0365	0.0396	Ave		0.0362				7.5		15.0			
	0.0382																
Acetonitrile	0.0592	0.0262	0.0291	0.0356	0.0330	Lin	-0.076	0.0316						15.0	0.9978		0.9900
	0.0316																
Isopropyl alcohol	0.0342	0.0240	0.0247	0.0333	0.0346	Lin1	0.3469	0.0348						15.0	0.9946		0.9900
	0.0347																
Trichlorofluoromethane	1.1462	1.1371	1.1119	1.2733	1.2554	Ave		1.1882				5.6		15.0			
	1.2051																
Acetone	0.5373	0.2668	0.2302	0.2266	0.2227	Lin1	-0.239	0.2039						15.0	0.9914		0.9900
	0.2087																
1,1-Dichloroethene	0.4865	0.4993	0.4030	0.4964	0.4942	Ave		0.4759				7.7		30.0			
	0.4759																
Acrylonitrile	0.1040	0.0952	0.1016	0.1431	0.1465	Lin1	0.2406	0.1437						15.0	0.9956		0.9900
	0.1389																
Iodomethane	0.3732	0.4266	0.4543	0.5010	0.4916	Ave		0.4605				11.7		15.0			
	0.5165																
Methylene Chloride	0.6800	0.6028	0.5898	0.6928	0.6416	Ave		0.6326				7.3		15.0			
	0.5885																
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5590	0.6000	0.5874	0.7049	0.6848	Ave		0.6280				9.1		15.0			
	0.6318																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FOI I

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624 60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	1.3236 1.6726	1.5010	1.4622	1.7219	1.7312	Ave		1.5688				10.5		15.0			
Carbon disulfide	2.1161 2.2074	2.2995	2.2000	2.4542	2.4011	Ave		2.2797				5.7		15.0			
trans-1,2-Dichloroethene	0.5795 0.5586	0.6232	0.5435	0.6564	0.6082	Ave		0.5949				7.1		15.0			
Methyl tert-butyl ether	1.4039 1.5508	1.4776	1.4890	1.7060	1.6966	Ave		1.5540				7.9		15.0			
1,1-Dichloroethane	1.2041 1.3656	1.3837	1.3068	1.4727	1.4341	Ave		1.3612			0.1000	7.0		15.0			
Vinyl acetate	1.1258 1.4480	1.1812	1.2796	1.5362	1.5263	Ave		1.3495				13.2		15.0			
2-Chloro-1,3-butadiene	1.2286 1.4969	1.3053	1.3426	1.5879	1.5780	Ave		1.4232				10.6		15.0			
Propionitrile	0.3310 0.3784	0.3653	0.3378	0.4010	0.3905	Ave		0.3673				7.7		15.0			
2-Butanone (MEK)	0.2938 0.2943	0.2405	0.2439	0.3188	0.3250	Ave		0.2861				12.7		15.0			
Methacrylonitrile	0.3333 0.4238	0.3295	0.3283	0.3994	0.4172	Ave		0.3719				12.4		15.0			
cis-1,2-Dichloroethene	0.6316 0.6305	0.6002	0.5750	0.6713	0.6526	Ave		0.6269				5.6		15.0			
Bromochloromethane	0.1882 0.2295	0.2285	0.2257	0.2379	0.2477	Ave		0.2263				9.0		15.0			
Chloroform	1.0297 1.1783	1.1435	1.0964	1.2634	1.2380	Ave		1.1582				7.6		30.0			
Isobutyl alcohol	0.0108 0.0094	0.0107	0.0068	0.0083	0.0101	Lin	0.3077	0.0096						15.0	0.9960		0.9900
2,2-Dichloropropane	0.1725 0.1884	0.1967	0.1765	0.2020	0.2047	Ave		0.1901				7.0		15.0			
1,2-Dichloroethane	0.4905 0.5336	0.4786	0.4612	0.5068	0.5183	Ave		0.4982				5.3		15.0			
1,1,1-Trichloroethane	0.6179 0.6939	0.6731	0.6562	0.7084	0.7056	Ave		0.6759				5.1		15.0			
1,1-Dichloropropene	0.5288 0.6551	0.6253	0.5786	0.6590	0.6488	Ave		0.6160				8.5		15.0			
Carbon tetrachloride	0.4788 0.5749	0.5478	0.5265	0.5909	0.5866	Ave		0.5509				7.8		15.0			
Benzene	1.3657 1.5433	1.5313	1.5002	1.6952	1.6292	Ave		1.5441				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Dibromomethane	0.2380	0.2478	0.2355	0.2493	0.2549	Ave		0.2434				3.4		15.0			
	0.2352																
1,2-Dichloropropane	0.5256	0.5897	0.5741	0.6182	0.6359	Ave		0.5836				6.9		30.0			
	0.5583																
Trichloroethene	0.4006	0.4300	0.4217	0.4563	0.4800	Ave		0.4367				6.4		15.0			
	0.4316																
Bromodichloromethane	0.6268	0.6296	0.6451	0.6926	0.7539	Ave		0.6719				7.2		15.0			
	0.6833																
Methyl methacrylate	0.1965	0.1964	0.2231	0.2707	0.3078	Lin1	0.0849	0.2807						15.0	0.9914		0.9900
	0.2604																
1,4-Dioxane	0.0014	0.0023	0.0021	0.0027	0.0031	Lin2	2.6422	0.0030							0.9911		0.9900
	0.0030																
2-Chloroethyl vinyl ether	0.0078	0.0082	0.0141	0.0167	0.0248	Lin	0.2652	0.0238						15.0	0.9924		0.9900
	0.0225																
cis-1,3-Dichloropropene	0.6463	0.6894	0.6983	0.8183	0.8820	Ave		0.7572				12.2		15.0			
	0.8086																
4-Methyl-2-pentanone (MIBK)	0.4340	0.4044	0.3772	0.4554	0.5189	Ave		0.4427				11.2		15.0			
	0.4660																
trans-1,3-Dichloropropene	0.3764	0.5888	0.4831	0.6058	0.6803	Lin1	0.0433	0.6508						15.0	0.9959		0.9900
	0.6278																
1,1,2-Trichloroethane	0.2741	0.2854	0.2823	0.3171	0.3158	Ave		0.2932				6.3		15.0			
	0.2842																
Ethyl methacrylate	0.4283	0.4396	0.4872	0.5847	0.6264	Lin2	0.0649	0.5845							0.9913		0.9900
	0.5592																
Toluene	1.0646	1.1510	1.0961	1.1908	1.2583	Ave		1.1488				6.0		30.0			
	1.1318																
1,3-Dichloropropane	0.5164	0.5925	0.5397	0.6600	0.6791	Ave		0.6027				10.8		15.0			
	0.6283																
2-Hexanone	0.0931	0.1184	0.2152	0.2924	0.3504	Lin1	0.1992	0.3418						15.0	0.9943		0.9900
	0.3260																
Chlorodibromomethane	0.3181	0.3612	0.3508	0.3981	0.4286	Ave		0.3736				10.4		15.0			
	0.3846																
1,2-Dibromoethane	0.5514	0.5876	0.5584	0.6260	0.6002	Ave		0.5830				4.8		15.0			
	0.5744																
Tetrachloroethene	0.3046	0.3274	0.3259	0.3510	0.3736	Ave		0.3368				7.0		15.0			
	0.3384																
1,1,1,2-Tetrachloroethane	0.7822	0.8572	0.8127	0.8683	0.8229	Ave		0.8217				4.3		15.0			
	0.7868																
Chlorobenzene	1.0505	1.0907	1.0462	1.1420	1.2207	Ave		1.1082			0.3000	5.9		15.0			
	1.0990																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FOF I

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	1.1851 1.2602	1.4385	1.2435	1.3787	1.3464	Ave		1.3087				7.3		30.0			
m-Xylene & p-Xylene	1.5130 1.6396	1.8332	1.5560	1.8150	1.7168	Ave		1.6789				7.9		15.0			
Bromoform	0.3595 0.4770	0.4414	0.4149	0.5039	0.4945	Ave		0.4485			0.1000	12.3		15.0			
Styrene	1.8444 2.4203	2.5287	2.2419	2.6041	2.5331	Ave		2.3621				12.0		15.0			
o-Xylene	1.5722 1.5529	1.7575	1.5383	1.7405	1.6657	Ave		1.6378				5.9		15.0			
1,1,2,2-Tetrachloroethane	0.7291 0.7668	0.8627	0.8182	0.9005	0.8527	Ave		0.8217			0.3000	7.8		15.0			
trans-1,4-Dichloro-2-butene	0.1247 0.3052	0.1705	0.2082	0.2922	0.3188	Lin1	0.1570	0.3162						15.0	0.9969		0.9900
1,2,3-Trichloropropane	0.8572 1.2846	1.1026	1.0217	1.4068	1.4239	Lin1	0.0410	1.3618						15.0	0.9946		0.9900
Isopropylbenzene	4.3565 4.4618	4.8226	4.3737	4.8862	4.6020	Ave		4.5838				5.0		15.0			
Bromobenzene	0.6592 0.8364	0.7667	0.7691	0.9144	0.8475	Ave		0.7989				11.0		15.0			
N-Propylbenzene	5.1983 5.5897	6.0105	5.2747	6.2344	5.9359	Ave		5.7072				7.4		15.0			
2-Chlorotoluene	0.8437 0.9180	0.9856	0.8737	1.0252	0.9734	Ave		0.9366				7.5		15.0			
4-Chlorotoluene	0.8428 0.9170	0.9448	0.8925	1.0339	0.9878	Ave		0.9365				7.3		15.0			
1,3,5-Trimethylbenzene	3.3136 3.6969	4.0594	3.7101	4.0752	3.8909	Ave		3.7910				7.5		15.0			
tert-Butylbenzene	2.8042 3.0421	3.4087	3.0117	3.3751	3.1881	Ave		3.1383				7.4		15.0			
1,2,4-Trimethylbenzene	3.3506 3.6314	3.9617	3.4719	3.8802	3.7681	Ave		3.6773				6.5		15.0			
sec-Butylbenzene	4.5402 5.0553	5.5748	4.9627	5.5621	5.2428	Ave		5.1563				7.6		15.0			
1,3-Dichlorobenzene	1.5730 1.7033	1.6085	1.5682	1.7548	1.7359	Ave		1.6573				5.1		15.0			
4-Isopropyltoluene	3.3058 3.6479	4.0163	3.4840	3.8582	3.6819	Ave		3.6657				6.9		15.0			
1,4-Dichlorobenzene	1.7338 1.7944	1.9771	1.7485	1.9145	1.8218	Ave		1.8317				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.3296 1.5162	1.7064	1.5113	1.6066	1.6170	Ave		1.5479				8.3		15.0			
n-Butylbenzene	3.5595 4.1560	4.1910	3.9559	4.4398	4.3191	Ave		4.1035				7.6		15.0			
1,2-Dibromo-3-Chloropropane	0.0610 0.1117	0.1072	0.0966	0.1050	0.1155	Lin2	0.0424	0.1158							0.9911		0.9900
1,2,4-Trichlorobenzene	0.8957 0.9470	0.9499	0.9233	1.0035	1.0088	Ave		0.9547				4.7		15.0			
Naphthalene	1.4094 1.6625	1.6932	1.4912	1.7742	1.8663	Ave		1.6495				10.4		15.0			
Hexachlorobutadiene	0.3819 0.4698	0.4993	0.4634	0.4639	0.4605	Ave		0.4564				8.6		15.0			
1,2,3-Trichlorobenzene	0.7677 0.7892	0.8396	0.8336	0.8642	0.8984	Ave		0.8321				5.8		15.0			
Dibromofluoromethane	0.5454 0.5682	0.5429	0.5235	0.6174	0.6022	Ave		0.5666				6.5		15.0			
1,2-Dichloroethane-d4 (Surr)	0.6495 0.6321	0.6443	0.6441	0.7192	0.6826	Ave		0.6620				5.0		15.0			
Toluene-d8 (Surr)	1.5695 1.5275	1.5986	1.4794	1.6182	1.6986	Ave		1.5820				4.8		15.0			
4-Bromofluorobenzene	1.1553 1.2676	1.4296	1.1499	1.3997	1.3381	Ave		1.2900				9.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120748/2	E22102.D
Level 2	IC 600-120748/3	E22103.D
Level 3	IC 600-120748/4	E22104.D
Level 4	ICIS 600-120748/5	E22105.D
Level 5	IC 600-120748/6	E22106.D
Level 6	IC 600-120748/7	E22107.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	PFB	Ave	6412 314054	14479	26479	71383	157045	5.00 200	10.0	20.0	50.0	100
Chloromethane	PFB	Ave	12444 488815	25350	48622	122871	246211	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	PFB	Ave	11315 533826	24745	45371	121803	250441	5.00 200	10.0	20.0	50.0	100
Bromomethane	PFB	Ave	7813 270443	13205	23162	62616	136700	5.00 200	10.0	20.0	50.0	100
Chloroethane	PFB	Ave	7674 253959	13306	25753	67220	137720	5.00 200	10.0	20.0	50.0	100
Acrolein	PFB	Ave	2653 121805	5679	10330	26980	61754	25.0 1000	50.0	100	250	500
Acetonitrile	PFB	Lin	1924 40308	1610	3604	10522	20620	10.0 400	20.0	40.0	100	200
Isopropyl alcohol	PFB	Lin1	5555 221643	7367	15335	49188	107973	50.0 2000	100	200	500	1000
Trichlorofluoromethane	PFB	Ave	18640 769002	34920	68967	188271	391973	5.00 200	10.0	20.0	50.0	100
Acetone	PFB	Lin1	17476 266364	16390	28557	67026	139094	10.0 400	20.0	40.0	100	200
1,1-Dichloroethene	PFB	Ave	7911 303719	15335	24994	73394	154311	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	PFB	Lin1	8455 443043	14624	31501	105804	228673	25.0 1000	50.0	100	250	500
Iodomethane	DFB	Ave	19702 1012425	41053	90225	238921	491136	10.0 400	20.0	40.0	100	200
Methylene Chloride	PFB	Ave	11058 375546	18512	36584	102434	200305	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroetha ne	PFB	Ave	9091 403183	18426	36434	104222	213796	5.00 200	10.0	20.0	50.0	100
3-Chloro-1-propene	PFB	Ave	43048 2134711	92195	181385	509227	1081027	10.0 400	20.0	40.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon disulfide	PFB	Ave	68824 2817209	141241	272909	725789	1499348	10.0 400	20.0	40.0	100	200
trans-1,2-Dichloroethene	PFB	Ave	9424 356461	19139	33711	97051	189882	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	PFB	Ave	22830 989635	45377	92355	252258	529723	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethane	PFB	Ave	19581 871465	42493	81055	217762	447759	5.00 200	10.0	20.0	50.0	100
Vinyl acetate	PFB	Ave	36615 1848032	72550	158734	454301	953072	10.0 400	20.0	40.0	100	200
2-Chloro-1,3-butadiene	PFB	Ave	39961 1910449	80173	166547	469588	985391	10.0 400	20.0	40.0	100	200
Propionitrile	PFB	Ave	10767 482892	22436	41906	118574	243837	10.0 400	20.0	40.0	100	200
2-Butanone (MEK)	PFB	Ave	9555 375667	14773	30256	94282	202932	10.0 400	20.0	40.0	100	200
Methacrylonitrile	PFB	Ave	10839 540832	20237	40728	118099	260498	10.0 400	20.0	40.0	100	200
cis-1,2-Dichloroethene	PFB	Ave	10271 402330	18433	35662	99264	203742	5.00 200	10.0	20.0	50.0	100
Bromochloromethane	PFB	Ave	3060 146484	7018	14001	35178	77343	5.00 200	10.0	20.0	50.0	100
Chloroform	PFB	Ave	16746 751913	35118	68006	186816	386530	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	DFB	Lin	2849 92011	5125	6798	19807	50555	50.0 2000	100	200	500	1000
2,2-Dichloropropane	PFB	Ave	2806 120249	6041	10945	29869	63922	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane	DFB	Ave	12946 522922	23029	45799	120847	258922	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	DFB	Ave	16307 680076	32390	65165	168935	352477	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	DFB	Ave	13956 642066	30090	57458	157159	324128	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	DFB	Ave	12638 563473	26359	52286	140910	293047	5.00 200	10.0	20.0	50.0	100
Benzene	DFB	Ave	36044 1512514	73684	148968	404243	813887	5.00 200	10.0	20.0	50.0	100
Dibromomethane	CBZ	Ave	4550 184658	9007	17678	46191	93630	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	CBZ	Ave	10048 438271	21435	43097	114539	233638	5.00 200	10.0	20.0	50.0	100

FOF I

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Trichloroethene	CBZ	Ave	7658 338822	15631	31657	84556	176363	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	CBZ	Ave	11962 536418	22885	48432	128335	276986	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	CBZ	Lin1	7513 408840	14276	33504	100314	226162	10.0 400	20.0	40.0	100	200
1,4-Dioxane	CBZ	Lin2	1367 117043	4190	8023	25085	56342	250 10000	500	1000	2500	5000
2-Chloroethyl vinyl ether	CBZ	Lin	297 35320	596	2110	6201	18221	10.0 400	20.0	40.0	100	200
cis-1,3-Dichloropropene	CBZ	Ave	12354 634739	25060	52426	151633	324049	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	16594 731643	29397	56637	168762	381272	10.0 400	20.0	40.0	100	200
trans-1,3-Dichloropropene	CBZ	Lin1	7195 492876	21401	36267	112254	249931	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	5239 223093	10375	21196	58757	116031	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Lin2	16375 877994	31959	73143	216671	460266	10.0 400	20.0	40.0	100	200
Toluene	CBZ	Ave	20350 888482	41839	82288	220652	462294	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	9871 493240	21538	40516	122299	249479	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Lin1	3561 511816	8605	32316	108351	257465	10.0 400	20.0	40.0	100	200
Chlorodibromomethane	CBZ	Ave	6081 301962	13131	26338	73759	157454	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	DCB	Ave	4801 216955	9213	19644	52936	111201	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	5823 265629	11902	24467	65030	137274	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	DCB	Ave	6810 297168	13439	28593	73422	152464	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	20081 862772	39645	78539	211610	448482	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	DCB	Ave	10318 475952	22553	43749	116578	249462	5.00 200	10.0	20.0	50.0	100
m-Xylene & p-Xylene	DCB	Ave	26345 1238543	57482	109486	306940	636204	10.0 400	20.0	40.0	100	200
Bromoform	DCB	Ave	3130 180170	6920	14596	42609	91626	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Styrene	DCB	Ave	16058 914124	39646	78873	220195	469347	5.00 200	10.0	20.0	50.0	100
o-Xylene	DCB	Ave	13688 586515	27554	54120	147168	308627	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	6348 289610	13525	28785	76141	157996	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Lin1	2172 230527	5346	14650	49418	118134	10.0 400	20.0	40.0	100	200
1,2,3-Trichloropropane	DCB	Lin1	7463 485176	17286	35944	118954	263833	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	37930 1685165	75609	153869	413160	852678	5.00 200	10.0	20.0	50.0	100
Bromobenzene	DCB	Ave	5739 315901	12021	27059	77320	157019	5.00 200	10.0	20.0	50.0	100
N-Propylbenzene	DCB	Ave	45259 2111151	94234	185567	527162	1099823	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	7346 346727	15453	30736	86684	180362	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	7338 346350	14812	31399	87426	183018	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	28850 1396291	63644	130524	344586	720913	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	24415 1148960	53442	105955	285387	590712	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	29172 1371539	62112	122144	328096	698166	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	39529 1909324	87403	174593	470317	971404	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	13695 643305	25218	55172	148377	321637	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	28782 1377784	62969	122571	326234	682193	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	15095 677723	30997	61514	161885	337548	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	11576 572639	26754	53170	135851	299598	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	30991 1569658	65707	139170	375412	800256	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Lin2	531 42173	1681	3398	8878	21408	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	7798 357654	14893	32484	84849	186913	5.00 200	10.0	20.0	50.0	100

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GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120748

SDG No.:

Instrument ID: VOAMS04 GC Column: DB-624_60 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/17/2013 10:47 Calibration End Date: 11/17/2013 13:07 Calibration ID: 2596

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Naphthalene	DCB	Ave	12271 627919	26546	52463	150025	345798	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	3325 177423	7828	16303	39222	85317	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	6684 298070	13164	29326	73073	166466	5.00 200	10.0	20.0	50.0	100
Dibromofluoromethane	PFB	Ave	8869 362592	16673	32469	91295	188033	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	PFB	Ave	10562 403335	19788	39948	106341	213125	5.00 200	10.0	20.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave	30002 1199139	58109	111060	299845	624056	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene	DCB	Ave	10059 478750	22414	40455	118354	247921	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121433/2	J32902.D
Level 2	IC 600-121433/3	J32903.D
Level 3	IC 600-121433/4	J32904.D
Level 4	ICIS 600-121433/5	J32905.D
Level 5	IC 600-121433/6	J32906.D
Level 6	IC 600-121433/7	J32907.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
2-Methylnaphthalene	0	0	0	0	0	Ave											
	0																
Dichlorodifluoromethane	0.2165	0.2412	0.2321	0.2258	0.2240	Ave		0.2250				4.8		15.0			
	0.2107																
Chloromethane	0.3126	0.3328	0.3069	0.3189	0.3304	Ave		0.3186			0.1000	3.4		15.0			
	0.3101																
2-Chloroethyl vinyl ether					0.6716	Ave		0.6716						15.0			
	0																
Vinyl chloride	0.2914	0.3360	0.3348	0.3190	0.1749	Ave		0.3220				5.7		30.0			
	+++++																
Butadiene	0.2948	0.3402	0.3418	0.3320	0.3196	Ave		0.3110				12.8		15.0			
	0.2375																
Bromomethane	0.1518	0.1475	0.1389	0.1331	0.1340	Ave		0.1386				6.9		15.0			
	0.1261																
Chloroethane	0.1531	0.1629	0.1605	0.1601	0.1605	Ave		0.1570				4.3		15.0			
	0.1449																
Alcohol	0.0038	0.0047	0.0046	0.0046	0.0051	Ave		0.0047				11.1					
	0.0052																
Dichlorofluoromethane	0.4432	0.4898	0.4825	0.4725	0.4774	Ave		0.4681				4.3					
	0.4429																
Acrolein	0.0309	0.0353	0.0357	0.0351	0.0358	Ave		0.0348				5.5		15.0			
	0.0358																
Acetonitrile	0.0434	0.0500	0.0498	0.0510	0.0530	Ave		0.0498				6.7		15.0			
	0.0515																
Trichlorofluoromethane	0.3759	0.4076	0.4015	0.3936	0.3961	Ave		0.3890				4.6		15.0			
	0.3594																
Isopropyl alcohol	0.0207	0.0237	0.0235	0.0247	0.0258	Ave		0.0239				7.5		15.0			
	0.0251																
Acetone	0.0940	0.1088	0.1108	0.1108	0.1391	Lin	0.1964	0.1457							0.9977		0.9900
	0.1429																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Ethyl ether	0.2402	0.2423	0.2386	0.2379	0.2346	Ave		0.2357				3.4		15.0			
	0.2204																
1,1-Dichloroethene	0.1636	0.1814	0.1798	0.1816	0.1851	Ave		0.1775				4.4		30.0			
	0.1736																
2-Methyl-2-propanol	0.0350	0.0397	0.0394	0.0398	0.0430	Ave		0.0395				6.4		15.0			
	0.0399																
Acrylonitrile	0.0966	0.1160	0.1168	0.1170	0.1205	Ave		0.1139				7.6		15.0			
	0.1163																
Iodomethane	0.1290	0.1306	0.1323	0.1343	0.1328	Ave		0.1297				4.2		15.0			
	0.1191																
Methylene Chloride	0.2567	0.2630	0.2605	0.2539	0.2557	Ave		0.2563				2.0		15.0			
	0.2482																
Methyl acetate	1.0898	1.2325	1.2070	1.1676	1.2688	Ave		1.2097				6.1		15.0			
	1.2926																
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1457	0.1556	0.1573	0.1561	0.1554	Ave		0.1528				3.4		15.0			
	0.1465																
3-Chloro-1-propene	0.0697	0.0726	0.0696	0.0693	0.0701	Ave		0.0693				3.7		15.0			
	0.0646																
Carbon disulfide	0.5531	0.5713	0.5738	0.5797	0.5791	Ave		0.5659				2.9		15.0			
	0.5383																
trans-1,2-Dichloroethene	0.2263	0.2295	0.2308	0.2391	0.2394	Ave		0.2320				2.5		15.0			
	0.2269																
Methyl tert-butyl ether	0.7920	0.8431	0.8477	0.8481	0.8579	Ave		0.8370				2.8		15.0			
	0.8334																
Propionitrile	0.0452	0.0533	0.0538	0.0540	0.0559	Ave		0.0529				7.4		15.0			
	0.0553																
1,1-Dichloroethane	0.4551	0.4610	0.4659	0.4542	0.4536	Ave		0.4507			0.1000	4.1		15.0			
	0.4147																
Vinyl acetate	0.2243	0.2911	0.3064	0.3563	0.3647	Lin1	0.0992	0.3819							0.9991		0.9900
	0.3841																
2-Chloro-1,3-butadiene	0.3685	0.4053	0.4148	0.4236	0.4248	Ave		0.4066				5.1		15.0			
	0.4025																
Hexane	0.2391	0.2493	0.2474	0.2471	0.2440	Ave		0.2416				4.0		15.0			
	0.2230																
Isopropyl ether	0.9528	1.0188	1.0263	1.0354	1.0186	Ave		1.0008				3.8		15.0			
	0.9530																
2-Butanone (MEK)	0.0343	0.0389	0.0400	0.0395	0.0419	Ave		0.0389				6.5		15.0			
	0.0392																
Methacrylonitrile	0.0447	0.0484	0.0498	0.0504	0.0505	Ave		0.0488				4.4		15.0			
	0.0487																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
cis-1,2-Dichloroethene	0.2604	0.2722	0.2778	0.2836	0.2851	Ave		0.2751				3.3		15.0			
	0.2718																
Ethyl acetate	0.2627	0.3108	0.3179	0.3203	0.3296	Ave		0.3086				7.6		15.0			
	0.3104																
Bromochloromethane	0.1188	0.1257	0.1252	0.1274	0.1320	Ave		0.1261				3.4		15.0			
	0.1274																
Chloroform	0.4296	0.4507	0.4571	0.4461	0.4455	Ave		0.4404				3.6		30.0			
	0.4137																
Tert-butyl ethyl ether	0.8976	0.9500	0.9624	0.9751	0.9779	Ave		0.9500				3.1					
	0.9369																
Isobutyl alcohol	0.0195	0.0235	0.0234	0.0242	0.0200	Ave		0.0215				11.7		15.0			
	0.0184																
2,2-Dichloropropane	0.3611	0.3763	0.3888	0.3911	0.3897	Ave		0.3652				11.3		15.0			
	0.2841																
Tetrahydrofuran	0.0961	0.1166	0.1126	0.1169	0.1193	Ave		0.1174				12.8		15.0			
	0.1429																
1,2-Dichloroethane	0.3843	0.4084	0.4089	0.4012	0.3811	Ave		0.3885				6.0		15.0			
	0.3472																
1,1,1-Trichloroethane	0.3640	0.3901	0.3886	0.3940	0.3906	Ave		0.3828				3.3		15.0			
	0.3697																
1,1-Dichloropropene	0.3042	0.3247	0.3291	0.3378	0.3331	Ave		0.3233				4.1		15.0			
	0.3107																
Carbon tetrachloride	0.3003	0.2958	0.3196	0.3246	0.3329	Ave		0.3150				4.5		15.0			
	0.3166																
Benzene	1.0007	1.0508	1.0577	1.0423	1.0443	Ave		1.0294				3.0		15.0			
	0.9806																
Tert-amyl methyl ether	0.7544	0.8085	0.8351	0.8377	0.8516	Ave		0.8201				4.3					
	0.8335																
Isooctane	0.5761	0.5733	0.5626	0.5515	0.5577	Ave		0.5542				4.7		15.0			
	0.5041																
Ethyl acrylate	0.4258	0.4963	0.5150	0.5253	0.5431	Ave		0.5059				8.4		15.0			
	0.5300																
2-Nitropropane	0.1193	0.1258	0.1283	0.1240	0.1231	Ave		0.1236				2.6		15.0			
	0.1207																
n-Heptane	0.2387	0.2516	0.2565	0.2480	0.2463	Ave		0.2471				2.6		15.0			
	0.2415																
Dibromomethane	0.1726	0.1834	0.1802	0.1626	0.1515	Ave		0.1647				10.6		15.0			
	0.1381																
1,2-Dichloropropane	0.2801	0.2905	0.2909	0.2936	0.2948	Ave		0.2884				2.2		30.0			
	0.2809																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Trichloroethene	0.2889	0.2938	0.2991	0.2967	0.3029	Ave		0.2953				1.8		15.0			
	0.2902																
Bromodichloromethane	0.3478	0.3629	0.3848	0.3840	0.3911	Ave		0.3741				4.3		15.0			
	0.3740																
Methyl methacrylate	0.2954	0.3433	0.3537	0.3579	0.3663	Ave		0.3447				7.3		15.0			
	0.3516																
1,4-Dioxane	0.9029	1.1797	1.0570	0.9808	1.0010	Ave		1.0170				9.2		15.0			
	0.9806																
Cyclohexane	0.0199	0.0205	0.0214	0.0214	0.0218	Ave		0.0208				3.7		15.0			
	0.0201																
Methylcyclohexane	0.2980	0.3205	0.3294	0.3251	0.3266	Ave		0.3173				4.1		15.0			
	0.3039																
cis-1,3-Dichloropropene	0.8941	0.9620	0.9832	1.0076	1.0139	Ave		0.9722				4.4		15.0			
	0.9727																
4-Methyl-2-pentanone (MIBK)	0.3116	0.3640	0.3695	0.3769	0.3829	Ave		0.3624				7.1		15.0			
	0.3693																
trans-1,3-Dichloropropene	0.7008	0.7848	0.8080	0.8582	0.8792	Ave		0.8158				8.2		15.0			
	0.8639																
1,1,2-Trichloroethane	0.5920	0.5997	0.5918	0.5947	0.6021	Ave		0.5924				1.7		15.0			
	0.5739																
Ethyl methacrylate	0.7997	0.8984	0.9399	0.9711	1.0025	Ave		0.9303				7.8		15.0			
	0.9703																
Toluene	1.5172	1.5970	1.6041	1.5873	1.5824	Ave		1.5624				3.1		30.0			
	1.4862																
1,3-Dichloropropane	1.0427	1.0981	1.0987	1.0931	1.0971	Ave		1.0776				2.8		15.0			
	1.0359																
2-Hexanone	0.4769	0.5688	0.5788	0.5887	0.6136	Ave		0.5686				8.3		15.0			
	0.5847																
Chlorodibromomethane	0.6056	0.6496	0.6663	0.6915	0.7211	Ave		0.6735				6.3		15.0			
	0.7070																
n-Butyl acetate	0.8965	1.0590	1.1063	1.1648	1.2056	Ave		1.0979				10.1		15.0			
	1.1555																
1,2-Dibromoethane	0.5750	0.6218	0.6250	0.6343	0.6469	Ave		0.6206				3.9		15.0			
	0.6204																
Tetrachloroethene	0.5134	0.5372	0.5739	0.5357	0.6309	Ave		0.5537				7.7		15.0			
	0.5311																
1,1,1,2-Tetrachloroethane	0.5939	0.6270	0.6282	0.6539	0.6693	Ave		0.6364				4.1		15.0			
	0.6459																
Chlorobenzene	1.7413	1.8136	1.7937	1.7908	1.8253	Ave		1.7778			0.3000	2.6		15.0			
	1.7019																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	0.9137 0.9178	0.9286	0.9527	0.9616	0.9743	Ave		0.9414				2.6		30.0			
m-Xylene & p-Xylene	1.0814 1.1321	1.1535	1.1706	1.1768	1.2020	Ave		1.1527				3.6		15.0			
Bromoform	0.4069 0.5318	0.4673	0.4841	0.5040	0.5336	Ave		0.4880			0.1000	9.7		15.0			
Styrene	1.5970 1.8783	1.7319	1.8430	1.9117	2.0013	Ave		1.8272				7.8		15.0			
Cyclohexanone	0.0236 0.0291	0.0272	0.0282	0.0293	0.0299	Ave		0.0279				8.2		15.0			
1,1,2,2-Tetrachloroethane	0.8629 0.9451	0.9574	0.9492	0.9662	0.9857	Ave		0.9444			0.3000	4.5		15.0			
o-Xylene	1.0629 1.1272	1.1453	1.1799	1.1702	1.1936	Ave		1.1465				4.1		15.0			
trans-1,4-Dichloro-2-butene	0.1011 0.2099	0.1249	0.1428	0.1758	0.1983	Lin1	0.0735	0.2078							0.9963		0.9900
1,2,3-Trichloropropane	0.2661 0.2749	0.3057	0.2964	0.2888	0.2846	Ave		0.2861				5.0		15.0			
Isopropylbenzene	2.8761 2.7679	3.0193	3.0578	3.0120	2.9717	Ave		2.9508				3.7		15.0			
Bromobenzene	0.7875 0.7921	0.8400	0.8438	0.8332	0.8339	Ave		0.8218				3.1		15.0			
N-Propylbenzene	0.7865 0.7779	0.7983	0.8162	0.8147	0.8260	Ave		0.8033				2.3		15.0			
2-Chlorotoluene	0.7156 0.7107	0.7529	0.7548	0.7469	0.7534	Ave		0.7390				2.7		15.0			
4-Chlorotoluene	2.1072 2.0576	2.1992	2.2431	2.1879	2.2055	Ave		2.1668				3.2		15.0			
1,3,5-Trimethylbenzene	2.2962 2.3132	2.4643	2.4717	2.4626	2.4636	Ave		2.4119				3.5		15.0			
Pentachloroethane	0.4294				0.3671	Ave		0.3983				11.0					
tert-Butylbenzene	1.8947 1.9126	2.0171	2.0321	2.0142	2.0416	Ave		1.9854				3.2		15.0			
1,2,4-Trimethylbenzene	2.3774 2.4194	2.5284	2.5733	2.5553	2.5706	Ave		2.5041				3.4		15.0			
sec-Butylbenzene	2.6016 2.5902	2.7345	2.7849	2.7492	2.7772	Ave		2.7063				3.2		15.0			
Benzyl chloride	0.7877 1.3504	0.9685	1.0753	1.2240	1.2866	Lin1	0.0526	1.3420							0.9989		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
1,3-Dichlorobenzene	1.4019	1.4797	1.4601	1.4532	1.4740	Ave		1.4456				2.4		15.0			
	1.4049																
1,4-Dichlorobenzene	1.4273	1.4892	1.4905	1.4785	1.4979	Ave		1.4683				2.2		15.0			
	1.4265																
4-Isopropyltoluene	2.2888	2.4107	2.4653	2.4708	2.5334	Ave		2.4251				3.5		15.0			
	2.3814																
1,2,3-Trimethylbenzene	2.4651	2.6068	2.6567	2.6068	2.6129	Ave		2.5688				3.2		15.0			
	2.4648																
1,2-Dichlorobenzene	1.3725	1.4183	1.4210	1.3773	1.3762	Ave		1.3822				2.5		15.0			
	1.3277																
n-Butylbenzene	1.7484	1.8167	1.8591	1.8739	1.9302	Ave		1.8430				3.3		15.0			
	1.8299																
1,2-Dibromo-3-Chloropropane	0.1361	0.1683	0.1667	0.1725	0.1752	Ave		0.1660				9.1		15.0			
	0.1770																
1,3,5-Trichlorobenzene	0.7811	0.8243	0.8144	0.7932	0.7891	Ave		0.7986				2.1		15.0			
	0.7895																
1,2,4-Trichlorobenzene	0.5492	0.5458	0.5874	0.5739	0.5627	Ave		0.5656				2.8		15.0			
	0.5749																
Naphthalene	0.8274	0.8042	0.9957	1.0980	1.1571	Lin1	0.0515	1.2229							0.9976		0.9900
	1.2418																
Hexachlorobutadiene	0.1100	0.1093	0.1153	0.1011	0.0999	Ave		0.1058				6.3		15.0			
	0.0992																
1,2,3-Trichlorobenzene	0.3409	0.3663	0.3961	0.3716	0.3510	Ave		0.3653				5.2		15.0			
	0.3661																
Dibromofluoromethane	0.2403	0.2504	0.2488	0.2485	0.2521	Ave		0.2463				2.4		15.0			
	0.2377																
1,2-Dichloroethane-d4 (Surr)	0.3110	0.3261	0.3298	0.3190	0.3022	Ave		0.3151				3.7		15.0			
	0.3026																
Toluene-d8 (Surr)	2.1775	2.2321	2.2319	2.2038	2.1835	Ave		2.1800				3.1		15.0			
	2.0512																
4-Bromofluorobenzene	0.9738	0.9660	0.9429	0.9238	0.9282	Ave		0.9355				3.7		15.0			
	0.8784																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121433/2	J32902.D
Level 2	IC 600-121433/3	J32903.D
Level 3	IC 600-121433/4	J32904.D
Level 4	ICIS 600-121433/5	J32905.D
Level 5	IC 600-121433/6	J32906.D
Level 6	IC 600-121433/7	J32907.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Methylnaphthalene	DCB	Ave	0 0	0	0	0	0	5.00 200	10.0	20.0	50.0	100
Dichlorodifluoromethane	FB	Ave	5439 229282	11939	23070	56984	115317	5.00 200	10.0	20.0	50.0	100
Chloromethane	FB	Ave	7854 337553	16476	30500	80476	170117	5.00 200	10.0	20.0	50.0	100
2-Chloroethyl vinyl ether	CBZ	Ave	0				151769	200				100
Vinyl chloride	FB	Ave	7321 +++++	16636	33272	80499	67559	5.00 +++++	10.0	20.0	50.0	75.0
Butadiene	FB	Ave	7406 258544	16843	33967	83788	164579	5.00 200	10.0	20.0	50.0	100
Bromomethane	FB	Ave	3815 137240	7300	13808	33595	69018	5.00 200	10.0	20.0	50.0	100
Chloroethane	FB	Ave	3847 157672	8067	15952	40417	82622	5.00 200	10.0	20.0	50.0	100
Alcohol	FB	Ave	4722 285535	11717	22969	58390	131339	250 10000	500	1000	2500	5000
Dichlorofluoromethane	FB	Ave	11136 482040	24247	47951	119262	245831	5.00 200	10.0	20.0	50.0	100
Acrolein	FB	Ave	3886 195078	8749	17721	44343	92238	25.0 1000	50.0	100	250	500
Acetonitrile	FB	Ave	10912 560868	24730	49489	128787	272656	50.0 2000	100	200	500	1000
Trichlorofluoromethane	FB	Ave	9445 391216	20179	39905	99330	203967	5.00 200	10.0	20.0	50.0	100
Isopropyl alcohol	FB	Ave	5201 273255	11722	23358	62312	132765	50.0 2000	100	200	500	1000
Acetone	FB	Lin	4726 311007	10774	22020	55953	143253	10.0 400	20.0	40.0	100	200
Ethyl ether	FB	Ave	6036 239837	11996	23712	60044	120820	5.00 200	10.0	20.0	50.0	100

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	4110 188993	8980	17871	45845	95328	5.00 200	10.0	20.0	50.0	100
2-Methyl-2-propanol	FB	Ave	8797 434716	19661	39124	100398	221165	50.0 2000	100	200	500	1000
Acrylonitrile	FB	Ave	24268 1265874	57410	116041	295407	620428	50.0 2000	100	200	500	1000
Iodomethane	FB	Ave	3241 129589	6468	13150	33887	68360	5.00 200	10.0	20.0	50.0	100
Methylene Chloride	FB	Ave	6451 270145	13020	25886	64070	131639	5.00 200	10.0	20.0	50.0	100
Methyl acetate	FB	Ave	27382 1406924	61016	119953	294691	653315	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3661 159450	7702	15630	39387	80030	5.00 200	10.0	20.0	50.0	100
3-Chloro-1-propene	FB	Ave	1752 70363	3592	6912	17500	36099	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	FB	Ave	13898 585913	28285	57023	146314	298180	5.00 200	10.0	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	5687 247015	11364	22940	60335	123255	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	19899 907112	41741	84240	214046	441727	5.00 200	10.0	20.0	50.0	100
Propionitrile	FB	Ave	11358 601624	26386	53431	136222	288019	50.0 2000	100	200	500	1000
1,1-Dichloroethane	FB	Ave	11434 451333	22822	46296	114629	233550	5.00 200	10.0	20.0	50.0	100
Vinyl acetate	FB	Lin1	11273 836078	28825	60890	179843	375557	10.0 400	20.0	40.0	100	200
2-Chloro-1,3-butadiene	FB	Ave	9258 438086	20066	41223	106917	218750	5.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	6007 242757	12340	24583	62361	125636	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	FB	Ave	23939 1037303	50441	101994	261307	524500	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	1723 85249	3848	7949	19935	43104	10.0 400	20.0	40.0	100	200
Methacrylonitrile	FB	Ave	11236 530067	23980	49489	127173	260136	50.0 2000	100	200	500	1000
cis-1,2-Dichloroethene	FB	Ave	6542 295863	13475	27605	71579	146797	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	13201 675627	30778	63195	161657	339378	10.0 400	20.0	40.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromochloromethane	FB	Ave	2984 138689	6225	12441	32165	67969	5.00 200	10.0	20.0	50.0	100
Chloroform	FB	Ave	10793 450257	22315	45422	112598	229380	5.00 200	10.0	20.0	50.0	100
Tert-butyl ethyl ether	FB	Ave	22553 1019730	47030	95638	246092	503502	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	FB	Ave	12220 499458	29059	58218	152793	257176	125 5000	250	500	1250	2500
2,2-Dichloropropane	FB	Ave	9073 309238	18628	38639	98716	200666	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	FB	Ave	4828 311009	11544	22374	58985	122885	10.0 400	20.0	40.0	100	200
1,2-Dichloroethane	FB	Ave	9657 377926	20221	40635	101247	196235	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	9147 402430	19314	38621	99435	201104	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	FB	Ave	7644 338175	16077	32707	85248	171504	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	FB	Ave	7546 344544	14645	31765	81914	171401	5.00 200	10.0	20.0	50.0	100
Benzene	FB	Ave	25144 1067324	52022	105115	263067	537716	5.00 200	10.0	20.0	50.0	100
Tert-amyl methyl ether	FB	Ave	18956 907178	40027	82995	211417	438519	5.00 200	10.0	20.0	50.0	100
Isooctane	FB	Ave	14474 548639	28383	55910	139186	287148	5.00 200	10.0	20.0	50.0	100
Ethyl acrylate	FB	Ave	10698 576860	24571	51180	132568	279653	5.00 200	10.0	20.0	50.0	100
2-Nitropropane	FB	Ave	5997 262833	12458	25495	62598	126810	10.0 400	20.0	40.0	100	200
n-Heptane	FB	Ave	5997 262833	12458	25495	62598	126810	5.00 200	10.0	20.0	50.0	100
Dibromomethane	FB	Ave	4337 150281	9078	17909	41038	78030	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	FB	Ave	7039 305688	14380	28909	74092	151769	5.00 200	10.0	20.0	50.0	100
Trichloroethene	FB	Ave	7259 315906	14547	29723	74888	155948	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	FB	Ave	8739 407035	17964	38246	96921	201402	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	FB	Ave	14846 765446	33989	70304	180680	377238	10.0 400	20.0	40.0	100	200

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DXE	Ave	1234 74423	3224	6524	16329	34519	100 4000	200	400	1000	2000
Cyclohexane	FB	Ave	501 21847	1017	2128	5394	11200	5.00 200	10.0	20.0	50.0	100
Methylcyclohexane	FB	Ave	7487 330813	15868	32739	82041	168175	5.00 200	10.0	20.0	50.0	100
cis-1,3-Dichloropropene	CBZ	Ave	9515 471664	20176	41796	110147	229118	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	FB	Ave	15659 803808	36040	73446	190266	394343	10.0 400	20.0	40.0	100	200
trans-1,3-Dichloropropene	CBZ	Ave	7458 418896	16460	34350	93822	198669	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	6300 278304	12577	25157	65013	136048	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	8511 470489	18842	39956	106161	226541	5.00 200	10.0	20.0	50.0	100
Toluene	CBZ	Ave	16147 720677	33494	68192	173520	357572	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	11097 502306	23031	46707	119499	247911	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	10150 567059	23858	49208	128709	277305	10.0 400	20.0	40.0	100	200
Chlorodibromomethane	CBZ	Ave	6445 342843	13624	28325	75592	162938	5.00 200	10.0	20.0	50.0	100
n-Butyl acetate	CBZ	Ave	9541 560290	22211	47028	127338	272426	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	6119 300818	13042	26570	69344	146189	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	5464 257512	11267	24397	58568	142558	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	6320 313218	13150	26705	71484	151251	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	18532 825267	38038	76251	195775	412454	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	9724 445024	19476	40502	105121	220154	5.00 200	10.0	20.0	50.0	100
m-Xylene & p-Xylene	CBZ	Ave	11509 548933	24194	49765	128649	271603	5.00 200	10.0	20.0	50.0	100
Bromoform	DCB	Ave	3995 255603	9118	19313	53217	119905	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	16996 910784	36324	78348	208990	452222	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexanone	CBZ	Ave	12570 705573	28524	59896	160042	338308	250 10000	500	1000	2500	5000
1,1,2,2-Tetrachloroethane	CBZ	Ave	9183 458297	20080	40350	105631	222726	5.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	11312 546558	24021	50160	127928	269718	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Lin1	993 100881	2436	5699	18564	44561	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	2612 132114	5964	11825	30495	63956	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	28236 1330468	58908	122000	318008	667758	5.00 200	10.0	20.0	50.0	100
Bromobenzene	DCB	Ave	7731 380749	16390	33667	87971	187373	5.00 200	10.0	20.0	50.0	100
N-Propylbenzene	DCB	Ave	7722 373933	15576	32566	86015	185613	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	7025 341623	14690	30116	78857	169281	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	20688 989018	42909	89498	230999	495587	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	22543 1111879	48080	98618	259997	553573	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Ave	206388				82497	200				100
tert-Butylbenzene	DCB	Ave	18601 919320	39356	81077	212657	458746	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	23340 1162959	49331	102672	269790	577625	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	25541 1245039	53352	111115	290261	624048	5.00 200	10.0	20.0	50.0	100
Benzyl chloride	DCB	Lin1	7733 649094	18897	42903	129233	289109	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	13763 675285	28870	58257	153433	331216	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	14013 685656	29055	59467	156104	336582	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	22471 1144693	47034	98360	260868	569271	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	24201 1184751	50861	105998	275230	587123	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	13475 638175	27673	56696	145416	309228	5.00 200	10.0	20.0	50.0	100

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121433

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/25/2013 10:32 Calibration End Date: 11/25/2013 12:33 Calibration ID: 2617

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	17165 879579	35445	74175	197850	433709	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	1336 85082	3283	6652	18210	39375	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	7669 379505	16082	32494	83745	177320	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	5392 276327	10649	23435	60595	126432	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Linl	8123 596917	15690	39725	115926	260007	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	1080 47678	2133	4601	10674	22448	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	3347 175979	7146	15804	39238	78866	5.00 200	10.0	20.0	50.0	100
Dibromofluoromethane	FB	Ave	6037 258685	12397	24726	62707	129821	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7814 329397	16145	32779	80523	155580	5.00 200	10.0	20.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave	23174 994634	46815	94881	240922	493403	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene	DCB	Ave	9560 422230	18848	37622	97539	208563	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Linl = Linear 1/conc ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120849/2	L32202.D
Level 2	IC 600-120849/3	L32203.D
Level 3	IC 600-120849/4	L32204.D
Level 4	ICIS 600-120849/5	L32205.D
Level 5	IC 600-120849/6	L32206.D
Level 6	IC 600-120849/7	L32207.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5014 0.5185	0.4384	0.4584	0.5569	0.5171	Ave		0.4984				8.7		15.0			
Chloromethane	0.5579 0.5470	0.4656	0.5046	0.5899	0.5553	Ave		0.5367			0.1000	8.3		15.0			
Vinyl chloride	0.4355 0.4084	0.3837	0.3892	0.4579	0.4199	Ave		0.4158				6.8		30.0			
Butadiene	0.2634 0.3175	0.2609	0.3114	0.3730	0.3328	Ave		0.3098				13.8		15.0			
Ethylene oxide	0.0450 0.0319	0.0421	0.0569	0.0480	0.0442	Qua	2.5111	6.8334	9.0767					15.0	0.9960		0.9900
Bromomethane	0.2855 0.3009	0.2710	0.2718	0.3255	0.3052	Ave		0.2933				7.2		15.0			
Chloroethane	0.2276 0.2200	0.2026	0.2061	0.2533	0.2284	Ave		0.2230				8.2		15.0			
Dichlorofluoromethane	0.5791 0.6267	0.5517	0.5854	0.7001	0.6432	Ave		0.6144				8.7		15.0			
Acrolein	0.0259 0.0227	0.0239	0.0302	0.0242	0.0283	Ave		0.0259				11.2		15.0			
Trichlorofluoromethane	0.6225 0.6617	0.5999	0.5285	0.7297	0.6625	Ave		0.6341				10.7		15.0			
Propionaldehyde	0.0105 0.0050	0.0066	0.0070	0.0058	0.0067	Qua	0.9741	87.510	515.98					15.0	0.9912		0.9900
Acetone	0.1099 +++++	0.0918	0.1027	0.0807	0.0927	Lin1	-0.038	0.0892						15.0	0.9915		0.9900
Ethyl ether	0.3191 0.2668	0.3112	0.3363	0.2748	0.2776	Ave		0.2976				9.5		15.0			
1,1-Dichloroethene	0.4019 0.3434	0.4022	0.4174	0.3399	0.3287	Ave		0.3723				10.5		30.0			
Acrylonitrile	0.1022 0.0912	0.0909	0.1196	0.0947	0.1186	Ave		0.1029				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Iodomethane	0.8440	0.8204	0.8669	0.7636	0.7162	Ave		0.7938				7.4		15.0			
	0.7516																
Methylene Chloride	0.8971	0.5902	0.5485	0.4170	0.3860	None	-0.141	0.3701							0.9985		
	0.3862																
Methyl acetate	0.2854	0.2627	0.3128	0.2590	0.3305	Ave		0.2849				10.8		15.0			
	0.2587																
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3879	0.3708	0.4204	0.3551	0.3143	Ave		0.3629				10.7		15.0			
	0.3288																
Acetonitrile	0.0687	0.0644	0.0722	0.0617	0.0586	Ave		0.0648				7.6		15.0			
	0.0630																
3-Chloro-1-propene	0.1964	0.1808	0.1992	0.1678	0.1563	Ave		0.1778				9.8		15.0			
	0.1662																
Carbon disulfide	1.2978	1.2612	1.3249	1.1297	1.0464	Ave		1.1937				9.7		15.0			
	1.1022																
trans-1,2-Dichloroethene	0.4108	0.3787	0.4230	0.3438	0.3202	Ave		0.3691				11.3		15.0			
	0.3383																
Methyl tert-butyl ether	1.0695	0.9795	1.1151	0.9457	0.9462	Ave		0.9943				8.1		15.0			
	0.9096																
Propionitrile	0.0487	0.0440	0.0546	0.0406	0.0478	Ave		0.0460				11.9		15.0			
	0.0402																
1,1-Dichloroethane	0.7667	0.7134	0.7770	0.6361	0.6004	Ave		0.6892			0.1000	10.7		15.0			
	0.6416																
Vinyl acetate	0.6193	0.5933	0.7174	0.5682	0.6142	Ave		0.6133				9.1		15.0			
	0.5674																
2-Chloro-1,3-butadiene	0.7440	0.6682	0.7364	0.6076	0.5783	Ave		0.6570				10.8		15.0			
	0.6075																
Hexane	0.6637	0.5903	0.6458	0.5168	0.4998	Ave		0.5706				12.8		15.0			
	0.5073																
Isopropyl ether	1.4704	1.4129	1.5572	1.3170	1.2573	Ave		1.3827				8.5		15.0			
	1.2816																
2-Butanone (MEK)	0.0345	0.0285	0.0366	0.0318	0.0382	Ave		0.0328				13.3		15.0			
	0.0274																
Methacrylonitrile	0.0406	0.0385	0.0471	0.0384	0.0447	Ave		0.0409				10.1		15.0			
	0.0363																
cis-1,2-Dichloroethene	0.4443	0.4140	0.4453	0.3710	0.3466	Ave		0.3975				10.8		15.0			
	0.3640																
Ethyl acetate	0.3083	0.2940	0.3528	0.2912	0.3656	Ave		0.3097				14.2		15.0			
	0.2460																
Isobutyl alcohol	0.0247	0.0235	0.0282	0.0233	0.0292	Ave		0.0248				14.2		15.0			
	0.0197																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Bromochloromethane	0.2315	0.2264	0.2547	0.2094	0.2107	Ave		0.2237				8.0		15.0			
	0.2095																
Chloroform	0.8284	0.7843	0.8300	0.6893	0.6533	Ave		0.7445				10.6		30.0			
	0.6818																
Tert-butyl ethyl ether	1.3025	1.3499	1.4331	1.1867	1.1672	Ave		1.2694				8.6		15.0			
	1.1773																
2,2-Dichloropropane	0.4761	0.4207	0.4673	0.3777	0.3381	Ave		0.4039				14.9		15.0			
	0.3435																
Tetrahydrofuran	0.1223	0.1036	0.1363	0.1085	0.1355	Ave		0.1175				13.9		15.0			
	0.0985																
1,2-Dichloroethane	0.6194	0.5949	0.6655	0.5625	0.5817	Ave		0.5976				6.6		15.0			
	0.5615																
1,1,1-Trichloroethane	0.7017	0.6452	0.6862	0.5987	0.5528	Ave		0.6280				9.5		15.0			
	0.5832																
1,1-Dichloropropene	0.4947	0.4749	0.5128	0.4231	0.3874	Ave		0.4498				11.4		15.0			
	0.4058																
Methyl methacrylate	0.1986	0.1897	0.2177	0.1850	0.1715	Ave		0.1903				8.5		15.0			
	0.1793																
Cyclohexane	0.4725	0.4155	0.4531	0.3858	0.3501	Ave		0.4036				13.1		15.0			
	0.3448																
Carbon tetrachloride	0.6686	0.6019	0.6921	0.5966	0.5562	Ave		0.6188				8.2		15.0			
	0.5972																
Benzene	1.3253	1.2710	1.3623	1.1432	1.0773	Ave		1.2212				9.4		15.0			
	1.1482																
2-Nitropropane	0.2037	0.2016	0.2240	0.1939	0.1958	Ave		0.2019				5.8		15.0			
	0.1921																
Tert-amyl methyl ether	1.0240	0.9819	1.0973	0.9239	0.9361	Ave		0.9783				7.4		15.0			
	0.9067																
Isooctane	1.4223	1.2160	1.3673	1.0058	0.8303	Lin	-0.156	0.8034						15.0	0.9963		0.9900
	0.8354																
Ethyl acrylate	0.6508	0.6239	0.7384	0.5910	0.6642	Ave		0.6420				8.9		15.0			
	0.5835																
n-Heptane	0.7203	0.7082	0.7511	0.6226	0.5970	Ave		0.6719				9.3		15.0			
	0.6321																
Dibromomethane	0.2450	0.2374	0.2749	0.2185	0.2355	Ave		0.2389				8.4		15.0			
	0.2224																
1,2-Dichloropropane	0.3882	0.3760	0.4080	0.3348	0.3245	Ave		0.3609				9.5		30.0			
	0.3341																
Trichloroethene	0.5029	0.4484	0.5123	0.4210	0.3995	Ave		0.4490				10.8		15.0			
	0.4099																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
1,4-Dioxane	2.2880	1.9583	2.1273	1.7613	1.4856	Lin	-0.201	1.2884						15.0	0.9930		0.9900
	1.3168																
2-Chloroethyl vinyl ether	0.4640	0.4786	0.5393	0.4366	0.4754	Ave		0.4690				8.8		15.0			
	0.4200																
Methylcyclohexane	0.5849	0.5455	0.6059	0.5031	0.4472	Ave		0.5247				12.4		15.0			
	0.4615																
cis-1,3-Dichloropropene	1.3338	1.3324	1.4491	1.1999	1.1830	Ave		1.2791				8.6		15.0			
	1.1762																
4-Methyl-2-pentanone (MIBK)	0.3795	0.3462	0.4032	0.3385	0.4154	Ave		0.3702				9.2		15.0			
	0.3382																
trans-1,3-Dichloropropene	1.2382	1.1513	1.3153	1.0788	1.1174	Ave		1.1612				8.4		15.0			
	1.0660																
1,1,2-Trichloroethane	0.7809	0.7158	0.7990	0.6663	0.6878	Ave		0.7143				9.0		15.0			
	0.6361																
Bromodichloromethane	0.2666	0.2597	0.2844	0.2334	0.2509	Ave		0.2545				7.9		15.0			
	0.2320																
Ethyl methacrylate	0.9228	0.8778	0.9380	0.7917	0.8634	Ave		0.8611				7.8		15.0			
	0.7732																
Toluene	2.0798	1.9059	2.0516	1.6940	1.5932	Ave		1.8254				11.8		30.0			
	1.6277																
1,3-Dichloropropane	1.1767	1.1105	1.2318	1.0183	1.0251	Ave		1.0879				9.5		15.0			
	0.9651																
2-Hexanone	0.6182	0.5715	0.6917	0.5625	0.6908	Ave		0.6093				11.6		15.0			
	0.5211																
Chlorodibromomethane	1.1348	1.1027	1.2053	1.0333	1.0459	Ave		1.0889				6.7		15.0			
	1.0116																
n-Butyl acetate	1.5442	1.3464	1.4784	1.2127	1.3546	Ave		1.3493				11.0		15.0			
	1.1597																
1,2-Dibromoethane	0.9086	0.8510	0.9100	0.7729	0.8056	Ave		0.8297				8.8		15.0			
	0.7301																
Tetrachloroethene	1.0490	1.0115	1.0877	0.9537	0.9355	Ave		0.9889				7.4		15.0			
	0.8959																
1-Chlorohexane	0.9920	0.9311	0.9308	0.7814	0.7469	Ave		0.8452				14.4		15.0			
	0.6889																
1,1,1,2-Tetrachloroethane	1.0900	1.0502	1.1448	0.9856	0.9195	Ave		1.0204				8.8		15.0			
	0.9325																
Chlorobenzene	2.5858	2.4536	2.6338	2.2066	2.1479	Ave		2.3628			0.3000	9.4		15.0			
	2.1493																
Ethylbenzene	1.3600	1.2528	1.3586	1.1079	1.0597	Ave		1.1940				12.5		30.0			
	1.0249																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	1.6558 1.2609	1.5632	1.6244	1.3850	1.3155	Ave		1.4675				11.5		15.0			
Bromoform	0.6492 0.6506	0.5792	0.6474	0.5648	0.6005	Ave		0.6153			0.1000	6.3		15.0			
Styrene	2.4877 2.0879	2.4009	2.5359	2.1192	2.1293	Ave		2.2935				8.9		15.0			
1,1,2,2-Tetrachloroethane	1.0204 0.8313	0.9472	1.0485	0.8675	0.9654	Ave		0.9467			0.3000	8.9		15.0			
o-Xylene	1.6828 1.2533	1.5304	1.6220	1.3716	1.3056	Ave		1.4610				12.1		15.0			
trans-1,4-Dichloro-2-butene	0.2745 0.2844	0.2580	0.2927	0.2539	0.2822	Ave		0.2743				5.6		15.0			
1,2,3-Trichloropropane	0.2798 0.2634	0.2479	0.3054	0.2404	0.2633	Ave		0.2667				8.8		15.0			
Isopropylbenzene	3.5873 2.9767	3.4064	3.6761	3.0611	2.7550	Ave		3.2438				11.3		15.0			
Bromobenzene	1.1289 1.0171	1.0496	1.1447	0.9283	0.8881	Ave		1.0261				10.1		15.0			
N-Propylbenzene	1.0101 0.8678	1.0431	1.0727	0.8801	0.8342	Ave		0.9513				10.8		15.0			
2-Chlorotoluene	1.0205 0.8525	0.9412	1.0142	0.8434	0.7736	Ave		0.9076				11.1		15.0			
4-Chlorotoluene	2.7846 2.3826	2.6628	2.8591	2.2861	2.1762	Ave		2.5252				11.2		15.0			
1,3,5-Trimethylbenzene	3.0135 2.5578	2.9853	3.2507	2.6717	2.4497	Ave		2.8214				11.0		15.0			
Pentachloroethane	0.4656 0.3859	0.4849	0.5093	0.3688	0.3040	Qua	-0.189	3.7888	-0.691					15.0	0.9938		0.9900
tert-Butylbenzene	2.9459 2.3680	2.8070	3.0586	2.4683	2.2892	Ave		2.6562				12.2		15.0			
1,2,4-Trimethylbenzene	3.2929 2.7727	3.1709	3.3837	2.8016	2.6249	Ave		3.0078				10.4		15.0			
sec-Butylbenzene	3.9785 3.1335	3.7434	4.0827	3.3040	3.0804	Ave		3.5537				12.3		15.0			
Benzyl chloride	1.7939 1.7806	1.6496	1.8468	1.6045	1.7251	Ave		1.7334				5.3		15.0			
1,3-Dichlorobenzene	2.1067 1.8469	1.9856	2.2619	1.8193	1.7491	Ave		1.9616				9.9		15.0			
1,4-Dichlorobenzene	2.1855 1.8555	2.0432	2.2373	1.7981	1.7497	Ave		1.9782				10.5		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
4-Isopropyltoluene	3.8397	3.6389	3.9101	3.1428	3.0169	Ave		3.4320				12.0		15.0			
	3.0436																
1,2,3-Trimethylbenzene	3.4804	3.2793	3.6081	3.0124	2.8124	Ave		3.1917				9.9		15.0			
	2.9576																
1,2-Dichlorobenzene	2.0408	1.9679	2.1780	1.7737	1.7154	Ave		1.9132				9.4		15.0			
	1.8033																
n-Butylbenzene	3.2296	2.9233	3.2129	2.5510	2.5442	Ave		2.8341				11.8		15.0			
	2.5437																
1,2-Dibromo-3-Chloropropane	0.2404	0.1937	0.2441	0.1981	0.2241	Ave		0.2182				9.8		15.0			
	0.2090																
1,3,5-Trichlorobenzene	1.5908	1.5172	1.6764	1.3097	1.3216	Ave		1.4617				10.6		15.0			
	1.3545																
1,2,4-Trichlorobenzene	1.4533	1.2781	1.4885	1.2109	1.1948	Ave		1.3065				10.0		15.0			
	1.2135																
Naphthalene	3.6521	2.9260	3.4312	2.8794	2.8482	Ave		3.0714				12.3		15.0			
	2.6917																
Hexachlorobutadiene	0.4251	0.3474	0.3924	0.2828	0.3008	Lin1	-0.038	0.3065						15.0	0.9944		0.9900
	0.3168																
1,2,3-Trichlorobenzene	1.3555	1.1594	1.3728	1.1120	1.0303	Ave		1.1853				12.2		15.0			
	1.0820																
Dibromofluoromethane	0.4147	0.4103	0.4597	0.3740	0.3604	Ave		0.3994				9.1		15.0			
	0.3775																
1,2-Dichloroethane-d4 (Surr)	0.4737	0.4410	0.4869	0.4193	0.4305	Ave		0.4410				7.8		15.0			
	0.3945																
Toluene-d8 (Surr)	2.9945	2.8276	3.0120	2.5066	2.3494	Ave		2.6830				11.1		15.0			
	2.4079																
4-Bromofluorobenzene	1.0965	1.0804	1.1021	0.9152	0.8808	Ave		1.0131				9.5		15.0			
	1.0037																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120849/2	L32202.D
Level 2	IC 600-120849/3	L32203.D
Level 3	IC 600-120849/4	L32204.D
Level 4	ICIS 600-120849/5	L32205.D
Level 5	IC 600-120849/6	L32206.D
Level 6	IC 600-120849/7	L32207.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	8778 334482	15039	29993	90889	171856	5.00 200	10.0	20.0	50.0	100
Chloromethane	FB	Ave	9767 352887	15973	33015	96278	184541	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	FB	Ave	7625 263469	13163	25461	74736	139565	5.00 200	10.0	20.0	50.0	100
Butadiene	FB	Ave	4612 204855	8950	20374	60886	110591	5.00 200	10.0	20.0	50.0	100
Ethylene oxide	FB	Qua	15741 411212	28877	74502	156736	293942	100 4000	200	400	1000	2000
Bromomethane	FB	Ave	4998 194097	9296	17780	53121	101430	5.00 200	10.0	20.0	50.0	100
Chloroethane	FB	Ave	3984 141907	6950	13487	41342	75910	5.00 200	10.0	20.0	50.0	100
Dichlorofluoromethane	FB	Ave	10138 404297	18927	38297	114274	213756	5.00 200	10.0	20.0	50.0	100
Acrolein	FB	Ave	2270 73091	4093	9879	19731	47030	25.0 1000	50.0	100	250	500
Trichlorofluoromethane	FB	Ave	10899 426879	20578	34577	119093	220190	5.00 200	10.0	20.0	50.0	100
Propionaldehyde	FB	Qua	1835 32388	2278	4580	9442	22204	50.0 2000	100	200	500	1000
Acetone	FB	Lin1	3847 +++++	6300	13444	26345	61614	10.0 +++++	20.0	40.0	100	200
Ethyl ether	FB	Ave	5587 172129	10675	22000	44857	92273	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethene	FB	Ave	7037 221544	13798	27308	55481	109245	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	FB	Ave	17893 588516	31168	78253	154635	394331	50.0 2000	100	200	500	1000
Iodomethane	FB	Ave	14777 484925	28144	56717	124631	238025	5.00 200	10.0	20.0	50.0	100

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	None	15706 249176	20248	35885	68058	128301	5.00 200	10.0	20.0	50.0	100
Methyl acetate	FB	Ave	24985 834648	45066	102317	211345	549181	25.0 1000	50.0	100	250	500
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	6791 212143	12721	27507	57960	104459	5.00 200	10.0	20.0	50.0	100
Acetonitrile	FB	Ave	12033 406312	22105	47246	100756	194892	50.0 2000	100	200	500	1000
3-Chloro-1-propene	FB	Ave	3438 107224	6201	13033	27382	51943	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	FB	Ave	22721 711077	43265	86679	184389	347785	5.00 200	10.0	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	7193 218277	12990	27673	56114	106433	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	18725 586799	33601	72953	154355	314467	5.00 200	10.0	20.0	50.0	100
Propionitrile	FB	Ave	8530 259640	15111	35693	66346	158786	50.0 2000	100	200	500	1000
1,1-Dichloroethane	FB	Ave	13424 413940	24474	50835	103815	199559	5.00 200	10.0	20.0	50.0	100
Vinyl acetate	FB	Ave	21686 732108	40704	93876	185468	408246	10.0 400	20.0	40.0	100	200
2-Chloro-1,3-butadiene	FB	Ave	13026 391910	22922	48178	99164	192205	5.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	11620 327272	20249	42252	84347	166098	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	FB	Ave	25744 826800	48467	101880	214966	417862	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	1208 35347	1956	4784	10382	25390	10.0 400	20.0	40.0	100	200
Methacrylonitrile	FB	Ave	7107 234081	13219	30790	62632	148468	50.0 2000	100	200	500	1000
cis-1,2-Dichloroethene	FB	Ave	7778 234809	14201	29136	60550	115191	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	10796 317469	20172	46160	95061	242989	10.0 400	20.0	40.0	100	200
Isobutyl alcohol	FB	Ave	10796 317469	20172	46160	95061	242989	125 5000	250	500	1250	2500
Bromochloromethane	FB	Ave	4053 135182	7767	16662	34175	70025	5.00 200	10.0	20.0	50.0	100
Chloroform	FB	Ave	14504 439889	26904	54303	112502	217113	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-butyl ethyl ether	FB	Ave	22803 759552	46307	93760	193683	387912	5.00 200	10.0	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	8335 221616	14432	30573	61654	112362	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	FB	Ave	4282 127092	7111	17832	35411	90086	10.0 400	20.0	40.0	100	200
1,2-Dichloroethane	FB	Ave	10845 362243	20408	43542	91803	193335	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	12286 376233	22132	44896	97721	183728	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	FB	Ave	8661 261805	16291	33552	69061	128745	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	FB	Ave	6955 231350	13018	28486	60392	113983	10.0 400	20.0	40.0	100	200
Cyclohexane	FB	Ave	8272 222440	14253	29642	62974	116368	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	FB	Ave	11706 385275	20646	45280	97380	184846	5.00 200	10.0	20.0	50.0	100
Benzene	FB	Ave	23203 740790	43599	89132	186593	358058	5.00 200	10.0	20.0	50.0	100
2-Nitropropane	FB	Ave	7134 247842	13829	29315	63306	130178	10.0 400	20.0	40.0	100	200
Tert-amyl methyl ether	FB	Ave	17928 584972	33682	71793	150805	311110	5.00 200	10.0	20.0	50.0	100
Isooctane	FB	Lin	24902 538946	41714	89458	164162	275941	5.00 200	10.0	20.0	50.0	100
Ethyl acrylate	FB	Ave	11394 376435	21404	48313	96459	220742	5.00 200	10.0	20.0	50.0	100
n-Heptane	FB	Ave	12610 407828	24294	49144	101624	198418	5.00 200	10.0	20.0	50.0	100
Dibromomethane	FB	Ave	4290 143480	8143	17985	35668	78258	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	FB	Ave	6796 215561	12897	26694	54645	107834	5.00 200	10.0	20.0	50.0	100
Trichloroethene	FB	Ave	8804 264415	15382	33517	68713	132762	5.00 200	10.0	20.0	50.0	100
1,4-Dioxane	DXE	Lin	642 16244	940	2363	4442	11935	100 4000	200	400	1000	2000
2-Chloroethyl vinyl ether	CBZ	Ave	6798 247909	14209	30870	62013	141921	10.0 400	20.0	40.0	100	200
Methylcyclohexane	FB	Ave	10240 297704	18713	39642	82116	148637	5.00 200	10.0	20.0	50.0	100

F. VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	CBZ	Ave	9771 347086	19780	41476	85217	176594	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	FB	Ave	13287 436330	23750	52763	110496	276137	10.0 400	20.0	40.0	100	200
trans-1,3-Dichloropropene	CBZ	Ave	9071 314562	17091	37646	76617	166796	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	5721 187703	10626	22868	47319	102677	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	FB	Ave	4668 149690	8910	18604	38088	83379	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	6760 228170	13031	26847	56227	128882	5.00 200	10.0	20.0	50.0	100
Toluene	CBZ	Ave	15236 480314	28293	58720	120303	237831	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	8620 284789	16485	35255	72316	153026	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	9058 307530	16967	39594	79896	206232	10.0 400	20.0	40.0	100	200
Chlorodibromomethane	CBZ	Ave	8313 298510	16370	34498	73381	156127	5.00 200	10.0	20.0	50.0	100
n-Butyl acetate	CBZ	Ave	11312 342210	19988	42315	86125	202206	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	6656 215464	12633	26046	54889	120255	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	7685 264383	15016	31132	67730	139643	5.00 200	10.0	20.0	50.0	100
1-Chlorohexane	CBZ	Ave	7267 203301	13822	26640	55492	111489	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	7985 275166	15590	32767	69997	137256	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	18943 634259	36423	75384	156712	320628	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	9963 302451	18598	38884	78683	158189	5.00 200	10.0	20.0	50.0	100
m-Xylene & p-Xylene	CBZ	Ave	12130 372090	23205	46493	98359	196373	5.00 200	10.0	20.0	50.0	100
Bromoform	DCB	Ave	5309 190663	9382	20514	45363	105024	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	18224 616141	35642	72582	150502	317859	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	CBZ	Ave	7475 245319	14061	30010	61607	144106	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
o-Xylene	CBZ	Ave	12328 369852	22719	46425	97410	194897	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	2245 83351	4179	9274	20396	49353	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	2288 77193	4015	9678	19307	46040	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	29334 872398	55177	116478	245876	481828	5.00 200	10.0	20.0	50.0	100
Bromobenzene	DCB	Ave	9231 298093	17002	36272	74560	155314	5.00 200	10.0	20.0	50.0	100
N-Propylbenzene	DCB	Ave	8260 254333	16897	33990	70689	145895	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	8345 249832	15245	32135	67743	135302	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	22770 698288	43132	90593	183628	380598	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	24642 749633	48356	103000	214593	428422	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Qua	3807 113102	7854	16136	29620	53159	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	24089 693993	45468	96915	198261	400350	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	26927 812594	51363	107213	225033	459067	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	32533 918354	60636	129362	265386	538725	5.00 200	10.0	20.0	50.0	100
Benzyl chloride	DCB	Ave	14669 521836	26720	58516	128878	301706	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	17227 541277	32163	71669	146131	305901	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	17871 543783	33096	70890	144430	306006	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	31398 892000	58943	123894	252439	527623	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	28460 866796	53119	114326	241960	491865	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	16688 528508	31877	69011	142466	300002	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	26409 745496	47352	101803	204904	444962	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	1966 61251	3137	7735	15913	39193	5.00 200	10.0	20.0	50.0	100

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120849

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/18/2013 15:40 Calibration End Date: 11/18/2013 17:40 Calibration ID: 2600

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCB	Ave	13008 396963	24576	53117	105201	231138	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	11884 355650	20703	47164	97259	208952	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Ave	29864 788856	47396	108720	231278	498122	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Lin1	3476 92833	5628	12432	22712	52601	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	11084 317095	18780	43497	89318	180183	5.00 200	10.0	20.0	50.0	100
Dibromofluoromethane	FB	Ave	7261 243519	14074	30078	61045	119791	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	8293 254521	15127	31856	68434	143068	5.00 200	10.0	20.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave	21937 710548	41976	86209	178018	350716	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene	DCB	Ave	8966 294161	17501	34920	73513	154040	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
None = No Calib Curve
Qua = Quadratic ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121357/2	k32802.D
Level 2	IC 600-121357/3	k32803.D
Level 3	IC 600-121357/4	k32804.D
Level 4	ICIS 600-121357/5	k32805.D
Level 5	IC 600-121357/6	k32806.D
Level 6	IC 600-121357/7	k32807.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Dichlorodifluoromethane	0.1766	0.1466	0.1587	0.1431	0.1374	Ave		0.1485				11.5		15.0			
	0.1285																
Chloromethane	0.4837	0.4252	0.4350	0.3972	0.3710	Ave		0.4123			0.1000	11.0		15.0			
	0.3618																
Vinyl chloride	0.4523	0.4126	0.4006	0.3925	0.3678	Ave		0.3978				8.3		30.0			
	0.3613																
Butadiene	0.3905	0.3658	0.3585	0.3382	0.3310	Ave		0.3512				7.2		15.0			
	0.3235																
Ethylene oxide	0.1546	0.1050	0.1220	0.0920	0.1044	Lin1	-0.850	0.0996						15.0	0.9952		0.9900
	0.1008																
Bromomethane	0.3287	0.2667	0.2860	0.2646	0.2575	Ave		0.2753				10.5		15.0			
	0.2483																
Chloroethane	0.2839	0.2566	0.2685	0.2540	0.2401	Ave		0.2566				6.9		15.0			
	0.2362																
Alcohol	0.0082	0.0070	0.0076	0.0053	0.0055	Lin	-1.440	0.0057						15.0	0.9971		0.9900
	0.0058																
Dichlorofluoromethane	0.8186	0.7485	0.8006	0.7449	0.7034	Ave		0.7462				7.9		15.0			
	0.6609																
Acrolein	0.0366	0.0302	0.0335	0.0278	0.0292	Ave		0.0314				10.2		15.0			
	0.0312																
Trichlorofluoromethane	0.5980	0.5461	0.5501	0.5195	0.4979	Ave		0.5306				8.3		15.0			
	0.4721																
Isopropyl alcohol	0.0465	0.0345	0.0363	0.0284	0.0302	Lin	0.5952	0.0347						15.0	0.9926		0.9900
	0.0351																
Propionaldehyde	0.0171	0.0128	0.0117	0.0073	0.0069	Lin1	-1.855	0.0066						15.0	0.9910		0.9900
	0.0068																
Acetone	0.2583	0.1734	0.1509	0.0948	0.0983	Lin1	-0.387	0.0895						15.0	0.9940		0.9900
	0.0944																
Ethyl ether	0.4015	0.4101	0.4174	0.3602	0.3650	Ave		0.3846				7.3		15.0			
	0.3533																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
2-Methyl-2-propanol	0.0767	0.0609	0.0663	0.0490	0.0540	Lin1	-0.201	0.0576						15.0	0.9903		0.9900
	0.0609																
1,1-Dichloroethene	0.4669	0.5196	0.4733	0.4280	0.4080	Ave		0.4435				12.3		30.0			
	0.3653																
Acrylonitrile	0.1579	0.1448	0.1577	0.1189	0.1290	Ave		0.1404				11.3		15.0			
	0.1340																
Iodomethane	0.8690	1.0282	0.9685	0.8420	0.8301	Ave		0.8831				11.1		15.0			
	0.7610																
Methylene Chloride	0.8387	0.8277	0.6903	0.5478	0.5242	None	-0.112	0.4805							0.9940		
	0.4723																
Methyl acetate	0.4071	0.3659	0.4012	0.3034	0.3248	Ave		0.3570				11.7		15.0			
	0.3395																
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3948	0.4251	0.3970	0.3513	0.3338	Ave		0.3671				12.6		15.0			
	0.3008																
3-Chloro-1-propene	0.2694	0.2942	0.2866	0.2540	0.2507	Ave		0.2625				10.3		15.0			
	0.2200																
Acetonitrile	0.0841	0.1005	0.0912	0.0809	0.0784	Ave		0.0843				12.4		15.0			
	0.0704																
Carbon disulfide	1.7914	1.9075	1.7853	1.5363	1.4933	Ave		1.6421				13.3		15.0			
	1.3387																
trans-1,2-Dichloroethene	0.5114	0.5841	0.5443	0.4595	0.4487	Ave		0.4917				13.7		15.0			
	0.4024																
Methyl tert-butyl ether	1.3598	1.3345	1.3604	1.1576	1.2140	Ave		1.2601				8.2		15.0			
	1.1345																
Propionitrile	0.0833	0.0709	0.0784	0.0568	0.0614	Ave		0.0697				14.4		15.0			
	0.0674																
1,1-Dichloroethane	1.0072	1.1038	1.0366	0.9027	0.9009	Ave		0.9598			0.1000	11.3		15.0			
	0.8077																
Vinyl acetate	0.6490	0.6678	0.7041	0.5963	0.5967	Ave		0.6513				7.2		15.0			
	0.6940																
2-Chloro-1,3-butadiene	0.7592	0.8380	0.8052	0.7106	0.7088	Ave		0.7423				10.0		15.0			
	0.6322																
Hexane	0.6943	0.7585	0.7140	0.6550	0.6507	Ave		0.6774				8.5		15.0			
	0.5921																
Isopropyl ether	1.8439	2.1608	2.1113	1.8329	1.8344	Ave		1.9113				9.7		15.0			
	1.6845																
Methacrylonitrile	0.0556	0.0547	0.0613	0.0497	0.0516	Ave		0.0543				7.4		15.0			
	0.0531																
cis-1,2-Dichloroethene	0.6149	0.6262	0.5817	0.5235	0.5095	Ave		0.5540				11.4		15.0			
	0.4682																

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	0.3701 0.3608	0.3094	0.3844	0.3100	0.3332	Ave		0.3447				9.2		15.0			
Bromochloromethane	0.2843 0.2421	0.2995	0.2908	0.2536	0.2498	Ave		0.2700				9.0		15.0			
Chloroform	0.9575 0.7614	1.0282	0.9772	0.8506	0.8469	Ave		0.9036				11.1		30.0			
Tert-butyl ethyl ether	1.7629 1.4780	1.9145	1.8753	1.6459	1.5835	Ave		1.7100				10.0		15.0			
Isobutyl alcohol	0.0378 0.0344	0.0348	0.0421	0.0306	0.0315	Ave		0.0352				12.0		15.0			
2,2-Dichloropropane	0.5474 0.3768	0.6296	0.5849	0.4850	0.4619	Qua	0.0149	1.5262	0.7363					15.0	0.9992		0.9900
Tetrahydrofuran	0.1774 0.1456	0.1492	0.1565	0.1286	0.1388	Ave		0.1494				11.2		15.0			
2-Butanone (MEK)	0.0709 0.0510	0.0512	0.0629	0.0477	0.0494	Lin1	-0.071	0.0498						15.0	0.9956		0.9900
1,2-Dichloroethane	0.5961 0.5367	0.6179	0.6247	0.5515	0.5516	Ave		0.5798				6.5		15.0			
1,1,1-Trichloroethane	0.6715 0.5413	0.7599	0.7308	0.6341	0.6183	Ave		0.6593				12.1		15.0			
1,1-Dichloropropene	0.5846 0.4853	0.6215	0.5872	0.5440	0.5374	Ave		0.5600				8.6		15.0			
Methyl methacrylate	0.2590 0.2056	0.2887	0.2699	0.2406	0.2354	Ave		0.2499				11.7		15.0			
Cyclohexane	0.7175 0.5400	0.7538	0.6979	0.6242	0.6160	Ave		0.6582				12.0		15.0			
Carbon tetrachloride	0.6094 0.4884	0.6397	0.6224	0.5510	0.5512	Ave		0.5770				9.9		15.0			
Benzene	1.6477 1.5052	1.8444	1.7642	1.5864	1.5997	Ave		1.6579				7.5		15.0			
2-Nitropropane	0.2673 0.2337	0.2918	0.2895	0.2509	0.2431	Ave		0.2627				9.2		15.0			
Tert-amyl methyl ether	1.4161 1.2549	1.4648	1.4544	1.3297	1.3214	Ave		1.3736				6.1		15.0			
Isooctane	2.0077 1.6969	2.2534	2.0847	1.8495	1.8645	Ave		1.9594				10.1		15.0			
Ethyl acrylate	0.7107 0.6495	0.6566	0.7315	0.6211	0.6378	Ave		0.6679				6.5		15.0			
n-Heptane	0.6328 0.5855	0.7415	0.7155	0.6459	0.6498	Ave		0.6618				8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Dibromomethane	0.2912	0.2881	0.2967	0.2634	0.2695	Ave		0.2790				5.3		15.0			
	0.2649																
1,2-Dichloropropane	0.4741	0.5003	0.4985	0.4571	0.4760	Ave		0.4777				3.8		30.0			
	0.4602																
Trichloroethene	0.4536	0.5214	0.4841	0.4595	0.4679	Ave		0.4718				5.9		15.0			
	0.4444																
1,4-Dioxane	1.8639	1.4900	1.6181	1.5933	1.6839	Ave		1.6186				9.0		15.0			
	1.4624																
2-Chloroethyl vinyl ether	0.5439	0.5330	0.5554	0.4897	0.5373	Ave		0.5285				4.5		15.0			
	0.5115																
Methylcyclohexane	0.7934	0.8729	0.8291	0.7241	0.7296	Ave		0.7661				10.6		15.0			
	0.6478																
cis-1,3-Dichloropropene	1.2711	1.3701	1.4458	1.4155	1.5394	Ave		1.4067				6.3		15.0			
	1.3984																
4-Methyl-2-pentanone (MIBK)	0.5092	0.4408	0.5208	0.4256	0.4367	Ave		0.4641				8.7		15.0			
	0.4517																
trans-1,3-Dichloropropene	1.2065	1.1257	1.2062	1.0815	1.1806	Ave		1.1501				4.8		15.0			
	1.1004																
1,1,2-Trichloroethane	0.8429	0.7926	0.8438	0.7423	0.8138	Ave		0.7963				5.8		15.0			
	0.7426																
Bromodichloromethane	0.2708	0.3155	0.3028	0.2861	0.2830	Ave		0.2912				5.4		15.0			
	0.2890																
Ethyl methacrylate	1.1676	1.1509	1.2374	1.0217	1.1020	Ave		1.1139				8.1		15.0			
	1.0040																
Toluene	2.0598	2.2847	2.1465	2.1074	2.2243	Ave		2.1256				5.9		30.0			
	1.9312																
1,3-Dichloropropane	1.2879	1.2698	1.3076	1.1943	1.2723	Ave		1.2542				3.9		15.0			
	1.1933																
2-Hexanone	0.9772	0.6709	0.9346	0.6821	0.7403	Lin1	-0.064	0.7125						15.0	0.9933		0.9900
	0.7065																
Chlorodibromomethane	0.9660	1.0234	1.0377	0.9625	1.0567	Ave		1.0050				3.9		15.0			
	0.9838																
n-Butyl acetate	2.5371	1.6732	1.8880	1.4538	1.5065	Lin1	-0.076	1.4020						15.0	0.9960		0.9900
	1.3974																
1,2-Dibromoethane	0.8657	0.8738	0.9173	0.8382	0.8865	Ave		0.8679				3.8		15.0			
	0.8261																
Tetrachloroethene	0.8028	1.0345	0.9882	0.9418	1.0563	Ave		0.9234				14.7		15.0			
	0.7170																
1-Chlorohexane	0.9493	1.0845	0.9694	0.9050	0.9139	Ave		0.9306				11.3		15.0			
	0.7615																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	1.1604 1.0594	1.2659	1.2317	1.1381	1.2156	Ave		1.1785				6.3		15.0			
Chlorobenzene	2.6489 2.4875	2.8808	2.7450	2.5792	2.7559	Ave		2.6829			0.3000	5.2		15.0			
Ethylbenzene	1.4647 1.2427	1.4956	1.5081	1.3801	1.4497	Ave		1.4235				7.0		30.0			
m-Xylene & p-Xylene	1.7945 1.5416	1.9709	1.8857	1.7013	1.7977	Ave		1.7819				8.4		15.0			
Bromoform	0.4535 0.5246	0.4620	0.5006	0.4981	0.5268	Ave		0.4943			0.1000	6.2		15.0			
Styrene	2.9118 2.6373	3.0978	2.9287	2.7358	2.8941	Ave		2.8676				5.6		15.0			
Cyclohexanone	0.0611 0.0474	0.0486	0.0555	0.0428	0.0474	Ave		0.0505				13.2		15.0			
1,1,2,2-Tetrachloroethane	1.7702 1.4211	1.6176	1.7304	1.4529	1.5620	Ave		1.5924			0.3000	8.9		15.0			
o-Xylene	2.0753 1.7163	2.1664	2.0333	1.8625	1.9772	Ave		1.9718				8.2		15.0			
trans-1,4-Dichloro-2-butene	0.2871 0.2742	0.2626	0.2949	0.2755	0.2727	Ave		0.2778				4.1		15.0			
1,2,3-Trichloropropane	0.2934 0.2495	0.2751	0.2915	0.2615	0.2625	Ave		0.2722				6.5		15.0			
Isopropylbenzene	3.4654 3.3348	3.9939	3.7877	3.7763	3.8034	Ave		3.6936				6.6		15.0			
Bromobenzene	0.9487 0.9421	1.0588	0.9827	0.9867	1.0131	Ave		0.9887				4.4		15.0			
N-Propylbenzene	0.9747 0.9598	1.1859	1.0519	1.0775	1.0625	Ave		1.0521				7.7		15.0			
2-Chlorotoluene	1.0077 0.9416	1.1248	1.0486	1.0214	1.0428	Ave		1.0311				5.8		15.0			
4-Chlorotoluene	2.7559 2.6123	3.1487	2.8685	2.8325	2.8666	Ave		2.8474				6.2		15.0			
1,3,5-Trimethylbenzene	2.9954 3.0612	3.5182	3.3338	3.3287	3.3733	Ave		3.2684				6.1		15.0			
Pentachloroethane	0.4336 0.5379	0.4045	0.3961	0.3725	0.3321	Qua	-0.106	3.5608	-0.767					15.0	0.9979		0.9900
tert-Butylbenzene	2.6484 2.7363	3.0324	2.9050	2.9395	3.0090	Ave		2.8784				5.3		15.0			
1,2,4-Trimethylbenzene	3.2791 3.3092	3.7583	3.6390	3.6178	3.6090	Ave		3.5354				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	4.1761 4.1501	4.8703	4.5935	4.5757	4.6315	Ave		4.4995				6.3		15.0			
Benzyl chloride	1.6974 2.0201	1.7005	1.8717	1.8266	1.9753	Ave		1.8486				7.3		15.0			
1,3-Dichlorobenzene	2.1359 2.0585	2.3856	2.2261	2.1769	2.2226	Ave		2.2009				5.0		15.0			
1,4-Dichlorobenzene	2.1841 2.1454	2.4615	2.3040	2.1951	2.2713	Ave		2.2602				5.1		15.0			
4-Isopropyltoluene	3.7797 3.7705	4.2957	4.1122	3.9839	4.1194	Ave		4.0102				5.2		15.0			
1,2,3-Trimethylbenzene	3.7625 3.7300	4.2415	4.1034	3.9024	4.0774	Ave		3.9695				5.1		15.0			
1,2-Dichlorobenzene	2.1570 2.1111	2.4417	2.2790	2.1991	2.2528	Ave		2.2401				5.2		15.0			
n-Butylbenzene	3.9295 3.6147	4.2528	4.0829	3.9646	4.0231	Ave		3.9779				5.3		15.0			
1,2-Dibromo-3-Chloropropane	0.2329 0.2415	0.2043	0.2286	0.2201	0.2344	Ave		0.2270				5.8		15.0			
1,3,5-Trichlorobenzene	1.7680 1.6334	1.9242	1.8258	1.7854	1.8030	Ave		1.7900				5.3		15.0			
1,2,4-Trichlorobenzene	1.6392 1.4584	1.6815	1.6517	1.5722	1.5685	Ave		1.5953				5.1		15.0			
Naphthalene	4.0576 3.4081	3.6954	3.7248	3.4390	3.5566	Ave		3.6469				6.6		15.0			
Hexachlorobutadiene	0.3656 0.3072	0.4017	0.3710	0.3553	0.3471	Ave		0.3580				8.7		15.0			
1,2,3-Trichlorobenzene	1.4914 1.2803	1.5043	1.4594	1.3707	1.3733	Ave		1.4132				6.1		15.0			
Dibromofluoromethane	0.4705 0.4055	0.5175	0.4995	0.4421	0.4525	Ave		0.4646				8.7		15.0			
1,2-Dichloroethane-d4 (Surr)	0.4308 0.4005	0.4695	0.4691	0.4079	0.4125	Ave		0.4317				7.1		15.0			
Toluene-d8 (Surr)	2.9826 2.7501	3.2235	3.2253	3.0093	3.2057	Ave		3.0661				6.2		15.0			
4-Bromofluorobenzene	1.0282 0.9944	1.1673	1.0685	1.0640	1.0680	Ave		1.0651				5.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-121357/2	k32802.D
Level 2	IC 600-121357/3	k32803.D
Level 3	IC 600-121357/4	k32804.D
Level 4	ICIS 600-121357/5	k32805.D
Level 5	IC 600-121357/6	k32806.D
Level 6	IC 600-121357/7	k32807.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3781 140380	6335	13890	33911	69577	5.00 200	10.0	20.0	50.0	100
Chloromethane	FB	Ave	10355 395172	18371	38073	94128	187886	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	FB	Ave	9682 394674	17824	35064	93016	186277	5.00 200	10.0	20.0	50.0	100
Butadiene	FB	Ave	8360 353331	15805	31382	80142	167609	5.00 200	10.0	20.0	50.0	100
Ethylene oxide	FB	Lin1	66203 2202179	90719	213597	435893	1057277	100 4000	200	400	1000	2000
Bromomethane	FB	Ave	7037 271241	11522	25031	62705	130423	5.00 200	10.0	20.0	50.0	100
Chloroethane	FB	Ave	6078 257994	11087	23502	60207	121569	5.00 200	10.0	20.0	50.0	100
Alcohol	FB	Lin	8779 317734	15065	33426	63289	139486	250 10000	500	1000	2500	5000
Dichlorofluoromethane	FB	Ave	17525 721955	32338	70076	176535	356220	5.00 200	10.0	20.0	50.0	100
Acrolein	FB	Ave	3921 170360	6533	14655	32915	74025	25.0 1000	50.0	100	250	500
Trichlorofluoromethane	FB	Ave	12802 515716	23594	48152	123116	252143	5.00 200	10.0	20.0	50.0	100
Isopropyl alcohol	FB	Lin	9946 383177	14889	31772	67211	152858	50.0 2000	100	200	500	1000
Propionaldehyde	FB	Lin1	3671 74564	5551	10200	17400	34989	50.0 2000	100	200	500	1000
Acetone	FB	Lin1	11059 206194	14985	26411	44911	99514	10.0 400	20.0	40.0	100	200
Ethyl ether	FB	Ave	8596 385876	17718	36532	85375	184846	5.00 200	10.0	20.0	50.0	100
2-Methyl-2-propanol	FB	Lin1	16419 665426	26293	57998	116053	273535	50.0 2000	100	200	500	1000

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	9995 398996	22448	41425	101445	206615	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	FB	Ave	33799 1463945	62573	137997	281742	653415	50.0 2000	100	200	500	1000
Iodomethane	FB	Ave	18604 831207	44422	84777	199542	420395	5.00 200	10.0	20.0	50.0	100
Methylene Chloride	FB	None	17955 515873	35757	60426	129830	265466	5.00 200	10.0	20.0	50.0	100
Methyl acetate	FB	Ave	43576 1854223	79033	175590	359482	822433	25.0 1000	50.0	100	250	500
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	8452 328612	18364	34748	83248	169042	5.00 200	10.0	20.0	50.0	100
3-Chloro-1-propene	FB	Ave	5768 240289	12712	25088	60201	126958	5.00 200	10.0	20.0	50.0	100
Acetonitrile	FB	Ave	18005 769416	43434	79866	191834	396967	50.0 2000	100	200	500	1000
Carbon disulfide	FB	Ave	38350 1462220	82411	156271	364086	756225	5.00 200	10.0	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	10948 439507	25233	47644	108893	227243	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	29110 1239190	57654	119078	274351	614801	5.00 200	10.0	20.0	50.0	100
Propionitrile	FB	Ave	17824 736349	30629	68605	134547	310783	50.0 2000	100	200	500	1000
1,1-Dichloroethane	FB	Ave	21562 882305	47687	90739	213942	456252	5.00 200	10.0	20.0	50.0	100
Vinyl acetate	FB	Ave	27787 1516058	57702	123267	282623	604312	10.0 400	20.0	40.0	100	200
2-Chloro-1,3-butadiene	FB	Ave	16253 690527	36203	70483	168413	358972	5.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	14863 646761	32770	62497	155234	329522	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	FB	Ave	39473 1839942	93355	184808	434395	928977	5.00 200	10.0	20.0	50.0	100
Methacrylonitrile	FB	Ave	11912 579552	23624	53672	117869	261156	50.0 2000	100	200	500	1000
cis-1,2-Dichloroethene	FB	Ave	13164 511399	27053	50921	124069	257996	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	15847 788119	26735	67297	146956	337510	10.0 400	20.0	40.0	100	200
Bromochloromethane	FB	Ave	6086 264438	12938	25451	60114	126496	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	20498 831726	44420	85540	201588	428883	5.00 200	10.0	20.0	50.0	100
Tert-butyl ethyl ether	FB	Ave	37739 1614478	82714	164154	390075	801919	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	FB	Ave	20246 939597	37535	92032	181375	398337	125 5000	250	500	1250	2500
2,2-Dichloropropane	FB	Qua	11718 411527	27201	51197	114946	233907	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	FB	Ave	7596 318076	12893	27394	60951	140603	10.0 400	20.0	40.0	100	200
2-Butanone (MEK)	FB	Lin1	3035 111494	4421	11020	22630	50026	10.0 400	20.0	40.0	100	200
1,2-Dichloroethane	FB	Ave	12760 586283	26696	54685	130707	279357	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	14376 591299	32829	63969	150277	313136	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	FB	Ave	12514 530095	26851	51400	128931	272149	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	FB	Ave	11087 449179	24947	47256	114066	238438	10.0 400	20.0	40.0	100	200
Cyclohexane	FB	Ave	15360 589857	32566	61089	147943	311950	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	FB	Ave	13045 533527	27635	54482	130589	279148	5.00 200	10.0	20.0	50.0	100
Benzene	FB	Ave	35273 1644139	79682	154425	375978	810112	5.00 200	10.0	20.0	50.0	100
2-Nitropropane	FB	Ave	11446 510547	25209	50686	118919	246185	10.0 400	20.0	40.0	100	200
Tert-amyl methyl ether	FB	Ave	30316 1370718	63283	127308	315127	669195	5.00 200	10.0	20.0	50.0	100
Isooctane	FB	Ave	42979 1853569	97354	182476	438321	944219	5.00 200	10.0	20.0	50.0	100
Ethyl acrylate	FB	Ave	15214 709399	28367	64028	147202	322983	5.00 200	10.0	20.0	50.0	100
n-Heptane	FB	Ave	13547 639532	32034	62631	153079	329067	5.00 200	10.0	20.0	50.0	100
Dibromomethane	FB	Ave	6233 289405	12445	25974	62426	136460	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	FB	Ave	10149 502716	21615	43633	108342	241048	5.00 200	10.0	20.0	50.0	100
Trichloroethene	FB	Ave	9710 485395	22528	42377	108910	236953	5.00 200	10.0	20.0	50.0	100

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DXE	Ave	2454 91861	3398	8128	17421	40157	100 4000	200	400	1000	2000
2-Chloroethyl vinyl ether	CBZ	Ave	9342 495337	19067	40182	96358	218529	10.0 400	20.0	40.0	100	200
Methylcyclohexane	FB	Ave	16985 707579	37714	72572	171605	369470	5.00 200	10.0	20.0	50.0	100
cis-1,3-Dichloropropene	CBZ	Ave	10917 677102	24505	52298	139274	313070	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	FB	Ave	21800 986763	38091	91173	201728	442297	10.0 400	20.0	40.0	100	200
trans-1,3-Dichloropropene	CBZ	Ave	10362 532831	20133	43631	106418	240089	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	7239 359568	14176	30523	73036	165498	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	FB	Ave	5797 315684	13631	26504	67794	143311	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	10028 486132	20585	44763	100531	224106	5.00 200	10.0	20.0	50.0	100
Toluene	CBZ	Ave	17691 935068	40864	77645	207357	452343	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	11061 577789	22712	47302	117516	258744	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Lin1	16786 684171	24000	67613	134232	301086	10.0 400	20.0	40.0	100	200
Chlorodibromomethane	CBZ	Ave	8297 476361	18304	37536	94704	214895	5.00 200	10.0	20.0	50.0	100
n-Butyl acetate	CBZ	Lin1	21790 676622	29927	68295	143042	306372	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	7435 399971	15629	33183	82474	180274	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	6895 347185	18502	35748	92671	214806	5.00 200	10.0	20.0	50.0	100
1-Chlorohexane	CBZ	Ave	8153 368722	19397	35065	89045	185860	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	9966 512949	22642	44554	111985	247204	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	22751 1204421	51524	99295	253773	560451	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	12580 601693	26750	54555	135795	294816	5.00 200	10.0	20.0	50.0	100
m-Xylene & p-Xylene	CBZ	Ave	15412 746437	35251	68213	167401	365585	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	DCB	Ave	5566 325758	11172	24806	61750	141836	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	25009 1276986	55406	105940	269185	588562	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	CBZ	Ave	26249 1146443	43425	100434	210413	482147	250 10000	500	1000	2500	5000
1,1,2,2-Tetrachloroethane	CBZ	Ave	15204 688115	28932	62596	142959	317651	5.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	17824 831016	38748	73550	183254	402102	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	3524 170241	6349	14612	34153	73413	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	3601 154945	6653	14444	32417	70661	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	42536 2070749	96575	187677	468180	1023994	5.00 200	10.0	20.0	50.0	100
Bromobenzene	DCB	Ave	11645 585011	25603	48693	122333	272743	5.00 200	10.0	20.0	50.0	100
N-Propylbenzene	DCB	Ave	11964 595960	28676	52120	133587	286062	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	12369 584660	27197	51959	126631	280761	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	33827 1622135	76138	142131	351173	771768	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	36767 1900845	85071	165188	412681	908196	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Qua	5322 334009	9781	19625	46176	89408	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	32508 1699099	73324	143938	364428	810113	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	40249 2054830	90876	180310	448533	971636	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	51259 2577001	117766	227602	567289	1246927	5.00 200	10.0	20.0	50.0	100
Benzyl chloride	DCB	Ave	20835 1254407	41118	92739	226462	531806	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	26217 1278258	57685	110299	269890	598389	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	26809 1332180	59520	114158	272144	611495	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	46394 2341294	103872	203753	493919	1109048	5.00 200	10.0	20.0	50.0	100

GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 121357

SDG No.:

Instrument ID: VOAMS09 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/24/2013 11:39 Calibration End Date: 11/24/2013 13:47 Calibration ID: 2614

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	46183 2316132	102561	203321	483808	1097759	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	26476 1310918	59041	112924	272638	606517	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	48232 2244535	102834	202303	491519	1083121	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	2859 149943	4941	11326	27289	63101	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	21701 1014261	46528	90468	221350	485422	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	20120 905594	40660	81839	194922	422292	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Ave	49804 2116263	89356	184561	426357	957539	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	4487 190780	9714	18385	44049	93448	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	18306 794989	36375	72312	169938	369718	5.00 200	10.0	20.0	50.0	100
Dibromofluoromethane	FB	Ave	10072 442926	22358	43725	104780	229161	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	9223 437495	20284	41059	96664	208920	5.00 200	10.0	20.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave	25617 1331588	57654	116671	296094	651939	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene	DCB	Ave	12620 617486	28226	52945	131917	287540	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
None = No Calib Curve
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121113/2 Calibration Date: 11/20/2013 11:06

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32401.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4618	0.4773		51.7	50.0	3.4	35.0
Chloromethane	Ave	0.7934	0.7503	0.1000	47.3	50.0	-5.4	35.0
Vinyl chloride	Ave	0.7826	0.7167		45.8	50.0	-8.4	20.0
Bromomethane	Ave	0.4282	0.3764		44.0	50.0	-12.1	35.0
Chloroethane	Ave	0.4357	0.4422		50.8	50.0	1.5	35.0
Acrolein	Ave	0.0362	0.0403		279	250	11.4	50.0
Acetonitrile	Lin	0.0358	0.0368		113	100	12.6	35.0
Isopropyl alcohol	Lin1	0.0309	0.0349		520	500	3.8	50.0
Trichlorofluoromethane	Ave	1.188	1.133		47.7	50.0	-4.6	35.0
Acetone	Lin1	0.2821	0.2396		106	100	5.6	50.0
1,1-Dichloroethene	Ave	0.4759	0.4858		51.0	50.0	2.1	20.0
Acrylonitrile	Lin1	0.1215	0.1525		277	250	10.9	50.0
Iodomethane	Ave	0.4605	0.4645		101	100	0.9	35.0
Methylene Chloride	Ave	0.6326	0.6950		54.9	50.0	9.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6280	0.6312		50.3	50.0	0.5	35.0
3-Chloro-1-propene	Ave	1.569	1.612		103	100	2.7	35.0
Carbon disulfide	Ave	2.280	2.272		99.7	100	-0.3	35.0
trans-1,2-Dichloroethene	Ave	0.5949	0.5884		49.5	50.0	-1.1	35.0
Methyl tert-butyl ether	Ave	1.554	1.661		53.4	50.0	6.9	35.0
1,1-Dichloroethane	Ave	1.361	1.357	0.1000	49.9	50.0	-0.3	35.0
Vinyl acetate	Ave	1.350	1.579		117	100	17.0	50.0
2-Chloro-1,3-butadiene	Ave	1.423	1.425		100	100	0.1	35.0
Propionitrile	Ave	0.3673	0.3593		97.8	100	-2.2	35.0
2-Butanone (MEK)	Ave	0.2861	0.3007		105	100	5.1	50.0
Methacrylonitrile	Ave	0.3719	0.4288		115	100	15.3	35.0
cis-1,2-Dichloroethene	Ave	0.6269	0.6176		49.3	50.0	-1.5	50.0
Bromochloromethane	Ave	0.2263	0.2247		49.7	50.0	-0.7	35.0
Chloroform	Ave	1.158	1.140		49.2	50.0	-1.6	20.0
Isobutyl alcohol	Lin	0.0094	0.0089		480	500	-4.0	50.0
2,2-Dichloropropane	Ave	0.1901	0.2040		53.6	50.0	7.3	35.0
1,2-Dichloroethane	Ave	0.4982	0.4720		47.4	50.0	-5.3	35.0
1,1,1-Trichloroethane	Ave	0.6759	0.6478		47.9	50.0	-4.1	35.0
1,1-Dichloropropene	Ave	0.6160	0.6048		49.1	50.0	-1.8	35.0
Carbon tetrachloride	Ave	0.5509	0.5281		47.9	50.0	-4.1	35.0
Benzene	Ave	1.544	1.545		50.0	50.0	0.0	35.0
Dibromomethane	Ave	0.2434	0.2338		48.0	50.0	-4.0	35.0
1,2-Dichloropropane	Ave	0.5836	0.5539		47.5	50.0	-5.1	20.0
Trichloroethene	Ave	0.4367	0.3906		44.7	50.0	-10.6	35.0
Bromodichloromethane	Ave	0.6719	0.6359		47.3	50.0	-5.4	35.0
Methyl methacrylate	Lin1	0.2425	0.2485		92.8	100	-7.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121113/2 Calibration Date: 11/20/2013 11:06

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32401.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2	0.0024	0.0028		2459	2500	-1.6	50.0
2-Chloroethyl vinyl ether	Lin	0.0157	0.1171		505	100	405.2*	35.0
cis-1,3-Dichloropropene	Ave	0.7572	0.7520		49.7	50.0	-0.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4427	0.4457		101	100	0.7	50.0
trans-1,3-Dichloropropene	Lin1	0.5604	0.5788		46.6	50.0	-6.7	35.0
1,1,2-Trichloroethane	Ave	0.2932	0.2776		47.4	50.0	-5.3	35.0
Ethyl methacrylate	Lin2	0.5209	0.5567		98.5	100	-1.5	50.0
Toluene	Ave	1.149	1.081		47.0	50.0	-5.9	20.0
1,3-Dichloropropane	Ave	0.6027	0.5950		49.4	50.0	-1.3	35.0
2-Hexanone	Lin1	0.2326	0.2851		93.4	100	-6.6	50.0
Chlorodibromomethane	Ave	0.3736	0.3547		47.5	50.0	-5.1	35.0
1,2-Dibromoethane	Ave	0.5830	0.5937		50.9	50.0	1.8	35.0
Tetrachloroethene	Ave	0.3368	0.3068		45.5	50.0	-8.9	35.0
1,1,1,2-Tetrachloroethane	Ave	0.8217	0.7968		48.5	50.0	-3.0	35.0
Chlorobenzene	Ave	1.108	1.033	0.3000	46.6	50.0	-6.8	35.0
Ethylbenzene	Ave	1.309	1.303		49.8	50.0	-0.4	20.0
m-Xylene & p-Xylene	Ave	1.679	1.654		98.5	100	-1.5	35.0
Bromoform	Ave	0.4485	0.4778	0.1000	53.3	50.0	6.5	35.0
Styrene	Ave	2.362	2.385		50.5	50.0	1.0	35.0
o-Xylene	Ave	1.638	1.603		48.9	50.0	-2.1	35.0
1,1,2,2-Tetrachloroethane	Ave	0.8217	0.8598	0.3000	52.3	50.0	4.6	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.2366	0.2921		100	100	0.2	50.0
1,2,3-Trichloropropane	Lin1	1.183	1.400		53.5	50.0	6.9	35.0
Isopropylbenzene	Ave	4.584	4.452		48.6	50.0	-2.9	35.0
Bromobenzene	Ave	0.7989	0.8596		53.8	50.0	7.6	35.0
N-Propylbenzene	Ave	5.707	5.661		49.6	50.0	-0.8	35.0
2-Chlorotoluene	Ave	0.9366	0.9179		49.0	50.0	-2.0	35.0
4-Chlorotoluene	Ave	0.9365	0.9194		49.1	50.0	-1.8	35.0
1,3,5-Trimethylbenzene	Ave	3.791	3.692		48.7	50.0	-2.6	35.0
tert-Butylbenzene	Ave	3.138	3.034		48.3	50.0	-3.3	35.0
1,2,4-Trimethylbenzene	Ave	3.677	3.603		49.0	50.0	-2.0	35.0
sec-Butylbenzene	Ave	5.156	4.874		47.3	50.0	-5.5	35.0
1,3-Dichlorobenzene	Ave	1.657	1.643		49.6	50.0	-0.8	35.0
4-Isopropyltoluene	Ave	3.666	3.455		47.1	50.0	-5.7	35.0
1,4-Dichlorobenzene	Ave	1.832	1.705		46.5	50.0	-6.9	35.0
1,2-Dichlorobenzene	Ave	1.548	1.484		48.0	50.0	-4.1	35.0
n-Butylbenzene	Ave	4.104	4.067		49.6	50.0	-0.9	35.0
1,2-Dibromo-3-Chloropropane	Lin2	0.0995	0.1122		50.6	50.0	1.1	35.0
1,2,4-Trichlorobenzene	Ave	0.9547	0.8772		45.9	50.0	-8.1	35.0
Naphthalene	Ave	1.649	1.670		50.6	50.0	1.3	35.0
Hexachlorobutadiene	Ave	0.4564	0.4020		44.0	50.0	-11.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121113/2 Calibration Date: 11/20/2013 11:06

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32401.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Ave	0.8321	0.8018		48.2	50.0	-3.6	35.0
Dibromofluoromethane	Ave	0.5666	0.5408		47.7	50.0	-4.6	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6620	0.7469		56.4	50.0	12.8	35.0
Toluene-d8 (Surr)	Ave	1.582	1.457		46.1	50.0	-7.9	35.0
4-Bromofluorobenzene	Ave	1.290	1.306		50.6	50.0	1.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121230/2 Calibration Date: 11/21/2013 13:32

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4618	0.4713		51.0	50.0	2.1	35.0
Chloromethane	Ave	0.7934	0.8047	0.1000	50.7	50.0	1.4	35.0
Vinyl chloride	Ave	0.7826	0.7766		49.6	50.0	-0.8	20.0
Bromomethane	Ave	0.4282	0.4046		47.3	50.0	-5.5	35.0
Chloroethane	Ave	0.4357	0.4003		45.9	50.0	-8.1	35.0
Acetonitrile	Lin	0.0358	0.0312		94.9	100	-5.1	35.0
Acrolein	Ave	0.0362	0.0414		286	250	14.3	50.0
Isopropyl alcohol	Lin1	0.0309	0.0351		522	500	4.3	50.0
Trichlorofluoromethane	Ave	1.188	1.186		49.9	50.0	-0.2	35.0
Acetone	Lin1	0.2821	0.2687		120	100	19.8	50.0
1,1-Dichloroethene	Ave	0.4759	0.4089		43.0	50.0	-14.1	20.0
Acrylonitrile	Lin1	0.1215	0.1527		278	250	11.0	50.0
Iodomethane	Ave	0.4605	0.4638		101	100	0.7	35.0
Methylene Chloride	Ave	0.6326	0.7139		56.4	50.0	12.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6280	0.6368		50.7	50.0	1.4	35.0
3-Chloro-1-propene	Ave	1.569	1.702		109	100	8.5	35.0
Carbon disulfide	Ave	2.280	2.206		96.8	100	-3.2	35.0
trans-1,2-Dichloroethene	Ave	0.5949	0.5850		49.2	50.0	-1.7	35.0
Methyl tert-butyl ether	Ave	1.554	1.672		53.8	50.0	7.6	35.0
1,1-Dichloroethane	Ave	1.361	1.377	0.1000	50.6	50.0	1.1	35.0
Vinyl acetate	Ave	1.350	1.646		122	100	22.0	50.0
2-Chloro-1,3-butadiene	Ave	1.423	1.484		104	100	4.3	35.0
Propionitrile	Ave	0.3673	0.3779		103	100	2.9	35.0
2-Butanone (MEK)	Ave	0.2861	0.3320		116	100	16.1	50.0
Methacrylonitrile	Ave	0.3719	0.4681		126	100	25.9	35.0
cis-1,2-Dichloroethene	Ave	0.6269	0.6194		49.4	50.0	-1.2	50.0
Bromochloromethane	Ave	0.2263	0.2389		52.8	50.0	5.6	35.0
Chloroform	Ave	1.158	1.173		50.6	50.0	1.3	20.0
Isobutyl alcohol	Lin	0.0094	0.0096		514	500	2.8	50.0
2,2-Dichloropropane	Ave	0.1901	0.1980		52.1	50.0	4.1	35.0
1,2-Dichloroethane	Ave	0.4982	0.5369		53.9	50.0	7.8	35.0
1,1,1-Trichloroethane	Ave	0.6759	0.6896		51.0	50.0	2.0	35.0
1,1-Dichloropropene	Ave	0.6160	0.6304		51.2	50.0	2.4	35.0
Carbon tetrachloride	Ave	0.5509	0.5723		51.9	50.0	3.9	35.0
Benzene	Ave	1.544	1.526		49.4	50.0	-1.2	35.0
1,2-Dichloropropane	Ave	0.5836	0.5228		44.8	50.0	-10.4	20.0
Dibromomethane	Ave	0.2434	0.2199		45.2	50.0	-9.7	35.0
Trichloroethene	Ave	0.4367	0.4206		48.2	50.0	-3.7	35.0
Bromodichloromethane	Ave	0.6719	0.6360		47.3	50.0	-5.3	35.0
Methyl methacrylate	Lin1	0.2425	0.2451		91.6	100	-8.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121230/2 Calibration Date: 11/21/2013 13:32

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624 60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2	0.0024	0.0028		2467	2500	-1.3	50.0
2-Chloroethyl vinyl ether	Lin	0.0157	0.1353		582	100	481.5*	35.0
cis-1,3-Dichloropropene	Ave	0.7572	0.7535		49.8	50.0	-0.5	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4427	0.4914		111	100	11.0	50.0
trans-1,3-Dichloropropene	Lin1	0.5604	0.5833		47.0	50.0	-6.0	35.0
1,1,2-Trichloroethane	Ave	0.2932	0.2847		48.6	50.0	-2.9	35.0
Ethyl methacrylate	Lin2	0.5209	0.5226		92.7	100	-7.3	50.0
Toluene	Ave	1.149	1.046		45.5	50.0	-9.0	20.0
1,3-Dichloropropane	Ave	0.6027	0.5999		49.8	50.0	-0.5	35.0
2-Hexanone	Lin1	0.2326	0.3021		98.4	100	-1.7	50.0
Chlorodibromomethane	Ave	0.3736	0.3629		48.6	50.0	-2.9	35.0
1,2-Dibromoethane	Ave	0.5830	0.5564		47.7	50.0	-4.6	35.0
Tetrachloroethene	Ave	0.3368	0.3056		45.4	50.0	-9.3	35.0
1,1,1,2-Tetrachloroethane	Ave	0.8217	0.7426		45.2	50.0	-9.6	35.0
Chlorobenzene	Ave	1.108	1.058	0.3000	47.7	50.0	-4.6	35.0
Ethylbenzene	Ave	1.309	1.188		45.4	50.0	-9.2	20.0
m-Xylene & p-Xylene	Ave	1.679	1.526		90.9	100	-9.1	35.0
Bromoform	Ave	0.4485	0.4393	0.1000	49.0	50.0	-2.1	35.0
Styrene	Ave	2.362	2.247		47.6	50.0	-4.9	35.0
1,1,2,2-Tetrachloroethane	Ave	0.8217	0.7954	0.3000	48.4	50.0	-3.2	35.0
o-Xylene	Ave	1.638	1.455		44.4	50.0	-11.1	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.2366	0.2903		99.7	100	-0.4	50.0
1,2,3-Trichloropropane	Lin1	1.183	1.258		48.2	50.0	-3.5	35.0
Isopropylbenzene	Ave	4.584	4.139		45.2	50.0	-9.7	35.0
Bromobenzene	Ave	0.7989	0.7638		47.8	50.0	-4.4	35.0
N-Propylbenzene	Ave	5.707	5.273		46.2	50.0	-7.6	35.0
2-Chlorotoluene	Ave	0.9366	0.8542		45.6	50.0	-8.8	35.0
4-Chlorotoluene	Ave	0.9365	0.8896		47.5	50.0	-5.0	35.0
1,3,5-Trimethylbenzene	Ave	3.791	3.468		45.7	50.0	-8.5	35.0
tert-Butylbenzene	Ave	3.138	2.846		45.4	50.0	-9.3	35.0
1,2,4-Trimethylbenzene	Ave	3.677	3.363		45.7	50.0	-8.5	35.0
sec-Butylbenzene	Ave	5.156	4.636		45.0	50.0	-10.1	35.0
1,3-Dichlorobenzene	Ave	1.657	1.551		46.8	50.0	-6.4	35.0
4-Isopropyltoluene	Ave	3.666	3.352		45.7	50.0	-8.6	35.0
1,4-Dichlorobenzene	Ave	1.832	1.591		43.4	50.0	-13.2	35.0
1,2-Dichlorobenzene	Ave	1.548	1.425		46.0	50.0	-7.9	35.0
n-Butylbenzene	Ave	4.104	3.851		46.9	50.0	-6.2	35.0
1,2-Dibromo-3-Chloropropane	Lin2	0.0995	0.1054		47.6	50.0	-4.8	35.0
1,2,4-Trichlorobenzene	Ave	0.9547	0.9250		48.4	50.0	-3.1	35.0
Naphthalene	Ave	1.649	1.519		46.1	50.0	-7.9	35.0
Hexachlorobutadiene	Ave	0.4564	0.4152		45.5	50.0	-9.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121230/2 Calibration Date: 11/21/2013 13:32

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Ave	0.8321	0.8013		48.1	50.0	-3.7	35.0
Dibromofluoromethane	Ave	0.5666	0.5494		48.5	50.0	-3.0	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6620	0.7779		58.8	50.0	17.5	35.0
Toluene-d8 (Surr)	Ave	1.582	1.467		46.4	50.0	-7.2	35.0
4-Bromofluorobenzene	Ave	1.290	1.200		46.5	50.0	-7.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121704/2 Calibration Date: 11/26/2013 14:18

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4618	0.4727		51.2	50.0	2.4	35.0
Chloromethane	Ave	0.7934	0.8749	0.1000	55.1	50.0	10.3	35.0
Vinyl chloride	Ave	0.7826	0.8144		52.0	50.0	4.1	20.0
Bromomethane	Ave	0.4282	0.4594		53.7	50.0	7.3	35.0
Chloroethane	Ave	0.4357	0.4422		50.8	50.0	1.5	35.0
Acetonitrile	Lin	0.0358	0.0324		98.5	100	-1.5	35.0
Acrolein	Ave	0.0362	0.0420		290	250	15.9	50.0
Isopropyl alcohol	Lin1	0.0309	0.0346		515	500	2.9	50.0
Trichlorofluoromethane	Ave	1.188	1.283		54.0	50.0	8.0	35.0
Acetone	Lin1	0.2821	0.2343		103	100	2.9	50.0
1,1-Dichloroethene	Ave	0.4759	0.4699		49.4	50.0	-1.3	20.0
Acrylonitrile	Lin1	0.1215	0.1576		286	250	14.4	50.0
Iodomethane	Ave	0.4605	0.4358		94.6	100	-5.4	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.6280	0.6618		52.7	50.0	5.4	35.0
Methylene Chloride	Ave	0.6326	0.8160		64.5	50.0	29.0	50.0
3-Chloro-1-propene	Ave	1.569	1.866		119	100	19.0	35.0
Carbon disulfide	Ave	2.280	2.332		102	100	2.3	35.0
trans-1,2-Dichloroethene	Ave	0.5949	0.6223		52.3	50.0	4.6	35.0
Methyl tert-butyl ether	Ave	1.554	1.748		56.2	50.0	12.5	35.0
1,1-Dichloroethane	Ave	1.361	1.423	0.1000	52.3	50.0	4.6	35.0
Vinyl acetate	Ave	1.350	1.831		136	100	35.7	50.0
2-Chloro-1,3-butadiene	Ave	1.423	1.666		117	100	17.1	35.0
Propionitrile	Ave	0.3673	0.4186		114	100	14.0	35.0
2-Butanone (MEK)	Ave	0.2861	0.3399		119	100	18.8	50.0
Methacrylonitrile	Ave	0.3719	0.4561		123	100	22.6	35.0
cis-1,2-Dichloroethene	Ave	0.6269	0.6557		52.3	50.0	4.6	50.0
Bromochloromethane	Ave	0.2263	0.2384		52.7	50.0	5.4	35.0
Chloroform	Ave	1.158	1.251		54.0	50.0	8.0	20.0
Isobutyl alcohol	Lin	0.0094	0.0086		463	500	-7.4	50.0
2,2-Dichloropropane	Ave	0.1901	0.2048		53.9	50.0	7.7	35.0
1,2-Dichloroethane	Ave	0.4982	0.5713		57.3	50.0	14.7	35.0
1,1,1-Trichloroethane	Ave	0.6759	0.7058		52.2	50.0	4.4	35.0
1,1-Dichloropropene	Ave	0.6160	0.6340		51.5	50.0	2.9	35.0
Carbon tetrachloride	Ave	0.5509	0.5701		51.7	50.0	3.5	35.0
Benzene	Ave	1.544	1.585		51.3	50.0	2.6	35.0
1,2-Dichloropropane	Ave	0.5836	0.6295		53.9	50.0	7.9	20.0
Dibromomethane	Ave	0.2434	0.2655		54.5	50.0	9.1	35.0
Trichloroethene	Ave	0.4367	0.4369		50.0	50.0	0.0	35.0
Bromodichloromethane	Ave	0.6719	0.7519		56.0	50.0	11.9	35.0
Methyl methacrylate	Lin1	0.2425	0.3000		111	100	11.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121704/2 Calibration Date: 11/26/2013 14:18

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2	0.0024	0.0029		2566	2500	2.6	50.0
2-Chloroethyl vinyl ether	Lin	0.0157	0.1650		706	100	606.3*	35.0
cis-1,3-Dichloropropene	Ave	0.7572	0.8706		57.5	50.0	15.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4427	0.5553		125	100	25.4	50.0
trans-1,3-Dichloropropene	Lin1	0.5604	0.6658		53.3	50.0	6.6	35.0
1,1,2-Trichloroethane	Ave	0.2932	0.3161		53.9	50.0	7.8	35.0
Ethyl methacrylate	Lin2	0.5209	0.6380		112	100	12.4	50.0
Toluene	Ave	1.149	1.222		53.2	50.0	6.4	20.0
1,3-Dichloropropane	Ave	0.6027	0.6806		56.5	50.0	12.9	35.0
2-Hexanone	Lin1	0.2326	0.3452		111	100	11.0	50.0
Chlorodibromomethane	Ave	0.3736	0.4080		54.6	50.0	9.2	35.0
1,2-Dibromoethane	Ave	0.5830	0.6296		54.0	50.0	8.0	35.0
Tetrachloroethene	Ave	0.3368	0.3323		49.3	50.0	-1.3	35.0
1,1,1,2-Tetrachloroethane	Ave	0.8217	0.8561		52.1	50.0	4.2	35.0
Chlorobenzene	Ave	1.108	1.151	0.3000	51.9	50.0	3.9	35.0
Ethylbenzene	Ave	1.309	1.352		51.7	50.0	3.3	20.0
m-Xylene & p-Xylene	Ave	1.679	1.763		105	100	5.0	35.0
Bromoform	Ave	0.4485	0.4811	0.1000	53.6	50.0	7.3	35.0
Styrene	Ave	2.362	2.610		55.2	50.0	10.5	35.0
o-Xylene	Ave	1.638	1.648		50.3	50.0	0.6	35.0
1,1,2,2-Tetrachloroethane	Ave	0.8217	0.9271	0.3000	56.4	50.0	12.8	35.0
1,2,3-Trichloropropane	Lin1	1.183	1.525		58.0	50.0	16.1	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.2366	0.3700		125	100	24.8	50.0
Isopropylbenzene	Ave	4.584	4.802		52.4	50.0	4.8	35.0
Bromobenzene	Ave	0.7989	0.8826		55.2	50.0	10.5	35.0
N-Propylbenzene	Ave	5.707	6.162		54.0	50.0	8.0	35.0
2-Chlorotoluene	Ave	0.9366	0.9809		52.4	50.0	4.7	35.0
4-Chlorotoluene	Ave	0.9365	1.026		54.8	50.0	9.6	35.0
1,3,5-Trimethylbenzene	Ave	3.791	3.994		52.7	50.0	5.4	35.0
tert-Butylbenzene	Ave	3.138	3.246		51.7	50.0	3.4	35.0
1,2,4-Trimethylbenzene	Ave	3.677	3.912		53.2	50.0	6.4	35.0
sec-Butylbenzene	Ave	5.156	5.378		52.2	50.0	4.3	35.0
1,3-Dichlorobenzene	Ave	1.657	1.744		52.6	50.0	5.2	35.0
4-Isopropyltoluene	Ave	3.666	3.852		52.5	50.0	5.1	35.0
1,4-Dichlorobenzene	Ave	1.832	1.857		50.7	50.0	1.4	35.0
1,2-Dichlorobenzene	Ave	1.548	1.567		50.6	50.0	1.3	35.0
n-Butylbenzene	Ave	4.104	4.506		54.9	50.0	9.8	35.0
1,2-Dibromo-3-Chloropropane	Lin2	0.0995	0.1106		49.9	50.0	-0.3	35.0
1,2,4-Trichlorobenzene	Ave	0.9547	0.9887		51.8	50.0	3.6	35.0
Naphthalene	Ave	1.649	1.851		56.1	50.0	12.2	35.0
Hexachlorobutadiene	Ave	0.4564	0.4514		49.4	50.0	-1.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121704/2 Calibration Date: 11/26/2013 14:18

Instrument ID: VOAMS04 Calib Start Date: 11/17/2013 10:47

GC Column: DB-624_60 ID: 0.25(mm) Calib End Date: 11/17/2013 13:07

Lab File ID: E33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Ave	0.8321	0.8542		51.3	50.0	2.7	35.0
Dibromofluoromethane	Ave	0.5666	0.5693		50.2	50.0	0.5	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6620	0.7615		57.5	50.0	15.0	35.0
Toluene-d8 (Surr)	Ave	1.582	1.614		51.0	50.0	2.0	35.0
4-Bromofluorobenzene	Ave	1.290	1.448		56.1	50.0	12.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121549/2 Calibration Date: 11/26/2013 11:14

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: J33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2250	0.2110		46.9	50.0	-6.2	35.0
Chloromethane	Ave	0.3186	0.2834	0.1000	44.5	50.0	-11.1	35.0
Vinyl chloride	Ave	0.3220	0.2640		41.0	50.0	-18.0	20.0
Butadiene	Ave	0.3110	0.2662		42.8	50.0	-14.4	50.0
Bromomethane	Ave	0.1386	0.1456		52.5	50.0	5.1	35.0
Chloroethane	Ave	0.1570	0.1506		48.0	50.0	-4.1	35.0
Acrolein	Ave	0.0348	0.0275		198	250	-20.9	50.0
Acetonitrile	Ave	0.0498	0.0347		349	500	-30.2	35.0
Trichlorofluoromethane	Ave	0.3890	0.3842		49.4	50.0	-1.2	35.0
Isopropyl alcohol	Ave	0.0239	0.0159		332	500	-33.6	50.0
Acetone	Lin	0.1177	0.1005		78.8	100	-21.2	50.0
Ethyl ether	Ave	0.2357	0.2105		44.7	50.0	-10.7	50.0
2-Methyl-2-propanol	Ave	0.0395	0.0270		342	500	-31.6	35.0
1,1-Dichloroethene	Ave	0.1775	0.1851		52.1	50.0	4.2	20.0
Acrylonitrile	Ave	0.1139	0.0879		386	500	-22.8	50.0
Iodomethane	Ave	0.1297	0.1671		64.4	50.0	28.9	35.0
Methylene Chloride	Ave	0.2563	0.2419		47.2	50.0	-5.6	50.0
Methyl acetate	Ave	1.210	0.1640		33.9	250	-86.4*	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1528	0.1774		58.1	50.0	16.1	35.0
3-Chloro-1-propene	Ave	0.0693	0.0615		44.4	50.0	-11.2	35.0
Carbon disulfide	Ave	0.5659	0.6189		54.7	50.0	9.4	35.0
trans-1,2-Dichloroethene	Ave	0.2320	0.2149		46.3	50.0	-7.4	35.0
Methyl tert-butyl ether	Ave	0.8370	0.7676		45.9	50.0	-8.3	35.0
Propionitrile	Ave	0.0529	0.0385		364	500	-27.2	35.0
1,1-Dichloroethane	Ave	0.4507	0.4012	0.1000	44.5	50.0	-11.0	35.0
Vinyl acetate	Lin1	0.3211	0.2966		82.6	100	-17.4	50.0
2-Chloro-1,3-butadiene	Ave	0.4066	0.3764		46.3	50.0	-7.4	35.0
Hexane	Ave	0.2416	0.2653		54.9	50.0	9.8	35.0
2-Butanone (MEK)	Ave	0.0389	0.0308		79.1	100	-20.9	50.0
Isopropyl ether	Ave	1.001	0.8839		44.2	50.0	-11.7	35.0
Methacrylonitrile	Ave	0.0488	0.0394		404	500	-19.2	35.0
cis-1,2-Dichloroethene	Ave	0.2751	0.2481		45.1	50.0	-9.8	50.0
Ethyl acetate	Ave	0.3086	0.2636		85.4	100	-14.6	35.0
Bromochloromethane	Ave	0.1261	0.1138		45.1	50.0	-9.8	35.0
Chloroform	Ave	0.4404	0.3982		45.2	50.0	-9.6	20.0
Isobutyl alcohol	Ave	0.0215	0.0167		971	1250	-22.3	50.0
Tetrahydrofuran	Ave	0.1174	0.1015		86.5	100	-13.5	35.0
2,2-Dichloropropane	Ave	0.3652	0.3548		48.6	50.0	-2.8	35.0
1,2-Dichloroethane	Ave	0.3885	0.3623		46.6	50.0	-6.8	35.0
1,1,1-Trichloroethane	Ave	0.3828	0.3509		45.8	50.0	-8.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121549/2 Calibration Date: 11/26/2013 11:14

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: J33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3233	0.2868		44.4	50.0	-11.3	35.0
n-Butanol	Ave	0.0158	0.0153		1213	1250	-3.0	35.0
Carbon tetrachloride	Ave	0.3150	0.2992		47.5	50.0	-5.0	35.0
Benzene	Ave	1.029	0.8962		43.5	50.0	-12.9	35.0
Isooctane	Ave	0.5542	0.4729		42.7	50.0	-14.7	35.0
Ethyl acrylate	Ave	0.5059	0.4197		41.5	50.0	-17.0	35.0
2-Nitropropane	Ave	0.1236	0.1109		89.8	100	-10.2	35.0
n-Heptane	Ave	0.2471	0.2219		44.9	50.0	-10.2	35.0
Dibromomethane	Ave	0.1647	0.1598		48.5	50.0	-3.0	35.0
1,2-Dichloropropane	Ave	0.2884	0.2508		43.5	50.0	-13.1	20.0
Trichloroethene	Ave	0.2953	0.2664		45.1	50.0	-9.8	35.0
Bromodichloromethane	Ave	0.3741	0.3420		45.7	50.0	-8.6	35.0
Methyl methacrylate	Ave	0.3447	0.2812		81.6	100	-18.4	50.0
1,4-Dioxane	Ave	1.017	0.8958		881	1000	-11.9	50.0
Cyclohexane	Ave	0.0208	0.0192		46.0	50.0	-8.1	35.0
Methylcyclohexane	Ave	0.3173	0.2936		46.3	50.0	-7.5	35.0
cis-1,3-Dichloropropene	Ave	0.9722	0.8747		45.0	50.0	-10.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3624	0.2809		77.5	100	-22.5	50.0
trans-1,3-Dichloropropene	Ave	0.8158	0.7473		45.8	50.0	-8.4	35.0
1,1,2-Trichloroethane	Ave	0.5924	0.5180		43.7	50.0	-12.6	35.0
Ethyl methacrylate	Ave	0.9303	0.7996		43.0	50.0	-14.1	50.0
2-Chloroethyl vinyl ether	Ave	0.3358	0.1128		16.8	100	-66.4*	35.0
Toluene	Ave	1.562	1.345		43.0	50.0	-13.9	20.0
1,3-Dichloropropane	Ave	1.078	0.9322		43.3	50.0	-13.5	35.0
2-Hexanone	Ave	0.5686	0.4243		74.6	100	-25.4	50.0
Chlorodibromomethane	Ave	0.6735	0.6291		46.7	50.0	-6.6	35.0
n-Butyl acetate	Ave	1.098	0.9653		44.0	50.0	-12.1	35.0
1,2-Dibromoethane	Ave	0.6206	0.5529		44.5	50.0	-10.9	35.0
Tetrachloroethene	Ave	0.5537	0.4644		41.9	50.0	-16.1	35.0
1,1,1,2-Tetrachloroethane	Ave	0.6364	0.5707		44.8	50.0	-10.3	35.0
Chlorobenzene	Ave	1.778	1.543	0.3000	43.4	50.0	-13.2	35.0
Ethylbenzene	Ave	0.9414	0.8092		43.0	50.0	-14.0	20.0
m-Xylene & p-Xylene	Ave	1.153	0.9897		42.9	50.0	-14.1	35.0
Bromoform	Ave	0.4880	0.4414	0.1000	45.2	50.0	-9.5	35.0
Styrene	Ave	1.827	1.643		45.0	50.0	-10.1	35.0
Cyclohexanone	Ave	0.0279	0.0192		1725	2500	-31.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9444	0.7475	0.3000	39.6	50.0	-20.9	35.0
o-Xylene	Ave	1.147	0.9794		42.7	50.0	-14.6	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.1588	0.1430		38.1	50.0	-23.8	50.0
1,2,3-Trichloropropane	Ave	0.2861	0.2341		40.9	50.0	-18.2	35.0
Isopropylbenzene	Ave	2.951	2.434		41.2	50.0	-17.5	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121549/2 Calibration Date: 11/26/2013 11:14

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: J33001.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromobenzene	Ave	0.8218	0.7280		44.3	50.0	-11.4	35.0
N-Propylbenzene	Ave	0.8033	0.6630		41.3	50.0	-17.5	35.0
2-Chlorotoluene	Ave	0.7390	0.6251		42.3	50.0	-15.4	35.0
4-Chlorotoluene	Ave	2.167	1.839		42.4	50.0	-15.1	35.0
1,3,5-Trimethylbenzene	Ave	2.412	1.980		41.1	50.0	-17.9	35.0
tert-Butylbenzene	Ave	1.985	1.622		40.8	50.0	-18.3	35.0
1,2,4-Trimethylbenzene	Ave	2.504	2.085		41.6	50.0	-16.7	35.0
sec-Butylbenzene	Ave	2.706	2.134		39.4	50.0	-21.2	35.0
Benzyl chloride	Lin1	1.115	1.001		39.9	50.0	-20.2	35.0
1,3-Dichlorobenzene	Ave	1.446	1.197		41.4	50.0	-17.2	35.0
1,4-Dichlorobenzene	Ave	1.468	1.236		42.1	50.0	-15.8	35.0
4-Isopropyltoluene	Ave	2.425	1.940		40.0	50.0	-20.0	35.0
1,2,3-Trimethylbenzene	Ave	2.569	2.150		41.8	50.0	-16.3	35.0
1,2-Dichlorobenzene	Ave	1.382	1.148		41.5	50.0	-16.9	35.0
n-Butylbenzene	Ave	1.843	1.466		39.8	50.0	-20.5	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.1660	0.1307		39.4	50.0	-21.3	35.0
1,3,5-Trichlorobenzene	Ave	0.7986	0.6272		39.3	50.0	-21.5	35.0
1,2,4-Trichlorobenzene	Ave	0.5656	0.4519		39.9	50.0	-20.1	35.0
Naphthalene	Lin1	1.021	2.002		84.5	50.0	68.9*	35.0
Hexachlorobutadiene	Ave	0.1058	0.0988		46.7	50.0	-6.6	35.0
1,2,3-Trichlorobenzene	Ave	0.3653	0.2845		38.9	50.0	-22.1	35.0
Dibromofluoromethane	Ave	0.2463	0.2469		50.1	50.0	0.2	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3151	0.2942		46.7	50.0	-6.7	35.0
Toluene-d8 (Surr)	Ave	2.180	2.102		48.2	50.0	-3.6	35.0
4-Bromofluorobenzene	Ave	0.9355	0.8723		46.6	50.0	-6.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121793/2 Calibration Date: 11/28/2013 11:57

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: T33201.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000			50.0		
Dichlorodifluoromethane	Ave	0.2250	0.1134		25.2	50.0	-49.6*	35.0
Chloromethane	Ave	0.3186	0.2284	0.1000	35.8	50.0	-28.3	35.0
Vinyl chloride	Ave	0.3220	0.2619		40.7	50.0	-18.7	20.0
Butadiene	Ave	0.3110	0.2439		39.2	50.0	-21.6	50.0
Bromomethane	Ave	0.1386	0.1276		46.0	50.0	-7.9	35.0
Chloroethane	Ave	0.1570	0.1497		47.7	50.0	-4.6	35.0
Alcohol	Ave	0.0047	0.0037			2500	-20.6	
Dichlorofluoromethane	Ave	0.4681	0.4963			50.0	6.0	
Acrolein	Ave	0.0348	0.0232		167	250	-33.3	50.0
Acetonitrile	Ave	0.0498	0.0404		406	500	-18.8	35.0
Trichlorofluoromethane	Ave	0.3890	0.4164		53.5	50.0	7.0	35.0
Isopropyl alcohol	Ave	0.0239	0.0187		391	500	-21.9	50.0
Acetone	Lin	0.1177	0.0891		71.0	100	-29.0	50.0
Ethyl ether	Ave	0.2357	0.2127		45.1	50.0	-9.8	50.0
2-Methyl-2-propanol	Ave	0.0395	0.0312		395	500	-21.0	35.0
1,1-Dichloroethene	Ave	0.1775	0.1832		51.6	50.0	3.2	20.0
Acrylonitrile	Ave	0.1139	0.0923		405	500	-18.9	50.0
Iodomethane	Ave	0.1297	0.1230		47.4	50.0	-5.2	35.0
Methylene Chloride	Ave	0.2563	0.2364		46.1	50.0	-7.8	50.0
Methyl acetate	Ave	1.210	0.1899		39.3	250	-84.3*	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1528	0.1628		53.3	50.0	6.6	35.0
3-Chloro-1-propene	Ave	0.0693	0.0670		48.3	50.0	-3.3	35.0
Carbon disulfide	Ave	0.5659	0.5638		49.8	50.0	-0.4	35.0
trans-1,2-Dichloroethene	Ave	0.2320	0.2240		48.3	50.0	-3.5	35.0
Methyl tert-butyl ether	Ave	0.8370	0.7556		45.1	50.0	-9.7	35.0
Propionitrile	Ave	0.0529	0.0432		408	500	-18.4	35.0
1,1-Dichloroethane	Ave	0.4507	0.4188	0.1000	46.5	50.0	-7.1	35.0
Vinyl acetate	Lin1	0.3211	0.3328		92.1	100	-7.9	50.0
2-Chloro-1,3-butadiene	Ave	0.4066	0.3906		48.0	50.0	-3.9	35.0
2-Butanone (MEK)	Ave	0.0389	0.0339		87.0	100	-13.0	50.0
Hexane	Ave	0.2416	0.2048		42.4	50.0	-15.2	35.0
Isopropyl ether	Ave	1.001	0.8936		44.6	50.0	-10.7	35.0
Methacrylonitrile	Ave	0.0488	0.0414		425	500	-15.1	35.0
cis-1,2-Dichloroethene	Ave	0.2751	0.2611		47.5	50.0	-5.1	50.0
Ethyl acetate	Ave	0.3086	0.2579		83.6	100	-16.4	35.0
Bromochloromethane	Ave	0.1261	0.1211		48.0	50.0	-3.9	35.0
Chloroform	Ave	0.4404	0.4206		47.8	50.0	-4.5	20.0
Tert-butyl ethyl ether	Ave	0.9500	0.8763			50.0	-7.8	
Isobutyl alcohol	Ave	0.0215	0.0180		1045	1250	-16.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121793/2 Calibration Date: 11/28/2013 11:57

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: T33201.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.1174	0.1186		101	100	1.0	35.0
2,2-Dichloropropane	Ave	0.3652	0.3902		53.4	50.0	6.9	35.0
1,2-Dichloroethane	Ave	0.3885	0.3743		48.2	50.0	-3.7	35.0
1,1,1-Trichloroethane	Ave	0.3828	0.3751		49.0	50.0	-2.0	35.0
1,1-Dichloropropene	Ave	0.3233	0.3089		47.8	50.0	-4.4	35.0
n-Butanol	Ave	0.0158	0.0141		1120	1250	-10.4	35.0
Carbon tetrachloride	Ave	0.3150	0.3135		49.8	50.0	-0.5	35.0
Benzene	Ave	1.029	0.9634		46.8	50.0	-6.4	35.0
Tert-amyl methyl ether	Ave	0.8201	0.7693			50.0	-6.2	
Isooctane	Ave	0.5542	0.4467		40.3	50.0	-19.4	35.0
Ethyl acrylate	Ave	0.5059	0.4312		42.6	50.0	-14.8	35.0
2-Nitropropane	Ave	0.1236	0.0911		73.8	100	-26.2	35.0
n-Heptane	Ave	0.2471	0.1823		36.9	50.0	-26.2	35.0
Dibromomethane	Ave	0.1647	0.1628		49.4	50.0	-1.2	35.0
1,2-Dichloropropane	Ave	0.2884	0.2591		44.9	50.0	-10.2	20.0
Trichloroethene	Ave	0.2953	0.2821		47.8	50.0	-4.5	35.0
Bromodichloromethane	Ave	0.3741	0.3532		47.2	50.0	-5.6	35.0
Methyl methacrylate	Ave	0.3447	0.2880		83.6	100	-16.4	50.0
1,4-Dioxane	Ave	1.017	0.8922		877	1000	-12.3	50.0
Cyclohexane	Ave	0.0208	0.0184		44.1	50.0	-11.8	35.0
Methylcyclohexane	Ave	0.3173	0.2662		42.0	50.0	-16.1	35.0
cis-1,3-Dichloropropene	Ave	0.9722	0.9190		47.3	50.0	-5.5	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3624	0.2976		82.1	100	-17.9	50.0
trans-1,3-Dichloropropene	Ave	0.8158	0.7933		48.6	50.0	-2.8	35.0
1,1,2-Trichloroethane	Ave	0.5924	0.5282		44.6	50.0	-10.8	35.0
Ethyl methacrylate	Ave	0.9303	0.8364		45.0	50.0	-10.1	50.0
2-Chloroethyl vinyl ether	Ave	0.3358	0.1140		17.0	100	-66.0*	35.0
Toluene	Ave	1.562	1.413		45.2	50.0	-9.5	20.0
1,3-Dichloropropane	Ave	1.078	0.9571		44.4	50.0	-11.2	35.0
2-Hexanone	Ave	0.5686	0.4617		81.2	100	-18.8	50.0
Chlorodibromomethane	Ave	0.6735	0.6409		47.6	50.0	-4.8	35.0
n-Butyl acetate	Ave	1.098	0.9609		43.8	50.0	-12.5	35.0
1,2-Dibromoethane	Ave	0.6206	0.5699		45.9	50.0	-8.2	35.0
Tetrachloroethene	Ave	0.5537	0.4900		44.3	50.0	-11.5	35.0
1,1,1,2-Tetrachloroethane	Ave	0.6364	0.5999		47.1	50.0	-5.7	35.0
Chlorobenzene	Ave	1.778	1.630	0.3000	45.8	50.0	-8.3	35.0
Ethylbenzene	Ave	0.9414	0.8532		45.3	50.0	-9.4	20.0
m-Xylene & p-Xylene	Ave	1.153	1.045		45.3	50.0	-9.4	35.0
Bromoform	Ave	0.4880	0.4447	0.1000	45.6	50.0	-8.9	35.0
Styrene	Ave	1.827	1.748		47.8	50.0	-4.3	35.0
Cyclohexanone	Ave	0.0279	0.0224		2003	2500	-19.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121793/2 Calibration Date: 11/28/2013 11:57

Instrument ID: VOAMS06 Calib Start Date: 11/25/2013 10:32

GC Column: DB-VRX ID: 0.25(mm) Calib End Date: 11/25/2013 12:33

Lab File ID: T33201.D Conc. Units: ug/Kg Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2,2-Tetrachloroethane	Ave	0.9444	0.7778	0.3000	41.2	50.0	-17.6	35.0
o-Xylene	Ave	1.147	1.044		45.5	50.0	-9.0	35.0
trans-1,4-Dichloro-2-butene	Lin1	0.1588	0.1616		42.5	50.0	-14.9	50.0
1,2,3-Trichloropropane	Ave	0.2861	0.2366		41.4	50.0	-17.3	35.0
Isopropylbenzene	Ave	2.951	2.498		42.3	50.0	-15.3	35.0
Bromobenzene	Ave	0.8218	0.7549		45.9	50.0	-8.1	35.0
N-Propylbenzene	Ave	0.8033	0.6822		42.5	50.0	-15.1	35.0
2-Chlorotoluene	Ave	0.7390	0.6447		43.6	50.0	-12.8	35.0
4-Chlorotoluene	Ave	2.167	1.918		44.3	50.0	-11.5	35.0
1,3,5-Trimethylbenzene	Ave	2.412	2.029		42.1	50.0	-15.9	35.0
Pentachloroethane	Ave	0.3983	0.4117		51.7	50.0	3.4	
tert-Butylbenzene	Ave	1.985	1.611		40.6	50.0	-18.9	35.0
1,2,4-Trimethylbenzene	Ave	2.504	2.164		43.2	50.0	-13.6	35.0
sec-Butylbenzene	Ave	2.706	2.138		39.5	50.0	-21.0	35.0
Benzyl chloride	Lin1	1.115	1.129		44.7	50.0	-10.6	35.0
1,3-Dichlorobenzene	Ave	1.446	1.265		43.8	50.0	-12.5	35.0
1,4-Dichlorobenzene	Ave	1.468	1.302		44.4	50.0	-11.3	35.0
4-Isopropyltoluene	Ave	2.425	1.928		39.8	50.0	-20.5	35.0
1,2,3-Trimethylbenzene	Ave	2.569	2.217		43.1	50.0	-13.7	35.0
1,2-Dichlorobenzene	Ave	1.382	1.163		42.1	50.0	-15.9	35.0
n-Butylbenzene	Ave	1.843	1.466		39.8	50.0	-20.4	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.1660	0.1045		31.5	50.0	-37.1*	35.0
1,3,5-Trichlorobenzene	Ave	0.7986	0.5956		37.3	50.0	-25.4	35.0
1,2,4-Trichlorobenzene	Ave	0.5656	0.3160		27.9	50.0	-44.1*	35.0
Naphthalene	Lin1	1.021	0.4336		20.3	50.0	-59.4*	35.0
Hexachlorobutadiene	Ave	0.1058	0.0733		34.7	50.0	-30.7	35.0
1,2,3-Trichlorobenzene	Ave	0.3653	0.0880		12.1	50.0	-75.9*	35.0
Dibromofluoromethane	Ave	0.2463	0.2385		48.4	50.0	-3.2	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3151	0.3014		47.8	50.0	-4.3	35.0
Toluene-d8 (Surr)	Ave	2.180	1.964		45.0	50.0	-9.9	35.0
4-Bromofluorobenzene	Ave	0.9355	0.8494		45.4	50.0	-9.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121151/2 Calibration Date: 11/21/2013 09:50

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4984	0.5411		54.3	50.0	8.6	35.0
Chloromethane	Ave	0.5367	0.5720	0.1000	53.3	50.0	6.6	35.0
Vinyl chloride	Ave	0.4158	0.4278		51.5	50.0	2.9	20.0
Butadiene	Ave	0.3098	0.3490		56.3	50.0	12.6	50.0
Ethylene oxide	Qua	0.0447	0.0433		763	1000	-23.7	50.0
Bromomethane	Ave	0.2933	0.2796		47.7	50.0	-4.7	35.0
Chloroethane	Ave	0.2230	0.2057		46.1	50.0	-7.8	35.0
Acrolein	Ave	0.0259	0.0340		328	250	31.3	50.0
Trichlorofluoromethane	Ave	0.6341	0.5847		46.1	50.0	-7.8	35.0
Acetone	Lin1	0.0956	0.1162		128	100	28.4	50.0
Ethyl ether	Ave	0.2976	0.2713		45.6	50.0	-8.8	50.0
1,1-Dichloroethene	Ave	0.3723	0.3327		44.7	50.0	-10.6	20.0
Acrylonitrile	Ave	0.1029	0.1523		740	500	48.0	50.0
Iodomethane	Ave	0.7938	0.6553		41.3	50.0	-17.4	35.0
Methylene Chloride	None				41.3	50.0	-17.5	50.0
Methyl acetate	Ave	0.2849	0.4179		367	250	46.7*	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3629	0.2685		37.0	50.0	-26.0	35.0
Acetonitrile	Ave	0.0648	0.0623		481	500	-3.8	35.0
3-Chloro-1-propene	Ave	0.1778	0.1429		40.2	50.0	-19.6	35.0
Carbon disulfide	Ave	1.194	1.031		43.2	50.0	-13.7	35.0
trans-1,2-Dichloroethene	Ave	0.3691	0.3134		42.5	50.0	-15.1	35.0
Methyl tert-butyl ether	Ave	0.9943	0.9642		48.5	50.0	-3.0	35.0
Propionitrile	Ave	0.0460	0.0783		851	500	70.2*	35.0
1,1-Dichloroethane	Ave	0.6892	0.6068	0.1000	44.0	50.0	-12.0	35.0
Vinyl acetate	Ave	0.6133	0.7885		129	100	28.6	50.0
2-Chloro-1,3-butadiene	Ave	0.6570	0.6285		47.8	50.0	-4.3	35.0
2-Butanone (MEK)	Ave	0.0328	0.0478		146	100	45.7	50.0
Hexane	Ave	0.5706	0.5382		47.2	50.0	-5.7	35.0
Isopropyl ether	Ave	1.383	1.310		47.4	50.0	-5.3	35.0
Methacrylonitrile	Ave	0.0409	0.0552		675	500	35.0	35.0
cis-1,2-Dichloroethene	Ave	0.3975	0.3334		41.9	50.0	-16.1	50.0
Ethyl acetate	Ave	0.3097	0.4580		148	100	47.9*	35.0
Isobutyl alcohol	Ave	0.0248	0.0366		1849	1250	47.9	50.0
Bromochloromethane	Ave	0.2237	0.2018		45.1	50.0	-9.8	35.0
Chloroform	Ave	0.7445	0.7015		47.1	50.0	-5.8	20.0
2,2-Dichloropropane	Ave	0.4039	0.4015		49.7	50.0	-0.6	35.0
Tetrahydrofuran	Ave	0.1175	0.1869		159	100	59.1*	35.0
1,2-Dichloroethane	Ave	0.5976	0.6446		53.9	50.0	7.9	35.0
1,1,1-Trichloroethane	Ave	0.6280	0.5617		44.7	50.0	-10.5	35.0
1,1-Dichloropropene	Ave	0.4498	0.3993		44.4	50.0	-11.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121151/2 Calibration Date: 11/21/2013 09:50

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl methacrylate	Ave	0.1903	0.1663		87.4	100	-12.6	50.0
Cyclohexane	Ave	0.4036	0.2887		35.8	50.0	-28.5	35.0
Carbon tetrachloride	Ave	0.6188	0.5638		45.6	50.0	-8.9	35.0
Benzene	Ave	1.221	1.054		43.2	50.0	-13.7	35.0
2-Nitropropane	Ave	0.2019	0.2099		104	100	4.0	35.0
Isooctane	Lin	1.113	0.6571		33.1	50.0	-33.9	35.0
Ethyl acrylate	Ave	0.6420	0.7764		60.5	50.0	20.9	35.0
n-Heptane	Ave	0.6719	0.6616		49.2	50.0	-1.5	35.0
Dibromomethane	Ave	0.2389	0.2444		51.1	50.0	2.3	35.0
1,2-Dichloropropane	Ave	0.3609	0.3453		47.8	50.0	-4.3	20.0
Trichloroethene	Ave	0.4490	0.3723		41.5	50.0	-17.1	35.0
1,4-Dioxane	Lin	1.823	2.013		1362	1000	36.2	50.0
2-Chloroethyl vinyl ether	Ave	0.4690	0.5193		111	100	10.7	35.0
Methylcyclohexane	Ave	0.5247	0.3988		38.0	50.0	-24.0	35.0
cis-1,3-Dichloropropene	Ave	1.279	1.157		45.2	50.0	-9.5	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3702	0.5450		147	100	47.2	50.0
trans-1,3-Dichloropropene	Ave	1.161	1.113		47.9	50.0	-4.1	35.0
1,1,2-Trichloroethane	Ave	0.7143	0.6755		47.3	50.0	-5.4	35.0
Bromodichloromethane	Ave	0.2545	0.2503		49.2	50.0	-1.6	35.0
Ethyl methacrylate	Ave	0.8611	0.8843		51.3	50.0	2.7	50.0
Toluene	Ave	1.825	1.791		49.1	50.0	-1.9	20.0
1,3-Dichloropropane	Ave	1.088	1.036		47.6	50.0	-4.7	35.0
2-Hexanone	Ave	0.6093	0.8778		144	100	44.1	50.0
Chlorodibromomethane	Ave	1.089	1.038		47.7	50.0	-4.6	35.0
n-Butyl acetate	Ave	1.349	1.567		58.1	50.0	16.1	35.0
1,2-Dibromoethane	Ave	0.8297	0.8097		48.8	50.0	-2.4	35.0
Tetrachloroethene	Ave	0.9889	0.6369		32.2	50.0	-35.6*	35.0
1-Chlorohexane	Ave	0.8452	0.7487		44.3	50.0	-11.4	35.0
1,1,1,2-Tetrachloroethane	Ave	1.020	0.8507		41.7	50.0	-16.6	35.0
Chlorobenzene	Ave	2.363	1.952	0.3000	41.3	50.0	-17.4	35.0
Ethylbenzene	Ave	1.194	1.059		44.3	50.0	-11.3	20.0
m-Xylene & p-Xylene	Ave	1.467	1.178		40.1	50.0	-19.7	35.0
Bromoform	Ave	0.6153	0.6762	0.1000	55.0	50.0	9.9	35.0
Styrene	Ave	2.293	1.912		41.7	50.0	-16.6	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9467	1.056	0.3000	55.8	50.0	11.6	35.0
o-Xylene	Ave	1.461	1.171		40.1	50.0	-19.8	35.0
trans-1,4-Dichloro-2-butene	Ave	0.2743	0.3686		67.2	50.0	34.4	50.0
1,2,3-Trichloropropane	Ave	0.2667	0.3171		59.4	50.0	18.9	35.0
Isopropylbenzene	Ave	3.244	2.778		42.8	50.0	-14.4	35.0
Bromobenzene	Ave	1.026	0.8556		41.7	50.0	-16.6	35.0
N-Propylbenzene	Ave	0.9513	0.8126		42.7	50.0	-14.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121151/2 Calibration Date: 11/21/2013 09:50

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32501.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	0.9076	0.7452		41.1	50.0	-17.9	35.0
4-Chlorotoluene	Ave	2.525	2.117		41.9	50.0	-16.2	35.0
1,3,5-Trimethylbenzene	Ave	2.821	2.373		42.1	50.0	-15.9	35.0
Pentachloroethane	Qua	0.4197	0.5064		77.6	50.0	55.3	
tert-Butylbenzene	Ave	2.656	2.189		41.2	50.0	-17.6	35.0
1,2,4-Trimethylbenzene	Ave	3.008	2.525		42.0	50.0	-16.1	35.0
sec-Butylbenzene	Ave	3.554	2.913		41.0	50.0	-18.0	35.0
Benzyl chloride	Ave	1.733	1.985		57.3	50.0	14.5	35.0
1,3-Dichlorobenzene	Ave	1.962	1.608		41.0	50.0	-18.0	35.0
1,4-Dichlorobenzene	Ave	1.978	1.637		41.4	50.0	-17.3	35.0
4-Isopropyltoluene	Ave	3.432	2.766		40.3	50.0	-19.4	35.0
1,2,3-Trimethylbenzene	Ave	3.192	2.682		42.0	50.0	-16.0	35.0
1,2-Dichlorobenzene	Ave	1.913	1.623		42.4	50.0	-15.2	35.0
n-Butylbenzene	Ave	2.834	2.321		41.0	50.0	-18.1	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.2182	0.2906		66.6	50.0	33.2	35.0
1,3,5-Trichlorobenzene	Ave	1.462	1.125		38.5	50.0	-23.0	35.0
1,2,4-Trichlorobenzene	Ave	1.307	1.040		39.8	50.0	-20.4	35.0
Naphthalene	Ave	3.071	4.769		77.6	50.0	55.3*	35.0
Hexachlorobutadiene	Lin1	0.3442	0.2539		39.5	50.0	-21.0	35.0
1,2,3-Trichlorobenzene	Ave	1.185	0.9869		41.6	50.0	-16.7	35.0
Dibromofluoromethane	Ave	0.3994	0.3447		43.2	50.0	-13.7	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4410	0.4618		52.4	50.0	4.7	35.0
Toluene-d8 (Surr)	Ave	2.683	2.194		40.9	50.0	-18.2	35.0
4-Bromofluorobenzene	Ave	1.013	0.8812		43.5	50.0	-13.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121251/2 Calibration Date: 11/22/2013 09:43

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32601.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4984	0.4905		49.2	50.0	-1.6	35.0
Chloromethane	Ave	0.5367	0.5221	0.1000	48.6	50.0	-2.7	35.0
Vinyl chloride	Ave	0.4158	0.4105		49.4	50.0	-1.3	20.0
Butadiene	Ave	0.3098	0.3363		54.3	50.0	8.5	50.0
Ethylene oxide	Qua	0.0447	0.0636		1296	1000	29.6	50.0
Bromomethane	Ave	0.2933	0.2663		45.4	50.0	-9.2	35.0
Chloroethane	Ave	0.2230	0.1886		42.3	50.0	-15.4	35.0
Acrolein	Ave	0.0259	0.0219		211	250	-15.4	50.0
Trichlorofluoromethane	Ave	0.6341	0.5098		40.2	50.0	-19.6	35.0
Acetone	Lin1	0.0956	0.1197		132	100	32.3	50.0
Ethyl ether	Ave	0.2976	0.2755		46.3	50.0	-7.4	50.0
1,1-Dichloroethene	Ave	0.3723	0.3377		45.4	50.0	-9.3	20.0
Acrylonitrile	Ave	0.1029	0.1819		884	500	76.8*	50.0
Iodomethane	Ave	0.7938	0.8368		52.7	50.0	5.4	35.0
Methylene Chloride	None				40.1	50.0	-19.9	50.0
Methyl acetate	Ave	0.2849	0.4997		439	250	75.4*	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3629	0.2682		37.0	50.0	-26.1	35.0
3-Chloro-1-propene	Ave	0.1778	0.1389		39.1	50.0	-21.9	35.0
Acetonitrile	Ave	0.0648	0.0543		419	500	-16.2	35.0
Carbon disulfide	Ave	1.194	1.029		43.1	50.0	-13.8	35.0
trans-1,2-Dichloroethene	Ave	0.3691	0.3040		41.2	50.0	-17.7	35.0
Methyl tert-butyl ether	Ave	0.9943	0.9763		49.1	50.0	-1.8	35.0
Propionitrile	Ave	0.0460	0.0940		1021	500	104.3*	35.0
1,1-Dichloroethane	Ave	0.6892	0.5875	0.1000	42.6	50.0	-14.8	35.0
Vinyl acetate	Ave	0.6133	0.8512		139	100	38.8	50.0
2-Chloro-1,3-butadiene	Ave	0.6570	0.6337		48.2	50.0	-3.5	35.0
2-Butanone (MEK)	Ave	0.0328	0.0377		115	100	14.9	50.0
Hexane	Ave	0.5706	0.5338		46.8	50.0	-6.4	35.0
Isopropyl ether	Ave	1.383	1.240		44.8	50.0	-10.3	35.0
Methacrylonitrile	Ave	0.0409	0.0627		766	500	53.3*	35.0
cis-1,2-Dichloroethene	Ave	0.3975	0.3469		43.6	50.0	-12.7	50.0
Ethyl acetate	Ave	0.3097	0.5218		169	100	68.5*	35.0
Isobutyl alcohol	Ave	0.0248	0.0417		2106	1250	68.5*	50.0
Bromochloromethane	Ave	0.2237	0.2083		46.6	50.0	-6.9	35.0
Chloroform	Ave	0.7445	0.7071		47.5	50.0	-5.0	20.0
2,2-Dichloropropane	Ave	0.4039	0.4164		51.6	50.0	3.1	35.0
Tetrahydrofuran	Ave	0.1175	0.2227		190	100	89.6*	35.0
1,2-Dichloroethane	Ave	0.5976	0.6371		53.3	50.0	6.6	35.0
1,1,1-Trichloroethane	Ave	0.6280	0.5247		41.8	50.0	-16.4	35.0
1,1-Dichloropropene	Ave	0.4498	0.4058		45.1	50.0	-9.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121251/2 Calibration Date: 11/22/2013 09:43

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32601.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl methacrylate	Ave	0.1903	0.1673		87.9	100	-12.1	50.0
Cyclohexane	Ave	0.4036	0.3050		37.8	50.0	-24.4	35.0
Carbon tetrachloride	Ave	0.6188	0.5134		41.5	50.0	-17.0	35.0
Benzene	Ave	1.221	1.084		44.4	50.0	-11.2	35.0
2-Nitropropane	Ave	0.2019	0.2033		101	100	0.7	35.0
Isooctane	Lin	1.113	0.7396		38.2	50.0	-23.6	35.0
Ethyl acrylate	Ave	0.6420	0.8529		66.4	50.0	32.9	35.0
n-Heptane	Ave	0.6719	0.6444		48.0	50.0	-4.1	35.0
Dibromomethane	Ave	0.2389	0.2522		52.8	50.0	5.5	35.0
1,2-Dichloropropane	Ave	0.3609	0.3555		49.3	50.0	-1.5	20.0
Trichloroethene	Ave	0.4490	0.3883		43.3	50.0	-13.5	35.0
1,4-Dioxane	Lin	1.823	1.830		1220	1000	22.0	50.0
2-Chloroethyl vinyl ether	Ave	0.4690	0.5408		115	100	15.3	35.0
Methylcyclohexane	Ave	0.5247	0.4106		39.1	50.0	-21.7	35.0
cis-1,3-Dichloropropene	Ave	1.279	1.123		43.9	50.0	-12.2	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3702	0.6137		166	100	65.8*	50.0
trans-1,3-Dichloropropene	Ave	1.161	1.127		48.5	50.0	-2.9	35.0
Bromodichloromethane	Ave	0.2545	0.2600		51.1	50.0	2.2	35.0
1,1,2-Trichloroethane	Ave	0.7143	0.6988		48.9	50.0	-2.2	35.0
Ethyl methacrylate	Ave	0.8611	0.9545		55.4	50.0	10.8	50.0
Toluene	Ave	1.825	1.711		46.9	50.0	-6.3	20.0
1,3-Dichloropropane	Ave	1.088	1.063		48.9	50.0	-2.3	35.0
2-Hexanone	Ave	0.6093	1.030		169	100	69.1*	50.0
Chlorodibromomethane	Ave	1.089	1.030		47.3	50.0	-5.4	35.0
n-Butyl acetate	Ave	1.349	1.744		64.6	50.0	29.2	35.0
1,2-Dibromoethane	Ave	0.8297	0.8653		52.1	50.0	4.3	35.0
Tetrachloroethene	Ave	0.9889	0.7952		40.2	50.0	-19.6	35.0
1-Chlorohexane	Ave	0.8452	0.7515		44.5	50.0	-11.1	35.0
1,1,1,2-Tetrachloroethane	Ave	1.020	0.8873		43.5	50.0	-13.0	35.0
Chlorobenzene	Ave	2.363	1.998	0.3000	42.3	50.0	-15.4	35.0
Ethylbenzene	Ave	1.194	1.131		47.4	50.0	-5.2	20.0
m-Xylene & p-Xylene	Ave	1.467	1.258		42.9	50.0	-14.3	35.0
Bromoform	Ave	0.6153	0.7445	0.1000	60.5	50.0	21.0	35.0
Styrene	Ave	2.293	1.999		43.6	50.0	-12.8	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9467	1.185	0.3000	62.6	50.0	25.2	35.0
o-Xylene	Ave	1.461	1.232		42.2	50.0	-15.6	35.0
trans-1,4-Dichloro-2-butene	Ave	0.2743	0.4115		75.0	50.0	50.0	50.0
1,2,3-Trichloropropane	Ave	0.2667	0.3672		68.9	50.0	37.7*	35.0
Isopropylbenzene	Ave	3.244	3.046		47.0	50.0	-6.1	35.0
Bromobenzene	Ave	1.026	0.9564		46.6	50.0	-6.8	35.0
n-Propylbenzene	Ave	0.9513	0.8904		46.8	50.0	-6.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-121251/2 Calibration Date: 11/22/2013 09:43

Instrument ID: VOAMS09 Calib Start Date: 11/18/2013 15:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/18/2013 17:40

Lab File ID: k32601.D Conc. Units: ug/Kg Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	0.9076	0.8286		45.7	50.0	-8.7	35.0
4-Chlorotoluene	Ave	2.525	2.344		46.4	50.0	-7.2	35.0
1,3,5-Trimethylbenzene	Ave	2.821	2.576		45.7	50.0	-8.7	35.0
Pentachloroethane	Qua	0.4197	0.5748		88.1	50.0	76.1	
tert-Butylbenzene	Ave	2.656	2.398		45.2	50.0	-9.7	35.0
1,2,4-Trimethylbenzene	Ave	3.008	2.764		46.0	50.0	-8.1	35.0
sec-Butylbenzene	Ave	3.554	3.119		43.9	50.0	-12.2	35.0
Benzyl chloride	Ave	1.733	2.326		67.1	50.0	34.2	35.0
1,3-Dichlorobenzene	Ave	1.962	1.806		46.0	50.0	-7.9	35.0
1,4-Dichlorobenzene	Ave	1.978	1.857		46.9	50.0	-6.1	35.0
4-Isopropyltoluene	Ave	3.432	2.977		43.4	50.0	-13.3	35.0
1,2,3-Trimethylbenzene	Ave	3.192	2.909		45.6	50.0	-8.8	35.0
1,2-Dichlorobenzene	Ave	1.913	1.794		46.9	50.0	-6.2	35.0
n-Butylbenzene	Ave	2.834	2.383		42.0	50.0	-15.9	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.2182	0.3609		82.7	50.0	65.4*	35.0
1,3,5-Trichlorobenzene	Ave	1.462	1.193		40.8	50.0	-18.4	35.0
1,2,4-Trichlorobenzene	Ave	1.307	1.145		43.8	50.0	-12.4	35.0
Naphthalene	Ave	3.071	3.944		64.2	50.0	28.4	35.0
Hexachlorobutadiene	Lin1	0.3442	0.2589		40.3	50.0	-19.3	35.0
1,2,3-Trichlorobenzene	Ave	1.185	1.094		46.1	50.0	-7.7	35.0
Dibromofluoromethane	Ave	0.3994	0.3590		44.9	50.0	-10.1	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4410	0.4592		52.1	50.0	4.1	35.0
Toluene-d8 (Surr)	Ave	2.683	2.225		41.5	50.0	-17.1	35.0
4-Bromofluorobenzene	Ave	1.013	0.9403		46.4	50.0	-7.2	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121113/4

Matrix: Solid | Lab File ID: E32404.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 12:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Bromochloromethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	5.364	J	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Chlorodibromomethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121113/4

Matrix: Solid | Lab File ID: E32404.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 12:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	2.37	U	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121113/4

Matrix: Solid | Lab File ID: E32404.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 12:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	78		68-140
460-00-4	4-Bromofluorobenzene	88		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121151/4

Matrix: Solid | Lab File ID: k32504.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 11:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Bromochloromethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	2.19	U	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Chlorodibromomethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121151/4

Matrix: Solid | Lab File ID: k32504.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 11:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	4.480	J	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 600-121151/4

Matrix: Solid Lab File ID: k32504.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/21/2013 11:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121151 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	96		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121230/5

Matrix: Solid | Lab File ID: E32505.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 15:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Bromochloromethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	7.241	J	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Chlorodibromomethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121230/5

Matrix: Solid | Lab File ID: E32505.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 15:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	2.37	U	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121230/5

Matrix: Solid | Lab File ID: E32505.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 15:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		50-130
1868-53-7	Dibromofluoromethane	77		68-140
460-00-4	4-Bromofluorobenzene	86		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121251/4

Matrix: Solid | Lab File ID: k32604.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/22/2013 12:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Bromochloromethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	2.19	U	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Chlorodibromomethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121251/4

Matrix: Solid | Lab File ID: k32604.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/22/2013 12:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	3.469	J	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 600-121251/4

Matrix: Solid Lab File ID: k32604.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/22/2013 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		50-130
1868-53-7	Dibromofluoromethane	102		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121357/8

Matrix: Solid | Lab File ID: k32810.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Bromochloromethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	2.19	U	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Chlorodibromomethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	U	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121357/8

Matrix: Solid | Lab File ID: k32810.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	2.37	U	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121357/8

Matrix: Solid | Lab File ID: k32810.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		50-130
1868-53-7	Dibromofluoromethane	100		68-140
460-00-4	4-Bromofluorobenzene	96		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121548/2-A

Matrix: Solid | Lab File ID: J33004.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 4(g) | Date Analyzed: 11/26/2013 12:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	434.3	J	1250	104
75-00-3	Chloroethane	175	U	1250	175
78-93-3	2-Butanone (MEK)	238	U	1250	238
74-97-5	Bromochloromethane	223	U	625	223
74-87-3	Chloromethane	208	U	1250	208
56-23-5	Carbon tetrachloride	141	U	625	141
71-43-2	Benzene	78.8	U	625	78.8
75-35-4	1,1-Dichloroethene	153	U	625	153
107-06-2	1,2-Dichloroethane	113	U	625	113
156-59-2	cis-1,2-Dichloroethene	104	U	625	104
156-60-5	trans-1,2-Dichloroethene	143	U	625	143
75-34-3	1,1-Dichloroethane	109	U	625	109
78-87-5	1,2-Dichloropropane	88.8	U	625	88.8
67-66-3	Chloroform	82.5	U	625	82.5
75-09-2	Methylene Chloride	274	U	1250	274
10061-01-5	cis-1,3-Dichloropropene	67.5	U	625	67.5
108-88-3	Toluene	173	U	625	173
10061-02-6	trans-1,3-Dichloropropene	72.5	U	625	72.5
71-55-6	1,1,1-Trichloroethane	92.5	U	625	92.5
79-00-5	1,1,2-Trichloroethane	91.3	U	5000	91.3
127-18-4	Tetrachloroethene	88.8	U	625	88.8
79-01-6	Trichloroethene	175	U	625	175
124-48-1	Chlorodibromomethane	118	U	625	118
75-01-4	Vinyl chloride	113	U	1250	113
108-90-7	Chlorobenzene	120	U	625	120
100-41-4	Ethylbenzene	128	U	625	128
179601-23-1	m-Xylene & p-Xylene	190	U	1250	190
1330-20-7	Xylenes, Total	141	U	625	141
95-47-6	o-Xylene	141	U	625	141
100-42-5	Styrene	88.8	U	625	88.8
75-25-2	Bromoform	171	U	625	171
75-27-4	Bromodichloromethane	82.5	U	625	82.5
79-34-5	1,1,2,2-Tetrachloroethane	109	U	625	109
75-71-8	Dichlorodifluoromethane	193	U	625	193
95-63-6	1,2,4-Trimethylbenzene	115	U	625	115
95-49-8	2-Chlorotoluene	85.0	U	625	85.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121548/2-A

Matrix: Solid | Lab File ID: J33004.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 4(g) | Date Analyzed: 11/26/2013 12:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	93.8	U	625	93.8
563-58-6	1,1-Dichloropropene	81.3	U	625	81.3
541-73-1	1,3-Dichlorobenzene	88.8	U	625	88.8
104-51-8	n-Butylbenzene	72.5	U	625	72.5
1634-04-4	Methyl tert-butyl ether	229	U	625	229
106-43-4	4-Chlorotoluene	104	U	625	104
96-12-8	1,2-Dibromo-3-Chloropropane	305	U	625	305
120-82-1	1,2,4-Trichlorobenzene	246	U	625	246
108-86-1	Bromobenzene	124	U	625	124
87-68-3	Hexachlorobutadiene	141	U	625	141
95-50-1	1,2-Dichlorobenzene	100	U	625	100
91-20-3	Naphthalene	2843		1250	296
630-20-6	1,1,1,2-Tetrachloroethane	175	U	625	175
135-98-8	sec-Butylbenzene	87.5	U	625	87.5
110-75-8	2-Chloroethyl vinyl ether	123	U	1250	123
98-82-8	Isopropylbenzene	115	U	625	115
594-20-7	2,2-Dichloropropane	228	U	625	228
103-65-1	N-Propylbenzene	119	U	625	119
75-69-4	Trichlorofluoromethane	82.5	U	1250	82.5
99-87-6	4-Isopropyltoluene	128	U	625	128
87-61-6	1,2,3-Trichlorobenzene	77.5	U	625	77.5
96-18-4	1,2,3-Trichloropropane	164	U	625	164
108-67-8	1,3,5-Trimethylbenzene	200	U	625	200
106-93-4	1,2-Dibromoethane	128	U	625	128
98-06-6	tert-Butylbenzene	119	U	625	119
106-46-7	1,4-Dichlorobenzene	82.5	U	625	82.5
142-28-9	1,3-Dichloropropane	78.8	U	625	78.8
75-15-0	Carbon disulfide	68.8	U	1250	68.8
67-64-1	Acetone	208	U	1250	208

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 600-121548/2-A

Matrix: Solid Lab File ID: J33004.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 4(g) Date Analyzed: 11/26/2013 12:25

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 10(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-130
1868-53-7	Dibromofluoromethane	93		68-140
460-00-4	4-Bromofluorobenzene	90		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121704/4

Matrix: Solid | Lab File ID: E33004.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 15:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.830	U	10.0	0.830
75-00-3	Chloroethane	1.40	U	10.0	1.40
78-93-3	2-Butanone (MEK)	1.90	U	10.0	1.90
74-97-5	Chlorobromomethane	1.78	U	5.00	1.78
74-87-3	Chloromethane	1.66	U	10.0	1.66
56-23-5	Carbon tetrachloride	1.13	U	5.00	1.13
71-43-2	Benzene	0.630	U	5.00	0.630
75-35-4	1,1-Dichloroethene	1.22	U	5.00	1.22
107-06-2	1,2-Dichloroethane	0.900	U	5.00	0.900
156-59-2	cis-1,2-Dichloroethene	0.830	U	5.00	0.830
156-60-5	trans-1,2-Dichloroethene	1.14	U	5.00	1.14
75-34-3	1,1-Dichloroethane	0.870	U	5.00	0.870
78-87-5	1,2-Dichloropropane	0.710	U	5.00	0.710
67-66-3	Chloroform	0.660	U	5.00	0.660
75-09-2	Methylene Chloride	2.472	J	10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	0.540	U	5.00	0.540
108-88-3	Toluene	1.38	U	5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	0.580	U	5.00	0.580
71-55-6	1,1,1-Trichloroethane	0.740	U	5.00	0.740
79-00-5	1,1,2-Trichloroethane	0.730	U	40.0	0.730
127-18-4	Tetrachloroethene	0.710	U	5.00	0.710
79-01-6	Trichloroethene	1.40	U	5.00	1.40
124-48-1	Dibromochloromethane	0.940	U	5.00	0.940
75-01-4	Vinyl chloride	0.900	U	10.0	0.900
108-90-7	Chlorobenzene	0.960	U	5.00	0.960
100-41-4	Ethylbenzene	1.02	U	5.00	1.02
179601-23-1	m-Xylene & p-Xylene	1.52	U	10.0	1.52
1330-20-7	Xylenes, Total	1.13	U	5.00	1.13
95-47-6	o-Xylene	1.13	U	5.00	1.13
100-42-5	Styrene	0.710	U	5.00	0.710
75-25-2	Bromoform	1.37	U	5.00	1.37
75-27-4	Bromodichloromethane	0.660	U	5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870
75-71-8	Dichlorodifluoromethane	1.54	U	5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	0.920	J	5.00	0.920
95-49-8	2-Chlorotoluene	0.680	U	5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121704/4

Matrix: Solid | Lab File ID: E33004.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 15:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	0.750	U	5.00	0.750
563-58-6	1,1-Dichloropropene	0.650	U	5.00	0.650
541-73-1	1,3-Dichlorobenzene	0.710	U	5.00	0.710
104-51-8	n-Butylbenzene	0.580	U	5.00	0.580
1634-04-4	Methyl tert-butyl ether	1.83	U	5.00	1.83
106-43-4	4-Chlorotoluene	0.830	U	5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	1.97	U	5.00	1.97
108-86-1	Bromobenzene	0.990	U	5.00	0.990
87-68-3	Hexachlorobutadiene	1.13	U	5.00	1.13
95-50-1	1,2-Dichlorobenzene	0.800	U	5.00	0.800
91-20-3	Naphthalene	2.37	U	10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	1.40	U	5.00	1.40
135-98-8	sec-Butylbenzene	0.700	U	5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	0.980	U	10.0	0.980
98-82-8	Isopropylbenzene	0.920	U	5.00	0.920
594-20-7	2,2-Dichloropropane	1.82	U	5.00	1.82
103-65-1	N-Propylbenzene	0.950	U	5.00	0.950
75-69-4	Trichlorofluoromethane	0.660	U	10.0	0.660
99-87-6	4-Isopropyltoluene	1.02	U	5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	0.620	U	5.00	0.620
96-18-4	1,2,3-Trichloropropane	1.31	U	5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	1.60	U	5.00	1.60
106-93-4	1,2-Dibromoethane	1.02	U	5.00	1.02
98-06-6	tert-Butylbenzene	0.950	U	5.00	0.950
106-46-7	1,4-Dichlorobenzene	0.660	U	5.00	0.660
142-28-9	1,3-Dichloropropane	0.630	U	5.00	0.630
75-15-0	Carbon disulfide	0.550	U	10.0	0.550
67-64-1	Acetone	1.66	U	10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-121704/4

Matrix: Solid | Lab File ID: E33004.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 15:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		50-130
1868-53-7	Dibromofluoromethane	86		68-140
460-00-4	4-Bromofluorobenzene	90		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121113/3

Matrix: Solid | Lab File ID: E32402.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 11:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	48.34		10.0	0.830
75-00-3	Chloroethane	52.25		10.0	1.40
78-93-3	2-Butanone (MEK)	87.28		10.0	1.90
74-97-5	Bromochloromethane	50.28		5.00	1.78
74-87-3	Chloromethane	51.67		10.0	1.66
56-23-5	Carbon tetrachloride	52.53		5.00	1.13
71-43-2	Benzene	52.56		5.00	0.630
75-35-4	1,1-Dichloroethene	55.27		5.00	1.22
107-06-2	1,2-Dichloroethane	52.31		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	51.32		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	51.53		5.00	1.14
75-34-3	1,1-Dichloroethane	53.47		5.00	0.870
78-87-5	1,2-Dichloropropane	51.71		5.00	0.710
67-66-3	Chloroform	52.44		5.00	0.660
75-09-2	Methylene Chloride	60.38		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	47.47		5.00	0.540
108-88-3	Toluene	50.13		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	47.66		5.00	0.580
71-55-6	1,1,1-Trichloroethane	51.56		5.00	0.740
79-00-5	1,1,2-Trichloroethane	49.17		40.0	0.730
127-18-4	Tetrachloroethene	54.32		5.00	0.710
79-01-6	Trichloroethene	52.08		5.00	1.40
124-48-1	Chlorodibromomethane	50.39		5.00	0.940
75-01-4	Vinyl chloride	51.35		10.0	0.900
108-90-7	Chlorobenzene	49.18		5.00	0.960
100-41-4	Ethylbenzene	50.05		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	98.39		10.0	1.52
1330-20-7	Xylenes, Total	145.6		5.00	1.13
95-47-6	o-Xylene	47.16		5.00	1.13
100-42-5	Styrene	50.85		5.00	0.710
75-25-2	Bromoform	51.26		5.00	1.37
75-27-4	Bromodichloromethane	52.43		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	47.85		5.00	0.870
75-71-8	Dichlorodifluoromethane	44.31		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	48.03		5.00	0.920
95-49-8	2-Chlorotoluene	46.42		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121113/3

Matrix: Solid | Lab File ID: E32402.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 11:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	51.23		5.00	0.750
563-58-6	1,1-Dichloropropene	51.09		5.00	0.650
541-73-1	1,3-Dichlorobenzene	48.04		5.00	0.710
104-51-8	n-Butylbenzene	52.23		5.00	0.580
1634-04-4	Methyl tert-butyl ether	47.59		5.00	1.83
106-43-4	4-Chlorotoluene	48.85		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	46.33		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	52.30		5.00	1.97
108-86-1	Bromobenzene	52.31		5.00	0.990
87-68-3	Hexachlorobutadiene	51.00		5.00	1.13
95-50-1	1,2-Dichlorobenzene	48.12		5.00	0.800
91-20-3	Naphthalene	50.69		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	49.51		5.00	1.40
135-98-8	sec-Butylbenzene	46.92		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	237.6		10.0	0.980
98-82-8	Isopropylbenzene	48.14		5.00	0.920
594-20-7	2,2-Dichloropropane	51.47		5.00	1.82
103-65-1	N-Propylbenzene	49.91		5.00	0.950
75-69-4	Trichlorofluoromethane	52.30		10.0	0.660
99-87-6	4-Isopropyltoluene	53.44		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	49.27		5.00	0.620
96-18-4	1,2,3-Trichloropropane	58.63		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	49.30		5.00	1.60
106-93-4	1,2-Dibromoethane	50.98		5.00	1.02
98-06-6	tert-Butylbenzene	48.29		5.00	0.950
106-46-7	1,4-Dichlorobenzene	48.15		5.00	0.660
142-28-9	1,3-Dichloropropane	50.00		5.00	0.630
75-15-0	Carbon disulfide	49.14		10.0	0.550
67-64-1	Acetone	50.79		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121113/3

Matrix: Solid | Lab File ID: E32402.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 11:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	78		68-140
460-00-4	4-Bromofluorobenzene	78		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	75		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121151/3

Matrix: Solid | Lab File ID: k32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	41.02		10.0	0.830
75-00-3	Chloroethane	39.58		10.0	1.40
78-93-3	2-Butanone (MEK)	159.4		10.0	1.90
74-97-5	Bromochloromethane	44.57		5.00	1.78
74-87-3	Chloromethane	43.40		10.0	1.66
56-23-5	Carbon tetrachloride	39.86		5.00	1.13
71-43-2	Benzene	41.90		5.00	0.630
75-35-4	1,1-Dichloroethene	41.08		5.00	1.22
107-06-2	1,2-Dichloroethane	52.70		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	40.70		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	39.36		5.00	1.14
75-34-3	1,1-Dichloroethane	42.31		5.00	0.870
78-87-5	1,2-Dichloropropane	41.87		5.00	0.710
67-66-3	Chloroform	41.52		5.00	0.660
75-09-2	Methylene Chloride	40.67		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	42.23		5.00	0.540
108-88-3	Toluene	37.95		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	45.03		5.00	0.580
71-55-6	1,1,1-Trichloroethane	43.24		5.00	0.740
79-00-5	1,1,2-Trichloroethane	45.35		40.0	0.730
127-18-4	Tetrachloroethene	37.20		5.00	0.710
79-01-6	Trichloroethene	40.10		5.00	1.40
124-48-1	Chlorodibromomethane	45.37		5.00	0.940
75-01-4	Vinyl chloride	41.86		10.0	0.900
108-90-7	Chlorobenzene	38.91		5.00	0.960
100-41-4	Ethylbenzene	38.54		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	38.72		10.0	1.52
1330-20-7	Xylenes, Total	76.84		5.00	1.13
95-47-6	o-Xylene	38.12		5.00	1.13
100-42-5	Styrene	39.75		5.00	0.710
75-25-2	Bromoform	49.67		5.00	1.37
75-27-4	Bromodichloromethane	49.00		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	57.14		5.00	0.870
75-71-8	Dichlorodifluoromethane	37.75		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	37.75		5.00	0.920
95-49-8	2-Chlorotoluene	36.65		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121151/3

Matrix: Solid | Lab File ID: k32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	50.08		5.00	0.750
563-58-6	1,1-Dichloropropene	43.37		5.00	0.650
541-73-1	1,3-Dichlorobenzene	37.12		5.00	0.710
104-51-8	n-Butylbenzene	39.03		5.00	0.580
1634-04-4	Methyl tert-butyl ether	46.11		5.00	1.83
106-43-4	4-Chlorotoluene	37.93		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	64.31		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	40.04		5.00	1.97
108-86-1	Bromobenzene	36.94		5.00	0.990
87-68-3	Hexachlorobutadiene	41.58		5.00	1.13
95-50-1	1,2-Dichlorobenzene	37.65		5.00	0.800
91-20-3	Naphthalene	62.53		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	39.10		5.00	1.40
135-98-8	sec-Butylbenzene	37.69		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	111.8		10.0	0.980
98-82-8	Isopropylbenzene	37.78		5.00	0.920
594-20-7	2,2-Dichloropropane	45.95		5.00	1.82
103-65-1	N-Propylbenzene	37.72		5.00	0.950
75-69-4	Trichlorofluoromethane	41.16		10.0	0.660
99-87-6	4-Isopropyltoluene	37.64		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	40.66		5.00	0.620
96-18-4	1,2,3-Trichloropropane	54.65		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	38.12		5.00	1.60
106-93-4	1,2-Dibromoethane	47.69		5.00	1.02
98-06-6	tert-Butylbenzene	37.34		5.00	0.950
106-46-7	1,4-Dichlorobenzene	37.63		5.00	0.660
142-28-9	1,3-Dichloropropane	45.89		5.00	0.630
75-15-0	Carbon disulfide	40.31		10.0	0.550
67-64-1	Acetone	131.3		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121151/3

Matrix: Solid | Lab File ID: k32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121151 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	77		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	74		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121230/3

Matrix: Solid | Lab File ID: E32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 14:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	47.88		10.0	0.830
75-00-3	Chloroethane	50.55		10.0	1.40
78-93-3	2-Butanone (MEK)	89.64		10.0	1.90
74-97-5	Bromochloromethane	47.93		5.00	1.78
74-87-3	Chloromethane	54.07		10.0	1.66
56-23-5	Carbon tetrachloride	53.29		5.00	1.13
71-43-2	Benzene	53.35		5.00	0.630
75-35-4	1,1-Dichloroethene	55.94		5.00	1.22
107-06-2	1,2-Dichloroethane	53.15		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	48.56		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	49.10		5.00	1.14
75-34-3	1,1-Dichloroethane	52.41		5.00	0.870
78-87-5	1,2-Dichloropropane	51.12		5.00	0.710
67-66-3	Chloroform	51.58		5.00	0.660
75-09-2	Methylene Chloride	58.23		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	47.28		5.00	0.540
108-88-3	Toluene	51.07		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	47.46		5.00	0.580
71-55-6	1,1,1-Trichloroethane	52.65		5.00	0.740
79-00-5	1,1,2-Trichloroethane	47.83		40.0	0.730
127-18-4	Tetrachloroethene	56.56		5.00	0.710
79-01-6	Trichloroethene	51.51		5.00	1.40
124-48-1	Chlorodibromomethane	51.05		5.00	0.940
75-01-4	Vinyl chloride	52.99		10.0	0.900
108-90-7	Chlorobenzene	48.74		5.00	0.960
100-41-4	Ethylbenzene	49.35		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	97.54		10.0	1.52
1330-20-7	Xylenes, Total	144.9		5.00	1.13
95-47-6	o-Xylene	47.37		5.00	1.13
100-42-5	Styrene	53.73		5.00	0.710
75-25-2	Bromoform	46.63		5.00	1.37
75-27-4	Bromodichloromethane	50.68		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	47.62		5.00	0.870
75-71-8	Dichlorodifluoromethane	53.48		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	50.38		5.00	0.920
95-49-8	2-Chlorotoluene	47.02		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121230/3

Matrix: Solid | Lab File ID: E32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 14:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	50.06		5.00	0.750
563-58-6	1,1-Dichloropropene	49.31		5.00	0.650
541-73-1	1,3-Dichlorobenzene	49.47		5.00	0.710
104-51-8	n-Butylbenzene	52.96		5.00	0.580
1634-04-4	Methyl tert-butyl ether	48.03		5.00	1.83
106-43-4	4-Chlorotoluene	50.53		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	46.32		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	54.26		5.00	1.97
108-86-1	Bromobenzene	53.74		5.00	0.990
87-68-3	Hexachlorobutadiene	51.66		5.00	1.13
95-50-1	1,2-Dichlorobenzene	48.20		5.00	0.800
91-20-3	Naphthalene	50.47		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	48.60		5.00	1.40
135-98-8	sec-Butylbenzene	46.76		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	279.2		10.0	0.980
98-82-8	Isopropylbenzene	48.58		5.00	0.920
594-20-7	2,2-Dichloropropane	54.49		5.00	1.82
103-65-1	N-Propylbenzene	49.10		5.00	0.950
75-69-4	Trichlorofluoromethane	54.20		10.0	0.660
99-87-6	4-Isopropyltoluene	54.46		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	52.95		5.00	0.620
96-18-4	1,2,3-Trichloropropane	53.81		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	48.92		5.00	1.60
106-93-4	1,2-Dibromoethane	47.76		5.00	1.02
98-06-6	tert-Butylbenzene	47.90		5.00	0.950
106-46-7	1,4-Dichlorobenzene	48.40		5.00	0.660
142-28-9	1,3-Dichloropropane	50.19		5.00	0.630
75-15-0	Carbon disulfide	49.75		10.0	0.550
67-64-1	Acetone	56.63		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121230/3

Matrix: Solid | Lab File ID: E32502.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 14:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	79		68-140
460-00-4	4-Bromofluorobenzene	80		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121251/3

Matrix: Solid | Lab File ID: k32602.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/22/2013 10:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	48.09		10.0	0.830
75-00-3	Chloroethane	41.32		10.0	1.40
78-93-3	2-Butanone (MEK)	79.14		10.0	1.90
74-97-5	Bromochloromethane	38.75		5.00	1.78
74-87-3	Chloromethane	50.97		10.0	1.66
56-23-5	Carbon tetrachloride	31.95		5.00	1.13
71-43-2	Benzene	34.99		5.00	0.630
75-35-4	1,1-Dichloroethene	31.23		5.00	1.22
107-06-2	1,2-Dichloroethane	43.44		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	34.38		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	32.55		5.00	1.14
75-34-3	1,1-Dichloroethane	33.71		5.00	0.870
78-87-5	1,2-Dichloropropane	45.32		5.00	0.710
67-66-3	Chloroform	42.34		5.00	0.660
75-09-2	Methylene Chloride	32.74		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	35.63		5.00	0.540
108-88-3	Toluene	39.77		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	39.09		5.00	0.580
71-55-6	1,1,1-Trichloroethane	35.92		5.00	0.740
79-00-5	1,1,2-Trichloroethane	40.44		40.0	0.730
127-18-4	Tetrachloroethene	32.09		5.00	0.710
79-01-6	Trichloroethene	34.05		5.00	1.40
124-48-1	Chlorodibromomethane	39.01		5.00	0.940
75-01-4	Vinyl chloride	50.00		10.0	0.900
108-90-7	Chlorobenzene	33.85		5.00	0.960
100-41-4	Ethylbenzene	41.77		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	33.80		10.0	1.52
1330-20-7	Xylenes, Total	67.04		5.00	1.13
95-47-6	o-Xylene	33.24		5.00	1.13
100-42-5	Styrene	34.59		5.00	0.710
75-25-2	Bromoform	53.23		5.00	1.37
75-27-4	Bromodichloromethane	43.24		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	51.27		5.00	0.870
75-71-8	Dichlorodifluoromethane	52.40		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	38.38		5.00	0.920
95-49-8	2-Chlorotoluene	39.02		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121251/3

Matrix: Solid | Lab File ID: k32602.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/22/2013 10:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	43.86		5.00	0.750
563-58-6	1,1-Dichloropropene	35.72		5.00	0.650
541-73-1	1,3-Dichlorobenzene	38.47		5.00	0.710
104-51-8	n-Butylbenzene	35.82		5.00	0.580
1634-04-4	Methyl tert-butyl ether	39.29		5.00	1.83
106-43-4	4-Chlorotoluene	39.41		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	71.18		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	35.98		5.00	1.97
108-86-1	Bromobenzene	39.82		5.00	0.990
87-68-3	Hexachlorobutadiene	31.95		5.00	1.13
95-50-1	1,2-Dichlorobenzene	40.09		5.00	0.800
91-20-3	Naphthalene	55.57		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	34.55		5.00	1.40
135-98-8	sec-Butylbenzene	36.40		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	95.72		10.0	0.980
98-82-8	Isopropylbenzene	38.74		5.00	0.920
594-20-7	2,2-Dichloropropane	42.21		5.00	1.82
103-65-1	N-Propylbenzene	39.02		5.00	0.950
75-69-4	Trichlorofluoromethane	51.00		10.0	0.660
99-87-6	4-Isopropyltoluene	36.70		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	37.50		5.00	0.620
96-18-4	1,2,3-Trichloropropane	61.00		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	38.22		5.00	1.60
106-93-4	1,2-Dibromoethane	43.20		5.00	1.02
98-06-6	tert-Butylbenzene	37.24		5.00	0.950
106-46-7	1,4-Dichlorobenzene	39.35		5.00	0.660
142-28-9	1,3-Dichloropropane	39.57		5.00	0.630
75-15-0	Carbon disulfide	34.09		10.0	0.550
67-64-1	Acetone	111.9		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121251/3

Matrix: Solid | Lab File ID: k32602.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/22/2013 10:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	65		50-130
1868-53-7	Dibromofluoromethane	71		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121357/9

Matrix: Solid | Lab File ID: k32811.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	56.21		10.0	0.830
75-00-3	Chloroethane	55.94		10.0	1.40
78-93-3	2-Butanone (MEK)	110.7		10.0	1.90
74-97-5	Bromochloromethane	52.75		5.00	1.78
74-87-3	Chloromethane	55.39		10.0	1.66
56-23-5	Carbon tetrachloride	51.12		5.00	1.13
71-43-2	Benzene	53.36		5.00	0.630
75-35-4	1,1-Dichloroethene	49.16		5.00	1.22
107-06-2	1,2-Dichloroethane	53.24		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	52.26		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	52.03		5.00	1.14
75-34-3	1,1-Dichloroethane	52.85		5.00	0.870
78-87-5	1,2-Dichloropropane	55.33		5.00	0.710
67-66-3	Chloroform	52.56		5.00	0.660
75-09-2	Methylene Chloride	57.79		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	56.15		5.00	0.540
108-88-3	Toluene	54.86		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	52.57		5.00	0.580
71-55-6	1,1,1-Trichloroethane	51.91		5.00	0.740
79-00-5	1,1,2-Trichloroethane	55.70		40.0	0.730
127-18-4	Tetrachloroethene	64.87		5.00	0.710
79-01-6	Trichloroethene	53.68		5.00	1.40
124-48-1	Chlorodibromomethane	55.40		5.00	0.940
75-01-4	Vinyl chloride	54.13		10.0	0.900
108-90-7	Chlorobenzene	54.46		5.00	0.960
100-41-4	Ethylbenzene	53.99		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	52.75		10.0	1.52
1330-20-7	Xylenes, Total	107.0		5.00	1.13
95-47-6	o-Xylene	54.22		5.00	1.13
100-42-5	Styrene	54.33		5.00	0.710
75-25-2	Bromoform	56.05		5.00	1.37
75-27-4	Bromodichloromethane	53.58		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	52.45		5.00	0.870
75-71-8	Dichlorodifluoromethane	51.51		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	54.33		5.00	0.920
95-49-8	2-Chlorotoluene	53.69		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121357/9

Matrix: Solid | Lab File ID: k32811.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	53.78		5.00	0.750
563-58-6	1,1-Dichloropropene	49.84		5.00	0.650
541-73-1	1,3-Dichlorobenzene	52.87		5.00	0.710
104-51-8	n-Butylbenzene	50.35		5.00	0.580
1634-04-4	Methyl tert-butyl ether	54.10		5.00	1.83
106-43-4	4-Chlorotoluene	52.29		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	54.76		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	51.54		5.00	1.97
108-86-1	Bromobenzene	53.92		5.00	0.990
87-68-3	Hexachlorobutadiene	49.86		5.00	1.13
95-50-1	1,2-Dichlorobenzene	53.08		5.00	0.800
91-20-3	Naphthalene	51.26		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	57.34		5.00	1.40
135-98-8	sec-Butylbenzene	51.81		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	113.3		10.0	0.980
98-82-8	Isopropylbenzene	53.20		5.00	0.920
594-20-7	2,2-Dichloropropane	50.14		5.00	1.82
103-65-1	N-Propylbenzene	52.18		5.00	0.950
75-69-4	Trichlorofluoromethane	52.32		10.0	0.660
99-87-6	4-Isopropyltoluene	52.47		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	52.39		5.00	0.620
96-18-4	1,2,3-Trichloropropane	53.48		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	54.32		5.00	1.60
106-93-4	1,2-Dibromoethane	54.20		5.00	1.02
98-06-6	tert-Butylbenzene	53.18		5.00	0.950
106-46-7	1,4-Dichlorobenzene	52.41		5.00	0.660
142-28-9	1,3-Dichloropropane	54.62		5.00	0.630
75-15-0	Carbon disulfide	49.31		10.0	0.550
67-64-1	Acetone	120.0		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121357/9

Matrix: Solid | Lab File ID: k32811.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		50-130
1868-53-7	Dibromofluoromethane	100		68-140
460-00-4	4-Bromofluorobenzene	94		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121548/1-A

Matrix: Solid | Lab File ID: J33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 4(g) | Date Analyzed: 11/26/2013 11:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	6236		1250	104
75-00-3	Chloroethane	5527		1250	175
78-93-3	2-Butanone (MEK)	9561		1250	238
74-97-5	Bromochloromethane	5407		625	223
74-87-3	Chloromethane	5253		1250	208
56-23-5	Carbon tetrachloride	5898		625	141
71-43-2	Benzene	5418		625	78.8
75-35-4	1,1-Dichloroethene	6569		625	153
107-06-2	1,2-Dichloroethane	5687		625	113
156-59-2	cis-1,2-Dichloroethene	5518		625	104
156-60-5	trans-1,2-Dichloroethene	5785		625	143
75-34-3	1,1-Dichloroethane	5430		625	109
78-87-5	1,2-Dichloropropane	5282		625	88.8
67-66-3	Chloroform	5552		625	82.5
75-09-2	Methylene Chloride	5641		1250	274
10061-01-5	cis-1,3-Dichloropropene	5553		625	67.5
108-88-3	Toluene	5391		625	173
10061-02-6	trans-1,3-Dichloropropene	5654		625	72.5
71-55-6	1,1,1-Trichloroethane	5764		625	92.5
79-00-5	1,1,2-Trichloroethane	5318		5000	91.3
127-18-4	Tetrachloroethene	5352		625	88.8
79-01-6	Trichloroethene	5676		625	175
124-48-1	Chlorodibromomethane	5722		625	118
75-01-4	Vinyl chloride	4823		1250	113
108-90-7	Chlorobenzene	5446		625	120
100-41-4	Ethylbenzene	5381		625	128
179601-23-1	m-Xylene & p-Xylene	5458		1250	190
1330-20-7	Xylenes, Total	10840		625	141
95-47-6	o-Xylene	5384		625	141
100-42-5	Styrene	5627		625	88.8
75-25-2	Bromoform	5544		625	171
75-27-4	Bromodichloromethane	5559		625	82.5
79-34-5	1,1,2,2-Tetrachloroethane	4843		625	109
75-71-8	Dichlorodifluoromethane	5655		625	193
95-63-6	1,2,4-Trimethylbenzene	5275		625	115
95-49-8	2-Chlorotoluene	5237		625	85.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121548/1-A

Matrix: Solid | Lab File ID: J33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 4(g) | Date Analyzed: 11/26/2013 11:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	5790		625	93.8
563-58-6	1,1-Dichloropropene	5652		625	81.3
541-73-1	1,3-Dichlorobenzene	5235		625	88.8
104-51-8	n-Butylbenzene	5105		625	72.5
1634-04-4	Methyl tert-butyl ether	5435		625	229
106-43-4	4-Chlorotoluene	5270		625	104
96-12-8	1,2-Dibromo-3-Chloropropane	4943		625	305
120-82-1	1,2,4-Trichlorobenzene	5084		625	246
108-86-1	Bromobenzene	5518		625	124
87-68-3	Hexachlorobutadiene	6149		625	141
95-50-1	1,2-Dichlorobenzene	5191		625	100
91-20-3	Naphthalene	8896		1250	296
630-20-6	1,1,1,2-Tetrachloroethane	5615		625	175
135-98-8	sec-Butylbenzene	5050		625	87.5
110-75-8	2-Chloroethyl vinyl ether	2125		1250	123
98-82-8	Isopropylbenzene	5245		625	115
594-20-7	2,2-Dichloropropane	6153		625	228
103-65-1	N-Propylbenzene	5235		625	119
75-69-4	Trichlorofluoromethane	5700		1250	82.5
99-87-6	4-Isopropyltoluene	5048		625	128
87-61-6	1,2,3-Trichlorobenzene	5154		625	77.5
96-18-4	1,2,3-Trichloropropane	4950		625	164
108-67-8	1,3,5-Trimethylbenzene	5240		625	200
106-93-4	1,2-Dibromoethane	5439		625	128
98-06-6	tert-Butylbenzene	5209		625	119
106-46-7	1,4-Dichlorobenzene	5342		625	82.5
142-28-9	1,3-Dichloropropane	5309		625	78.8
75-15-0	Carbon disulfide	7083		1250	68.8
67-64-1	Acetone	9891		1250	208

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121548/1-A

Matrix: Solid | Lab File ID: J33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 4(g) | Date Analyzed: 11/26/2013 11:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		50-130
1868-53-7	Dibromofluoromethane	90		68-140
460-00-4	4-Bromofluorobenzene	86		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121704/3

Matrix: Solid | Lab File ID: E33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	56.12		10.0	0.830
75-00-3	Chloroethane	59.08		10.0	1.40
78-93-3	2-Butanone (MEK)	97.59		10.0	1.90
74-97-5	Chlorobromomethane	53.14		5.00	1.78
74-87-3	Chloromethane	58.62		10.0	1.66
56-23-5	Carbon tetrachloride	57.14		5.00	1.13
71-43-2	Benzene	55.11		5.00	0.630
75-35-4	1,1-Dichloroethene	65.60		5.00	1.22
107-06-2	1,2-Dichloroethane	59.47		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	54.16		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	54.30		5.00	1.14
75-34-3	1,1-Dichloroethane	60.15		5.00	0.870
78-87-5	1,2-Dichloropropane	55.55		5.00	0.710
67-66-3	Chloroform	58.62		5.00	0.660
75-09-2	Methylene Chloride	60.64		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	52.82		5.00	0.540
108-88-3	Toluene	53.14		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	53.19		5.00	0.580
71-55-6	1,1,1-Trichloroethane	56.33		5.00	0.740
79-00-5	1,1,2-Trichloroethane	55.54		40.0	0.730
127-18-4	Tetrachloroethene	51.50		5.00	0.710
79-01-6	Trichloroethene	50.92		5.00	1.40
124-48-1	Dibromochloromethane	54.45		5.00	0.940
75-01-4	Vinyl chloride	58.93		10.0	0.900
108-90-7	Chlorobenzene	51.24		5.00	0.960
100-41-4	Ethylbenzene	50.62		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	101.6		10.0	1.52
1330-20-7	Xylenes, Total	151.0		5.00	1.13
95-47-6	o-Xylene	49.44		5.00	1.13
100-42-5	Styrene	57.38		5.00	0.710
75-25-2	Bromoform	50.94		5.00	1.37
75-27-4	Bromodichloromethane	56.90		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	55.01		5.00	0.870
75-71-8	Dichlorodifluoromethane	58.51		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	51.02		5.00	0.920
95-49-8	2-Chlorotoluene	47.94		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121704/3

Matrix: Solid | Lab File ID: E33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	53.09		5.00	0.750
563-58-6	1,1-Dichloropropene	55.37		5.00	0.650
541-73-1	1,3-Dichlorobenzene	49.18		5.00	0.710
104-51-8	n-Butylbenzene	53.19		5.00	0.580
1634-04-4	Methyl tert-butyl ether	55.47		5.00	1.83
106-43-4	4-Chlorotoluene	52.35		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	47.74		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	51.47		5.00	1.97
108-86-1	Bromobenzene	54.48		5.00	0.990
87-68-3	Hexachlorobutadiene	44.84		5.00	1.13
95-50-1	1,2-Dichlorobenzene	46.92		5.00	0.800
91-20-3	Naphthalene	50.88		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	48.80		5.00	1.40
135-98-8	sec-Butylbenzene	48.64		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	317.1		10.0	0.980
98-82-8	Isopropylbenzene	49.56		5.00	0.920
594-20-7	2,2-Dichloropropane	59.64		5.00	1.82
103-65-1	N-Propylbenzene	52.16		5.00	0.950
75-69-4	Trichlorofluoromethane	62.09		10.0	0.660
99-87-6	4-Isopropyltoluene	54.80		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	47.71		5.00	0.620
96-18-4	1,2,3-Trichloropropane	65.40		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	51.27		5.00	1.60
106-93-4	1,2-Dibromoethane	50.71		5.00	1.02
98-06-6	tert-Butylbenzene	48.95		5.00	0.950
106-46-7	1,4-Dichlorobenzene	48.04		5.00	0.660
142-28-9	1,3-Dichloropropane	56.94		5.00	0.630
75-15-0	Carbon disulfide	56.09		10.0	0.550
67-64-1	Acetone	63.97		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-121704/3

Matrix: Solid | Lab File ID: E33002.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121113/10

Matrix: Solid | Lab File ID: E32410.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	46.42		10.0	0.830
75-00-3	Chloroethane	50.30		10.0	1.40
78-93-3	2-Butanone (MEK)	117.3		10.0	1.90
74-97-5	Bromochloromethane	55.36		5.00	1.78
74-87-3	Chloromethane	47.02		10.0	1.66
56-23-5	Carbon tetrachloride	51.13		5.00	1.13
71-43-2	Benzene	53.49		5.00	0.630
75-35-4	1,1-Dichloroethene	51.52		5.00	1.22
107-06-2	1,2-Dichloroethane	54.58		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	51.14		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	51.24		5.00	1.14
75-34-3	1,1-Dichloroethane	52.20		5.00	0.870
78-87-5	1,2-Dichloropropane	50.84		5.00	0.710
67-66-3	Chloroform	50.35		5.00	0.660
75-09-2	Methylene Chloride	58.34		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	46.51		5.00	0.540
108-88-3	Toluene	46.39		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	50.26		5.00	0.580
71-55-6	1,1,1-Trichloroethane	50.57		5.00	0.740
79-00-5	1,1,2-Trichloroethane	52.31		40.0	0.730
127-18-4	Tetrachloroethene	55.76		5.00	0.710
79-01-6	Trichloroethene	48.51		5.00	1.40
124-48-1	Chlorodibromomethane	52.71		5.00	0.940
75-01-4	Vinyl chloride	47.78		10.0	0.900
108-90-7	Chlorobenzene	47.03		5.00	0.960
100-41-4	Ethylbenzene	49.15		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	95.96		10.0	1.52
1330-20-7	Xylenes, Total	141.3		5.00	1.13
95-47-6	o-Xylene	45.38		5.00	1.13
100-42-5	Styrene	50.59		5.00	0.710
75-25-2	Bromoform	55.18		5.00	1.37
75-27-4	Bromodichloromethane	50.37		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	55.84		5.00	0.870
75-71-8	Dichlorodifluoromethane	49.72		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	48.17		5.00	0.920
95-49-8	2-Chlorotoluene	45.75		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121113/10

Matrix: Solid | Lab File ID: E32410.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/20/2013 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	52.41		5.00	0.750
563-58-6	1,1-Dichloropropene	48.54		5.00	0.650
541-73-1	1,3-Dichlorobenzene	47.49		5.00	0.710
104-51-8	n-Butylbenzene	50.33		5.00	0.580
1634-04-4	Methyl tert-butyl ether	52.58		5.00	1.83
106-43-4	4-Chlorotoluene	48.82		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	51.53		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	53.94		5.00	1.97
108-86-1	Bromobenzene	50.65		5.00	0.990
87-68-3	Hexachlorobutadiene	47.59		5.00	1.13
95-50-1	1,2-Dichlorobenzene	48.52		5.00	0.800
91-20-3	Naphthalene	56.19		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	48.44		5.00	1.40
135-98-8	sec-Butylbenzene	46.02		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	287.4		10.0	0.980
98-82-8	Isopropylbenzene	45.70		5.00	0.920
594-20-7	2,2-Dichloropropane	52.13		5.00	1.82
103-65-1	N-Propylbenzene	47.53		5.00	0.950
75-69-4	Trichlorofluoromethane	49.86		10.0	0.660
99-87-6	4-Isopropyltoluene	51.83		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	54.72		5.00	0.620
96-18-4	1,2,3-Trichloropropane	68.87		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	47.58		5.00	1.60
106-93-4	1,2-Dibromoethane	55.51		5.00	1.02
98-06-6	tert-Butylbenzene	45.53		5.00	0.950
106-46-7	1,4-Dichlorobenzene	47.44		5.00	0.660
142-28-9	1,3-Dichloropropane	51.61		5.00	0.630
75-15-0	Carbon disulfide	49.09		10.0	0.550
67-64-1	Acetone	86.05		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121113/10

Matrix: Solid Lab File ID: E32410.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/20/2013 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	83		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121230/4

Matrix: Solid | Lab File ID: E32503.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 14:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	47.23		10.0	0.830
75-00-3	Chloroethane	52.03		10.0	1.40
78-93-3	2-Butanone (MEK)	99.93		10.0	1.90
74-97-5	Bromochloromethane	55.31		5.00	1.78
74-87-3	Chloromethane	53.43		10.0	1.66
56-23-5	Carbon tetrachloride	52.58		5.00	1.13
71-43-2	Benzene	51.90		5.00	0.630
75-35-4	1,1-Dichloroethene	55.65		5.00	1.22
107-06-2	1,2-Dichloroethane	51.58		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	50.18		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	51.41		5.00	1.14
75-34-3	1,1-Dichloroethane	53.66		5.00	0.870
78-87-5	1,2-Dichloropropane	50.16		5.00	0.710
67-66-3	Chloroform	51.15		5.00	0.660
75-09-2	Methylene Chloride	57.96		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	46.73		5.00	0.540
108-88-3	Toluene	49.80		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	48.33		5.00	0.580
71-55-6	1,1,1-Trichloroethane	53.86		5.00	0.740
79-00-5	1,1,2-Trichloroethane	50.29		40.0	0.730
127-18-4	Tetrachloroethene	60.08		5.00	0.710
79-01-6	Trichloroethene	50.06		5.00	1.40
124-48-1	Chlorodibromomethane	49.96		5.00	0.940
75-01-4	Vinyl chloride	52.58		10.0	0.900
108-90-7	Chlorobenzene	49.10		5.00	0.960
100-41-4	Ethylbenzene	48.70		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	96.54		10.0	1.52
1330-20-7	Xylenes, Total	144.1		5.00	1.13
95-47-6	o-Xylene	47.60		5.00	1.13
100-42-5	Styrene	50.02		5.00	0.710
75-25-2	Bromoform	50.99		5.00	1.37
75-27-4	Bromodichloromethane	50.50		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	48.05		5.00	0.870
75-71-8	Dichlorodifluoromethane	56.52		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	48.62		5.00	0.920
95-49-8	2-Chlorotoluene	48.26		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121230/4

Matrix: Solid | Lab File ID: E32503.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/21/2013 14:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121230 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	56.66		5.00	0.750
563-58-6	1,1-Dichloropropene	49.99		5.00	0.650
541-73-1	1,3-Dichlorobenzene	51.33		5.00	0.710
104-51-8	n-Butylbenzene	51.04		5.00	0.580
1634-04-4	Methyl tert-butyl ether	50.02		5.00	1.83
106-43-4	4-Chlorotoluene	46.94		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	50.85		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	53.47		5.00	1.97
108-86-1	Bromobenzene	53.33		5.00	0.990
87-68-3	Hexachlorobutadiene	52.24		5.00	1.13
95-50-1	1,2-Dichlorobenzene	48.03		5.00	0.800
91-20-3	Naphthalene	51.38		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	49.06		5.00	1.40
135-98-8	sec-Butylbenzene	47.21		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	277.1		10.0	0.980
98-82-8	Isopropylbenzene	47.60		5.00	0.920
594-20-7	2,2-Dichloropropane	56.87		5.00	1.82
103-65-1	N-Propylbenzene	48.88		5.00	0.950
75-69-4	Trichlorofluoromethane	51.20		10.0	0.660
99-87-6	4-Isopropyltoluene	53.45		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	54.32		5.00	0.620
96-18-4	1,2,3-Trichloropropane	59.75		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	47.58		5.00	1.60
106-93-4	1,2-Dibromoethane	49.24		5.00	1.02
98-06-6	tert-Butylbenzene	47.49		5.00	0.950
106-46-7	1,4-Dichlorobenzene	48.92		5.00	0.660
142-28-9	1,3-Dichloropropane	48.29		5.00	0.630
75-15-0	Carbon disulfide	49.59		10.0	0.550
67-64-1	Acetone	61.06		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121230/4

Matrix: Solid Lab File ID: E32503.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/21/2013 14:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121230 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	75		50-130
1868-53-7	Dibromofluoromethane	78		68-140
460-00-4	4-Bromofluorobenzene	79		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121251/6

Matrix: Solid Lab File ID: k32610.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/22/2013 14:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	40.49		10.0	0.830
75-00-3	Chloroethane	38.18		10.0	1.40
78-93-3	2-Butanone (MEK)	72.67		10.0	1.90
74-97-5	Bromochloromethane	42.84		5.00	1.78
74-87-3	Chloromethane	39.63		10.0	1.66
56-23-5	Carbon tetrachloride	37.81		5.00	1.13
71-43-2	Benzene	39.94		5.00	0.630
75-35-4	1,1-Dichloroethene	36.50		5.00	1.22
107-06-2	1,2-Dichloroethane	49.73		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	39.15		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	36.25		5.00	1.14
75-34-3	1,1-Dichloroethane	38.50		5.00	0.870
78-87-5	1,2-Dichloropropane	40.17		5.00	0.710
67-66-3	Chloroform	39.83		5.00	0.660
75-09-2	Methylene Chloride	38.28		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	41.57		5.00	0.540
108-88-3	Toluene	37.24		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	45.40		5.00	0.580
71-55-6	1,1,1-Trichloroethane	37.79		5.00	0.740
79-00-5	1,1,2-Trichloroethane	46.78		40.0	0.730
127-18-4	Tetrachloroethene	40.56		5.00	0.710
79-01-6	Trichloroethene	38.06		5.00	1.40
124-48-1	Chlorodibromomethane	45.71		5.00	0.940
75-01-4	Vinyl chloride	39.62		10.0	0.900
108-90-7	Chlorobenzene	38.59		5.00	0.960
100-41-4	Ethylbenzene	38.07		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	39.18		10.0	1.52
1330-20-7	Xylenes, Total	77.70		5.00	1.13
95-47-6	o-Xylene	38.52		5.00	1.13
100-42-5	Styrene	39.23		5.00	0.710
75-25-2	Bromoform	61.12		5.00	1.37
75-27-4	Bromodichloromethane	48.07		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	60.20		5.00	0.870
75-71-8	Dichlorodifluoromethane	36.43		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	43.87		5.00	0.920
95-49-8	2-Chlorotoluene	43.64		5.00	0.680

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121251/6

Matrix: Solid Lab File ID: k32610.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/22/2013 14:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	49.85		5.00	0.750
563-58-6	1,1-Dichloropropene	40.20		5.00	0.650
541-73-1	1,3-Dichlorobenzene	44.21		5.00	0.710
104-51-8	n-Butylbenzene	41.94		5.00	0.580
1634-04-4	Methyl tert-butyl ether	44.46		5.00	1.83
106-43-4	4-Chlorotoluene	43.80		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	85.06		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	40.85		5.00	1.97
108-86-1	Bromobenzene	44.85		5.00	0.990
87-68-3	Hexachlorobutadiene	38.81		5.00	1.13
95-50-1	1,2-Dichlorobenzene	46.04		5.00	0.800
91-20-3	Naphthalene	61.80		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	40.59		5.00	1.40
135-98-8	sec-Butylbenzene	43.82		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	112.9		10.0	0.980
98-82-8	Isopropylbenzene	45.10		5.00	0.920
594-20-7	2,2-Dichloropropane	46.94		5.00	1.82
103-65-1	N-Propylbenzene	44.13		5.00	0.950
75-69-4	Trichlorofluoromethane	43.60		10.0	0.660
99-87-6	4-Isopropyltoluene	42.98		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	43.83		5.00	0.620
96-18-4	1,2,3-Trichloropropane	73.42		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	44.81		5.00	1.60
106-93-4	1,2-Dibromoethane	49.78		5.00	1.02
98-06-6	tert-Butylbenzene	44.74		5.00	0.950
106-46-7	1,4-Dichlorobenzene	44.99		5.00	0.660
142-28-9	1,3-Dichloropropane	46.21		5.00	0.630
75-15-0	Carbon disulfide	37.62		10.0	0.550
67-64-1	Acetone	106.8		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121251/6

Matrix: Solid Lab File ID: k32610.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/22/2013 14:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		50-130
1868-53-7	Dibromofluoromethane	104		68-140
460-00-4	4-Bromofluorobenzene	83		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121357/11

Matrix: Solid Lab File ID: k32814.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/24/2013 18:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121357 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	47.58		10.0	0.830
75-00-3	Chloroethane	49.44		10.0	1.40
78-93-3	2-Butanone (MEK)	109.2		10.0	1.90
74-97-5	Bromochloromethane	52.16		5.00	1.78
74-87-3	Chloromethane	48.89		10.0	1.66
56-23-5	Carbon tetrachloride	58.13		5.00	1.13
71-43-2	Benzene	55.29		5.00	0.630
75-35-4	1,1-Dichloroethene	56.80		5.00	1.22
107-06-2	1,2-Dichloroethane	52.91		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	52.88		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	54.77		5.00	1.14
75-34-3	1,1-Dichloroethane	53.74		5.00	0.870
78-87-5	1,2-Dichloropropane	55.63		5.00	0.710
67-66-3	Chloroform	53.53		5.00	0.660
75-09-2	Methylene Chloride	58.51		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	57.30		5.00	0.540
108-88-3	Toluene	58.58		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	54.22		5.00	0.580
71-55-6	1,1,1-Trichloroethane	56.76		5.00	0.740
79-00-5	1,1,2-Trichloroethane	54.69		40.0	0.730
127-18-4	Tetrachloroethene	59.19		5.00	0.710
79-01-6	Trichloroethene	57.27		5.00	1.40
124-48-1	Chlorodibromomethane	55.59		5.00	0.940
75-01-4	Vinyl chloride	50.33		10.0	0.900
108-90-7	Chlorobenzene	56.99		5.00	0.960
100-41-4	Ethylbenzene	56.94		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	57.07		10.0	1.52
1330-20-7	Xylenes, Total	114.3		5.00	1.13
95-47-6	o-Xylene	57.25		5.00	1.13
100-42-5	Styrene	56.12		5.00	0.710
75-25-2	Bromoform	56.60		5.00	1.37
75-27-4	Bromodichloromethane	53.69		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	54.47		5.00	0.870
75-71-8	Dichlorodifluoromethane	50.73		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	57.71		5.00	0.920
95-49-8	2-Chlorotoluene	57.15		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121357/11

Matrix: Solid | Lab File ID: k32814.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/24/2013 18:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121357 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	53.11		5.00	0.750
563-58-6	1,1-Dichloropropene	57.04		5.00	0.650
541-73-1	1,3-Dichlorobenzene	56.78		5.00	0.710
104-51-8	n-Butylbenzene	58.61		5.00	0.580
1634-04-4	Methyl tert-butyl ether	54.32		5.00	1.83
106-43-4	4-Chlorotoluene	57.05		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	56.34		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	58.08		5.00	1.97
108-86-1	Bromobenzene	55.89		5.00	0.990
87-68-3	Hexachlorobutadiene	59.82		5.00	1.13
95-50-1	1,2-Dichlorobenzene	55.97		5.00	0.800
91-20-3	Naphthalene	54.55		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	57.37		5.00	1.40
135-98-8	sec-Butylbenzene	59.64		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	110.8		10.0	0.980
98-82-8	Isopropylbenzene	59.16		5.00	0.920
594-20-7	2,2-Dichloropropane	57.00		5.00	1.82
103-65-1	N-Propylbenzene	58.41		5.00	0.950
75-69-4	Trichlorofluoromethane	48.91		10.0	0.660
99-87-6	4-Isopropyltoluene	59.14		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	58.00		5.00	0.620
96-18-4	1,2,3-Trichloropropane	52.68		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	58.64		5.00	1.60
106-93-4	1,2-Dibromoethane	55.58		5.00	1.02
98-06-6	tert-Butylbenzene	59.78		5.00	0.950
106-46-7	1,4-Dichlorobenzene	56.50		5.00	0.660
142-28-9	1,3-Dichloropropane	55.17		5.00	0.630
75-15-0	Carbon disulfide	53.92		10.0	0.550
67-64-1	Acetone	117.2		10.0	1.66

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 600-121357/11

Matrix: Solid Lab File ID: k32814.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/24/2013 18:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 121357 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	118		50-130
1868-53-7	Dibromofluoromethane	107		68-140
460-00-4	4-Bromofluorobenzene	106		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121704/5

Matrix: Solid | Lab File ID: E33005.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 16:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	53.80		10.0	0.830
75-00-3	Chloroethane	56.07		10.0	1.40
78-93-3	2-Butanone (MEK)	101.7		10.0	1.90
74-97-5	Chlorobromomethane	57.54		5.00	1.78
74-87-3	Chloromethane	54.41		10.0	1.66
56-23-5	Carbon tetrachloride	56.66		5.00	1.13
71-43-2	Benzene	56.49		5.00	0.630
75-35-4	1,1-Dichloroethene	58.40		5.00	1.22
107-06-2	1,2-Dichloroethane	55.55		5.00	0.900
156-59-2	cis-1,2-Dichloroethene	58.26		5.00	0.830
156-60-5	trans-1,2-Dichloroethene	59.68		5.00	1.14
75-34-3	1,1-Dichloroethane	60.95		5.00	0.870
78-87-5	1,2-Dichloropropane	60.13		5.00	0.710
67-66-3	Chloroform	57.37		5.00	0.660
75-09-2	Methylene Chloride	57.35		10.0	2.19
10061-01-5	cis-1,3-Dichloropropene	52.95		5.00	0.540
108-88-3	Toluene	58.38		5.00	1.38
10061-02-6	trans-1,3-Dichloropropene	56.55		5.00	0.580
71-55-6	1,1,1-Trichloroethane	57.31		5.00	0.740
79-00-5	1,1,2-Trichloroethane	56.97		40.0	0.730
127-18-4	Tetrachloroethene	59.33		5.00	0.710
79-01-6	Trichloroethene	58.26		5.00	1.40
124-48-1	Dibromochloromethane	56.52		5.00	0.940
75-01-4	Vinyl chloride	55.55		10.0	0.900
108-90-7	Chlorobenzene	53.22		5.00	0.960
100-41-4	Ethylbenzene	60.09		5.00	1.02
179601-23-1	m-Xylene & p-Xylene	116.5		10.0	1.52
1330-20-7	Xylenes, Total	172.9		5.00	1.13
95-47-6	o-Xylene	56.36		5.00	1.13
100-42-5	Styrene	60.28		5.00	0.710
75-25-2	Bromoform	55.34		5.00	1.37
75-27-4	Bromodichloromethane	59.38		5.00	0.660
79-34-5	1,1,2,2-Tetrachloroethane	59.66		5.00	0.870
75-71-8	Dichlorodifluoromethane	55.33		5.00	1.54
95-63-6	1,2,4-Trimethylbenzene	57.02		5.00	0.920
95-49-8	2-Chlorotoluene	54.92		5.00	0.680

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121704/5

Matrix: Solid | Lab File ID: E33005.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 16:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-95-3	Dibromomethane	55.72		5.00	0.750
563-58-6	1,1-Dichloropropene	56.09		5.00	0.650
541-73-1	1,3-Dichlorobenzene	57.09		5.00	0.710
104-51-8	n-Butylbenzene	58.48		5.00	0.580
1634-04-4	Methyl tert-butyl ether	53.04		5.00	1.83
106-43-4	4-Chlorotoluene	57.08		5.00	0.830
96-12-8	1,2-Dibromo-3-Chloropropane	47.99		5.00	2.44
120-82-1	1,2,4-Trichlorobenzene	54.77		5.00	1.97
108-86-1	Bromobenzene	59.35		5.00	0.990
87-68-3	Hexachlorobutadiene	49.45		5.00	1.13
95-50-1	1,2-Dichlorobenzene	53.08		5.00	0.800
91-20-3	Naphthalene	48.70		10.0	2.37
630-20-6	1,1,1,2-Tetrachloroethane	59.49		5.00	1.40
135-98-8	sec-Butylbenzene	55.53		5.00	0.700
110-75-8	2-Chloroethyl vinyl ether	303.6		10.0	0.980
98-82-8	Isopropylbenzene	56.25		5.00	0.920
594-20-7	2,2-Dichloropropane	59.17		5.00	1.82
103-65-1	N-Propylbenzene	59.08		5.00	0.950
75-69-4	Trichlorofluoromethane	59.44		10.0	0.660
99-87-6	4-Isopropyltoluene	62.37		5.00	1.02
87-61-6	1,2,3-Trichlorobenzene	50.20		5.00	0.620
96-18-4	1,2,3-Trichloropropane	64.11		5.00	1.31
108-67-8	1,3,5-Trimethylbenzene	57.29		5.00	1.60
106-93-4	1,2-Dibromoethane	56.21		5.00	1.02
98-06-6	tert-Butylbenzene	54.90		5.00	0.950
106-46-7	1,4-Dichlorobenzene	55.21		5.00	0.660
142-28-9	1,3-Dichloropropane	54.45		5.00	0.630
75-15-0	Carbon disulfide	55.96		10.0	0.550
67-64-1	Acetone	57.12		10.0	1.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 600-121704/5

Matrix: Solid | Lab File ID: E33005.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2013 16:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 121704 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-130
1868-53-7	Dibromofluoromethane	92		68-140
460-00-4	4-Bromofluorobenzene	96		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MS MS Lab Sample ID: 600-82738-2 MS

Matrix: Solid Lab File ID: E32406.D

Analysis Method: 8260B Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.30(g) Date Analyzed: 11/20/2013 13:40

Soil Aliquot Vol: Dilution Factor: 0.94

Soil Extract Vol.: GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 Level: (low/med) Low

Analysis Batch No.: 121113 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	54.90		5.56	1.71
74-87-3	Chloromethane	23.56		11.1	1.85
75-01-4	Vinyl chloride	30.56		11.1	1.00
74-83-9	Bromomethane	17.40		11.1	0.924
75-00-3	Chloroethane	24.62		11.1	1.56
75-69-4	Trichlorofluoromethane	44.92		11.1	0.735
75-35-4	1,1-Dichloroethene	33.07		5.56	1.36
156-60-5	trans-1,2-Dichloroethene	23.31		5.56	1.27
1634-04-4	Methyl tert-butyl ether	13.04		5.56	2.04
75-09-2	Methylene Chloride	26.91		11.1	2.44
156-59-2	cis-1,2-Dichloroethene	18.02		5.56	0.924
78-93-3	2-Butanone (MEK)	28.14		11.1	2.11
74-97-5	Bromochloromethane	13.41		5.56	1.98
56-23-5	Carbon tetrachloride	33.04		5.56	1.26
71-43-2	Benzene	18.70		5.56	0.701
107-06-2	1,2-Dichloroethane	13.36		5.56	1.00
79-01-6	Trichloroethene	20.12		5.56	1.56
71-55-6	1,1,1-Trichloroethane	27.35		5.56	0.824
75-34-3	1,1-Dichloroethane	20.25		5.56	0.968
78-87-5	1,2-Dichloropropane	15.53		5.56	0.790
594-20-7	2,2-Dichloropropane	26.22		5.56	2.03
74-95-3	Dibromomethane	15.65		5.56	0.835
67-66-3	Chloroform	17.01		5.56	0.735
75-27-4	Bromodichloromethane	14.24		5.56	0.735
110-75-8	2-Chloroethyl vinyl ether	71.97		11.1	1.09
563-58-6	1,1-Dichloropropene	29.38		5.56	0.723
10061-01-5	cis-1,3-Dichloropropene	11.64		5.56	0.601
108-88-3	Toluene	19.16		5.56	1.54
10061-02-6	trans-1,3-Dichloropropene	14.05		5.56	0.646
79-00-5	1,1,2-Trichloroethane	14.18	J	44.5	0.812
127-18-4	Tetrachloroethene	27.10		5.56	0.790
142-28-9	1,3-Dichloropropane	12.16		5.56	0.701
124-48-1	Chlorodibromomethane	14.01		5.56	1.05
106-93-4	1,2-Dibromoethane	12.92		5.56	1.14
108-90-7	Chlorobenzene	14.59		5.56	1.07
630-20-6	1,1,1,2-Tetrachloroethane	13.66		5.56	1.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MS MS | Lab Sample ID: 600-82738-2 MS

Matrix: Solid | Lab File ID: E32406.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.30(g) | Date Analyzed: 11/20/2013 13:40

Soil Aliquot Vol: | Dilution Factor: 0.94

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	18.29		5.56	1.14
179601-23-1	m-Xylene & p-Xylene	36.56		11.1	1.69
1330-20-7	Xylenes, Total	51.50		5.56	1.26
95-47-6	o-Xylene	14.94		5.56	1.26
100-42-5	Styrene	14.29		5.56	0.790
75-25-2	Bromoform	11.84		5.56	1.52
98-82-8	Isopropylbenzene	20.58		5.56	1.02
108-86-1	Bromobenzene	13.85		5.56	1.10
96-18-4	1,2,3-Trichloropropane	26.34		5.56	1.46
79-34-5	1,1,2,2-Tetrachloroethane	0.968	U	5.56	0.968
103-65-1	N-Propylbenzene	21.03		5.56	1.06
95-49-8	2-Chlorotoluene	14.39		5.56	0.757
106-43-4	4-Chlorotoluene	16.11		5.56	0.924
108-67-8	1,3,5-Trimethylbenzene	17.35		5.56	1.78
98-06-6	tert-Butylbenzene	20.10		5.56	1.06
99-87-6	4-Isopropyltoluene	21.82		5.56	1.14
95-63-6	1,2,4-Trimethylbenzene	15.52		5.56	1.02
135-98-8	sec-Butylbenzene	21.49		5.56	0.779
541-73-1	1,3-Dichlorobenzene	12.58		5.56	0.790
106-46-7	1,4-Dichlorobenzene	13.17		5.56	0.735
95-50-1	1,2-Dichlorobenzene	11.72		5.56	0.890
104-51-8	n-Butylbenzene	19.84		5.56	0.646
96-12-8	1,2-Dibromo-3-Chloropropane	13.21		5.56	2.72
120-82-1	1,2,4-Trichlorobenzene	11.24		5.56	2.19
87-68-3	Hexachlorobutadiene	15.38		5.56	1.26
91-20-3	Naphthalene	12.58		11.1	2.64
87-61-6	1,2,3-Trichlorobenzene	11.65		5.56	0.690
75-15-0	Carbon disulfide	28.02		11.1	0.612
67-64-1	Acetone	21.61		11.1	1.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MS MS | Lab Sample ID: 600-82738-2 MS

Matrix: Solid | Lab File ID: E32406.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.30(g) | Date Analyzed: 11/20/2013 13:40

Soil Aliquot Vol: | Dilution Factor: 0.94

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	79		50-130
1868-53-7	Dibromofluoromethane	92		68-140
460-00-4	4-Bromofluorobenzene	82		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MS MS | Lab Sample ID: 600-82738-27 MS

Matrix: Solid | Lab File ID: k32606.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.70(g) | Date Analyzed: 11/22/2013 12:56

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	22.08		5.22	1.61
74-87-3	Chloromethane	29.66		10.4	1.73
75-01-4	Vinyl chloride	28.23		10.4	0.940
74-83-9	Bromomethane	29.07		10.4	0.866
75-00-3	Chloroethane	26.96		10.4	1.46
75-69-4	Trichlorofluoromethane	27.55		10.4	0.689
75-35-4	1,1-Dichloroethene	39.31		5.22	1.27
156-60-5	trans-1,2-Dichloroethene	37.82		5.22	1.19
1634-04-4	Methyl tert-butyl ether	44.30		5.22	1.91
75-09-2	Methylene Chloride	39.60		10.4	2.29
156-59-2	cis-1,2-Dichloroethene	38.94		5.22	0.866
78-93-3	2-Butanone (MEK)	309.2		10.4	1.98
74-97-5	Bromochloromethane	42.05		5.22	1.86
56-23-5	Carbon tetrachloride	37.80		5.22	1.18
71-43-2	Benzene	39.39		5.22	0.658
107-06-2	1,2-Dichloroethane	51.14		5.22	0.940
79-01-6	Trichloroethene	38.80		5.22	1.46
71-55-6	1,1,1-Trichloroethane	38.16		5.22	0.773
75-34-3	1,1-Dichloroethane	38.81		5.22	0.908
78-87-5	1,2-Dichloropropane	39.01		5.22	0.741
594-20-7	2,2-Dichloropropane	46.49		5.22	1.90
74-95-3	Dibromomethane	51.39		5.22	0.783
67-66-3	Chloroform	39.01		5.22	0.689
75-27-4	Bromodichloromethane	49.84		5.22	0.689
110-75-8	2-Chloroethyl vinyl ether	203.3		10.4	1.02
563-58-6	1,1-Dichloropropene	42.54		5.22	0.679
10061-01-5	cis-1,3-Dichloropropene	66.15		5.22	0.564
108-88-3	Toluene	60.72		5.22	1.44
10061-02-6	trans-1,3-Dichloropropene	71.73		5.22	0.605
79-00-5	1,1,2-Trichloroethane	77.06		41.8	0.762
127-18-4	Tetrachloroethene	69.81		5.22	0.741
142-28-9	1,3-Dichloropropane	77.05		5.22	0.658
124-48-1	Chlorodibromomethane	72.29		5.22	0.981
106-93-4	1,2-Dibromoethane	84.18		5.22	1.06
108-90-7	Chlorobenzene	62.65		5.22	1.00
630-20-6	1,1,1,2-Tetrachloroethane	62.20		5.22	1.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MS MS | Lab Sample ID: 600-82738-27 MS

Matrix: Solid | Lab File ID: k32606.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.70(g) | Date Analyzed: 11/22/2013 12:56

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	62.94		5.22	1.06
179601-23-1	m-Xylene & p-Xylene	63.92		10.4	1.59
1330-20-7	Xylenes, Total	125.1		5.22	1.18
95-47-6	o-Xylene	61.18		5.22	1.18
100-42-5	Styrene	63.53		5.22	0.741
75-25-2	Bromoform	220.6		5.22	1.43
98-82-8	Isopropylbenzene	154.3		5.22	0.960
108-86-1	Bromobenzene	153.0		5.22	1.03
96-18-4	1,2,3-Trichloropropane	301.1		5.22	1.37
79-34-5	1,1,2,2-Tetrachloroethane	129.4		5.22	0.908
103-65-1	N-Propylbenzene	158.0		5.22	0.992
95-49-8	2-Chlorotoluene	153.8		5.22	0.710
106-43-4	4-Chlorotoluene	154.0		5.22	0.866
108-67-8	1,3,5-Trimethylbenzene	154.6		5.22	1.67
98-06-6	tert-Butylbenzene	153.5		5.22	0.992
99-87-6	4-Isopropyltoluene	152.7		5.22	1.06
95-63-6	1,2,4-Trimethylbenzene	153.8		5.22	0.960
135-98-8	sec-Butylbenzene	152.0		5.22	0.731
541-73-1	1,3-Dichlorobenzene	152.8		5.22	0.741
106-46-7	1,4-Dichlorobenzene	153.9		5.22	0.689
95-50-1	1,2-Dichlorobenzene	155.9		5.22	0.835
104-51-8	n-Butylbenzene	154.1		5.22	0.605
96-12-8	1,2-Dibromo-3-Chloropropane	481.9		5.22	2.55
120-82-1	1,2,4-Trichlorobenzene	164.5		5.22	2.06
87-68-3	Hexachlorobutadiene	163.0		5.22	1.18
91-20-3	Naphthalene	272.7		10.4	2.47
87-61-6	1,2,3-Trichlorobenzene	174.9		5.22	0.647
75-15-0	Carbon disulfide	38.86		10.4	0.574
67-64-1	Acetone	448.1		10.4	1.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MS MS | Lab Sample ID: 600-82738-27 MS

Matrix: Solid | Lab File ID: k32606.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.70(g) | Date Analyzed: 11/22/2013 12:56

Soil Aliquot Vol: | Dilution Factor: 0.88

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.7 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	131	* X	50-130
1868-53-7	Dibromofluoromethane	100		68-140
460-00-4	4-Bromofluorobenzene	106	*	57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MS MS Lab Sample ID: 600-82738-54 MS

Matrix: Solid Lab File ID: J33006.D

Analysis Method: 8260B Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.24(g) Date Analyzed: 11/26/2013 13:12

Soil Aliquot Vol: 100 (uL) Dilution Factor: 20

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	36640		4010	1230
74-87-3	Chloromethane	33140		8010	1330
75-01-4	Vinyl chloride	30680		8010	721
74-83-9	Bromomethane	39460		8010	665
75-00-3	Chloroethane	35440		8010	1120
75-69-4	Trichlorofluoromethane	37010		8010	529
75-35-4	1,1-Dichloroethene	41620		4010	978
156-60-5	trans-1,2-Dichloroethene	36430		4010	913
1634-04-4	Methyl tert-butyl ether	35490		4010	1470
75-09-2	Methylene Chloride	35390		8010	1750
156-59-2	cis-1,2-Dichloroethene	34610		4010	665
78-93-3	2-Butanone (MEK)	62910		8010	1520
74-97-5	Bromochloromethane	35170		4010	1430
56-23-5	Carbon tetrachloride	36890		4010	905
71-43-2	Benzene	33930		4010	505
107-06-2	1,2-Dichloroethane	36330		4010	721
79-01-6	Trichloroethene	35150		4010	1120
71-55-6	1,1,1-Trichloroethane	36080		4010	593
75-34-3	1,1-Dichloroethane	34190		4010	697
78-87-5	1,2-Dichloropropane	33470		4010	569
594-20-7	2,2-Dichloropropane	37900		4010	1460
74-95-3	Dibromomethane	37710		4010	601
67-66-3	Chloroform	35040		4010	529
75-27-4	Bromodichloromethane	35330		4010	529
110-75-8	2-Chloroethyl vinyl ether	13080		8010	785
563-58-6	1,1-Dichloropropene	35620		4010	521
10061-01-5	cis-1,3-Dichloropropene	35380		4010	433
108-88-3	Toluene	33930		4010	1110
10061-02-6	trans-1,3-Dichloropropene	36100		4010	465
79-00-5	1,1,2-Trichloroethane	34740		32100	585
127-18-4	Tetrachloroethene	33920		4010	569
142-28-9	1,3-Dichloropropane	33790		4010	505
124-48-1	Chlorodibromomethane	36610		4010	753
106-93-4	1,2-Dibromoethane	35220		4010	817
108-90-7	Chlorobenzene	34270		4010	769
630-20-6	1,1,1,2-Tetrachloroethane	35550		4010	1120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MS MS Lab Sample ID: 600-82738-54 MS

Matrix: Solid Lab File ID: J33006.D

Analysis Method: 8260B Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.24(g) Date Analyzed: 11/26/2013 13:12

Soil Aliquot Vol: 100 (uL) Dilution Factor: 20

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	55150		4010	817
179601-23-1	m-Xylene & p-Xylene	99540		8010	1220
1330-20-7	Xylenes, Total	138900		4010	905
95-47-6	o-Xylene	39400		4010	905
100-42-5	Styrene	35740		4010	569
75-25-2	Bromoform	35270		4010	1100
98-82-8	Isopropylbenzene	62660		4010	737
108-86-1	Bromobenzene	34480		4010	793
96-18-4	1,2,3-Trichloropropane	32090		4010	1050
79-34-5	1,1,2,2-Tetrachloroethane	29350		4010	697
103-65-1	N-Propylbenzene	116000		4010	761
95-49-8	2-Chlorotoluene	33190		4010	545
106-43-4	4-Chlorotoluene	34660		4010	665
108-67-8	1,3,5-Trimethylbenzene	115400		4010	1280
98-06-6	tert-Butylbenzene	32210		4010	761
99-87-6	4-Isopropyltoluene	34350		4010	817
95-63-6	1,2,4-Trimethylbenzene	322100		4010	737
135-98-8	sec-Butylbenzene	37420		4010	561
541-73-1	1,3-Dichlorobenzene	32730		4010	569
106-46-7	1,4-Dichlorobenzene	33050		4010	529
95-50-1	1,2-Dichlorobenzene	32380		4010	641
104-51-8	n-Butylbenzene	50130		4010	465
96-12-8	1,2-Dibromo-3-Chloropropane	27330		4010	1960
120-82-1	1,2,4-Trichlorobenzene	29520		4010	1580
87-68-3	Hexachlorobutadiene	35840		4010	905
91-20-3	Naphthalene	58430		8010	1900
87-61-6	1,2,3-Trichlorobenzene	24750		4010	497
67-64-1	Acetone	61840		8010	1330
75-15-0	Carbon disulfide	44070		8010	441

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MS MS Lab Sample ID: 600-82738-54 MS

Matrix: Solid Lab File ID: J33006.D

Analysis Method: 8260B Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.24(g) Date Analyzed: 11/26/2013 13:12

Soil Aliquot Vol: 100 (uL) Dilution Factor: 20

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	89		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MSD MSD | Lab Sample ID: 600-82738-2 MSD

Matrix: Solid | Lab File ID: E32407.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.88(g) | Date Analyzed: 11/20/2013 14:09

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	52.20		5.06	1.56
74-87-3	Chloromethane	20.22		10.1	1.68
75-01-4	Vinyl chloride	27.59		10.1	0.911
74-83-9	Bromomethane	17.18		10.1	0.840
75-00-3	Chloroethane	22.40		10.1	1.42
75-69-4	Trichlorofluoromethane	44.94		10.1	0.668
75-35-4	1,1-Dichloroethene	32.26		5.06	1.24
156-60-5	trans-1,2-Dichloroethene	21.59		5.06	1.15
1634-04-4	Methyl tert-butyl ether	14.72		5.06	1.85
75-09-2	Methylene Chloride	25.76		10.1	2.22
156-59-2	cis-1,2-Dichloroethene	15.70		5.06	0.840
78-93-3	2-Butanone (MEK)	37.50		10.1	1.92
74-97-5	Bromochloromethane	17.70		5.06	1.80
56-23-5	Carbon tetrachloride	32.32		5.06	1.14
71-43-2	Benzene	19.35		5.06	0.638
107-06-2	1,2-Dichloroethane	15.55		5.06	0.911
79-01-6	Trichloroethene	19.76		5.06	1.42
71-55-6	1,1,1-Trichloroethane	26.25		5.06	0.749
75-34-3	1,1-Dichloroethane	19.43		5.06	0.881
78-87-5	1,2-Dichloropropane	15.70		5.06	0.719
594-20-7	2,2-Dichloropropane	24.40		5.06	1.84
74-95-3	Dibromomethane	14.10		5.06	0.759
67-66-3	Chloroform	17.15		5.06	0.668
75-27-4	Bromodichloromethane	15.10		5.06	0.668
110-75-8	2-Chloroethyl vinyl ether	79.41		10.1	0.992
563-58-6	1,1-Dichloropropene	27.65		5.06	0.658
10061-01-5	cis-1,3-Dichloropropene	12.80		5.06	0.547
108-88-3	Toluene	18.32		5.06	1.40
10061-02-6	trans-1,3-Dichloropropene	15.27		5.06	0.587
79-00-5	1,1,2-Trichloroethane	15.36	J	40.5	0.739
127-18-4	Tetrachloroethene	24.18		5.06	0.719
142-28-9	1,3-Dichloropropane	14.58		5.06	0.638
124-48-1	Chlorodibromomethane	15.41		5.06	0.952
106-93-4	1,2-Dibromoethane	13.20		5.06	1.03
108-90-7	Chlorobenzene	15.05		5.06	0.972
630-20-6	1,1,1,2-Tetrachloroethane	12.66		5.06	1.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MSD MSD | Lab Sample ID: 600-82738-2 MSD

Matrix: Solid | Lab File ID: E32407.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.88(g) | Date Analyzed: 11/20/2013 14:09

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	17.23		5.06	1.03
179601-23-1	m-Xylene & p-Xylene	32.37		10.1	1.54
1330-20-7	Xylenes, Total	46.08		5.06	1.14
95-47-6	o-Xylene	13.71		5.06	1.14
100-42-5	Styrene	13.17		5.06	0.719
75-25-2	Bromoform	12.17		5.06	1.39
98-82-8	Isopropylbenzene	16.78		5.06	0.932
108-86-1	Bromobenzene	13.05		5.06	1.00
96-18-4	1,2,3-Trichloropropane	23.23		5.06	1.33
79-34-5	1,1,2,2-Tetrachloroethane	14.51		5.06	0.881
103-65-1	N-Propylbenzene	16.65		5.06	0.962
95-49-8	2-Chlorotoluene	12.44		5.06	0.689
106-43-4	4-Chlorotoluene	12.25		5.06	0.840
108-67-8	1,3,5-Trimethylbenzene	13.67		5.06	1.62
98-06-6	tert-Butylbenzene	15.20		5.06	0.962
99-87-6	4-Isopropyltoluene	16.23		5.06	1.03
95-63-6	1,2,4-Trimethylbenzene	12.58		5.06	0.932
135-98-8	sec-Butylbenzene	15.48		5.06	0.709
541-73-1	1,3-Dichlorobenzene	11.25		5.06	0.719
106-46-7	1,4-Dichlorobenzene	10.46		5.06	0.668
95-50-1	1,2-Dichlorobenzene	11.39		5.06	0.810
104-51-8	n-Butylbenzene	14.24		5.06	0.587
96-12-8	1,2-Dibromo-3-Chloropropane	15.56		5.06	2.47
120-82-1	1,2,4-Trichlorobenzene	7.683		5.06	1.99
87-68-3	Hexachlorobutadiene	11.24		5.06	1.14
91-20-3	Naphthalene	11.44		10.1	2.40
87-61-6	1,2,3-Trichlorobenzene	8.487		5.06	0.628
75-15-0	Carbon disulfide	24.69		10.1	0.557
67-64-1	Acetone	29.37		10.1	1.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB01-2-3-11112013MSD MSD | Lab Sample ID: 600-82738-2 MSD

Matrix: Solid | Lab File ID: E32407.D

Analysis Method: 8260B | Date Collected: 11/11/2013 12:30

Sample wt/vol: 5.88(g) | Date Analyzed: 11/20/2013 14:09

Soil Aliquot Vol: | Dilution Factor: 0.85

Soil Extract Vol.: | GC Column: DB-624_60 ID: 0.25(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 121113 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		50-130
1868-53-7	Dibromofluoromethane	89		68-140
460-00-4	4-Bromofluorobenzene	81		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MSD MSD Lab Sample ID: 600-82738-27MSD

Matrix: Solid Lab File ID: k32607.D

Analysis Method: 8260B Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.37(g) Date Analyzed: 11/22/2013 13:20

Soil Aliquot Vol: Dilution Factor: 0.93

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.9 Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.72	U	5.60	1.72
74-87-3	Chloromethane	1.86	U	11.2	1.86
75-01-4	Vinyl chloride	1.01	U	11.2	1.01
74-83-9	Bromomethane	0.929	U	11.2	0.929
75-00-3	Chloroethane	1.57	U	11.2	1.57
75-69-4	Trichlorofluoromethane	0.739	U	11.2	0.739
75-35-4	1,1-Dichloroethene	35.23		5.60	1.37
156-60-5	trans-1,2-Dichloroethene	33.64		5.60	1.28
1634-04-4	Methyl tert-butyl ether	39.60		5.60	2.05
75-09-2	Methylene Chloride	34.31		11.2	2.45
156-59-2	cis-1,2-Dichloroethene	35.31		5.60	0.929
78-93-3	2-Butanone (MEK)	291.9		11.2	2.13
74-97-5	Bromochloromethane	38.32		5.60	1.99
56-23-5	Carbon tetrachloride	35.90		5.60	1.26
71-43-2	Benzene	36.92		5.60	0.705
107-06-2	1,2-Dichloroethane	45.75		5.60	1.01
79-01-6	Trichloroethene	35.54		5.60	1.57
71-55-6	1,1,1-Trichloroethane	34.55		5.60	0.828
75-34-3	1,1-Dichloroethane	35.02		5.60	0.974
78-87-5	1,2-Dichloropropane	36.15		5.60	0.795
594-20-7	2,2-Dichloropropane	43.19		5.60	2.04
74-95-3	Dibromomethane	47.53		5.60	0.839
67-66-3	Chloroform	35.18		5.60	0.739
75-27-4	Bromodichloromethane	46.71		5.60	0.739
110-75-8	2-Chloroethyl vinyl ether	132.4		11.2	1.10
563-58-6	1,1-Dichloropropene	37.69		5.60	0.728
10061-01-5	cis-1,3-Dichloropropene	41.64		5.60	0.604
108-88-3	Toluene	38.74		5.60	1.54
10061-02-6	trans-1,3-Dichloropropene	46.18		5.60	0.649
79-00-5	1,1,2-Trichloroethane	49.90		44.8	0.817
127-18-4	Tetrachloroethene	32.45		5.60	0.795
142-28-9	1,3-Dichloropropane	48.47		5.60	0.705
124-48-1	Chlorodibromomethane	46.22		5.60	1.05
106-93-4	1,2-Dibromoethane	54.83		5.60	1.14
108-90-7	Chlorobenzene	38.89		5.60	1.07
630-20-6	1,1,1,2-Tetrachloroethane	39.81		5.60	1.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MSD MSD | Lab Sample ID: 600-82738-27MSD

Matrix: Solid | Lab File ID: k32607.D

Analysis Method: 8260B | Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.37(g) | Date Analyzed: 11/22/2013 13:20

Soil Aliquot Vol: | Dilution Factor: 0.93

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.9 | Level: (low/med) Low

Analysis Batch No.: 121251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	39.89		5.60	1.14
179601-23-1	m-Xylene & p-Xylene	40.26		11.2	1.70
1330-20-7	Xylenes, Total	79.02		5.60	1.26
95-47-6	o-Xylene	38.76		5.60	1.26
100-42-5	Styrene	39.90		5.60	0.795
75-25-2	Bromoform	92.18		5.60	1.53
98-82-8	Isopropylbenzene	62.98		5.60	1.03
108-86-1	Bromobenzene	62.64		5.60	1.11
96-18-4	1,2,3-Trichloropropane	127.6		5.60	1.47
79-34-5	1,1,2,2-Tetrachloroethane	85.72		5.60	0.974
103-65-1	N-Propylbenzene	64.62		5.60	1.06
95-49-8	2-Chlorotoluene	61.06		5.60	0.761
106-43-4	4-Chlorotoluene	62.60		5.60	0.929
108-67-8	1,3,5-Trimethylbenzene	63.31		5.60	1.79
98-06-6	tert-Butylbenzene	62.27		5.60	1.06
99-87-6	4-Isopropyltoluene	62.19		5.60	1.14
95-63-6	1,2,4-Trimethylbenzene	63.08		5.60	1.03
135-98-8	sec-Butylbenzene	62.80		5.60	0.783
541-73-1	1,3-Dichlorobenzene	62.14		5.60	0.795
106-46-7	1,4-Dichlorobenzene	62.66		5.60	0.739
95-50-1	1,2-Dichlorobenzene	63.96		5.60	0.895
104-51-8	n-Butylbenzene	62.63		5.60	0.649
96-12-8	1,2-Dibromo-3-Chloropropane	212.0		5.60	2.73
120-82-1	1,2,4-Trichlorobenzene	63.78		5.60	2.20
87-68-3	Hexachlorobutadiene	59.49		5.60	1.26
91-20-3	Naphthalene	111.5		11.2	2.65
87-61-6	1,2,3-Trichlorobenzene	68.11		5.60	0.694
75-15-0	Carbon disulfide	36.85		11.2	0.616
67-64-1	Acetone	406.2		11.2	1.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB05-5-6-11122013MSD MSD Lab Sample ID: 600-82738-27MSD

Matrix: Solid Lab File ID: k32607.D

Analysis Method: 8260B Date Collected: 11/12/2013 11:00

Sample wt/vol: 5.37(g) Date Analyzed: 11/22/2013 13:20

Soil Aliquot Vol: Dilution Factor: 0.93

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.9 Level: (low/med) Low

Analysis Batch No.: 121251 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		50-130
1868-53-7	Dibromofluoromethane	101		68-140
460-00-4	4-Bromofluorobenzene	106		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		61-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MSD Lab Sample ID: 600-82738-54 MSD

Matrix: Solid Lab File ID: J33007.D

Analysis Method: 8260B Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.51(g) Date Analyzed: 11/26/2013 13:36

Soil Aliquot Vol: 100 (uL) Dilution Factor: 20

Soil Extract Vol.: 5(mL) GC Column: DB-VRX ID: 0.25(mm)

% Moisture: Level: (low/med) Medium

Analysis Batch No.: 121549 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	35780		3840	1180
74-87-3	Chloromethane	33750		7680	1270
75-01-4	Vinyl chloride	29720		7680	691
74-83-9	Bromomethane	40550		7680	637
75-00-3	Chloroethane	34600		7680	1080
75-69-4	Trichlorofluoromethane	36250		7680	507
75-35-4	1,1-Dichloroethene	41320		3840	937
156-60-5	trans-1,2-Dichloroethene	37020		3840	876
1634-04-4	Methyl tert-butyl ether	35270		3840	1410
75-09-2	Methylene Chloride	35960		7680	1680
156-59-2	cis-1,2-Dichloroethene	35180		3840	637
78-93-3	2-Butanone (MEK)	63230		7680	1460
74-97-5	Bromochloromethane	34800		3840	1370
56-23-5	Carbon tetrachloride	36750		3840	868
71-43-2	Benzene	34500		3840	484
107-06-2	1,2-Dichloroethane	36460		3840	691
79-01-6	Trichloroethene	35530		3840	1080
71-55-6	1,1,1-Trichloroethane	36080		3840	568
75-34-3	1,1-Dichloroethane	34780		3840	668
78-87-5	1,2-Dichloropropane	33730		3840	545
594-20-7	2,2-Dichloropropane	37920		3840	1400
74-95-3	Dibromomethane	37570		3840	576
67-66-3	Chloroform	35680		3840	507
75-27-4	Bromodichloromethane	35950		3840	507
110-75-8	2-Chloroethyl vinyl ether	13070		7680	753
563-58-6	1,1-Dichloropropene	34930		3840	499
10061-01-5	cis-1,3-Dichloropropene	35270		3840	415
108-88-3	Toluene	33850		3840	1060
10061-02-6	trans-1,3-Dichloropropene	36170		3840	445
79-00-5	1,1,2-Trichloroethane	34130		30700	561
127-18-4	Tetrachloroethene	35390		3840	545
142-28-9	1,3-Dichloropropane	33570		3840	484
124-48-1	Chlorodibromomethane	36550		3840	722
106-93-4	1,2-Dibromoethane	34760		3840	783
108-90-7	Chlorobenzene	34360		3840	737
630-20-6	1,1,1,2-Tetrachloroethane	35590		3840	1080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MSD | Lab Sample ID: 600-82738-54 MSD

Matrix: Solid | Lab File ID: J33007.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.51(g) | Date Analyzed: 11/26/2013 13:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	53380		3840	783
179601-23-1	m-Xylene & p-Xylene	93470		7680	1170
1330-20-7	Xylenes, Total	132600		3840	868
95-47-6	o-Xylene	39170		3840	868
100-42-5	Styrene	35850		3840	545
75-25-2	Bromoform	35680		3840	1050
98-82-8	Isopropylbenzene	61810		3840	707
108-86-1	Bromobenzene	35070		3840	760
96-18-4	1,2,3-Trichloropropane	32240		3840	1010
79-34-5	1,1,2,2-Tetrachloroethane	30620		3840	668
103-65-1	N-Propylbenzene	112100		3840	730
95-49-8	2-Chlorotoluene	33870		3840	522
106-43-4	4-Chlorotoluene	35250		3840	637
108-67-8	1,3,5-Trimethylbenzene	111800		3840	1230
98-06-6	tert-Butylbenzene	33270		3840	730
99-87-6	4-Isopropyltoluene	35280		3840	783
95-63-6	1,2,4-Trimethylbenzene	311600		3840	707
135-98-8	sec-Butylbenzene	38500		3840	538
541-73-1	1,3-Dichlorobenzene	33740		3840	545
106-46-7	1,4-Dichlorobenzene	34040		3840	507
95-50-1	1,2-Dichlorobenzene	33380		3840	614
104-51-8	n-Butylbenzene	50570		3840	445
96-12-8	1,2-Dibromo-3-Chloropropane	30870		3840	1870
120-82-1	1,2,4-Trichlorobenzene	31350		3840	1510
87-68-3	Hexachlorobutadiene	36910		3840	868
91-20-3	Naphthalene	62090		7680	1820
87-61-6	1,2,3-Trichlorobenzene	29150		3840	476
67-64-1	Acetone	63840		7680	1270
75-15-0	Carbon disulfide	44040		7680	422

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: SB09-18-19-11132013MSD | Lab Sample ID: 600-82738-54 MSD

Matrix: Solid | Lab File ID: J33007.D

Analysis Method: 8260B | Date Collected: 11/13/2013 10:20

Sample wt/vol: 6.51(g) | Date Analyzed: 11/26/2013 13:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 5(mL) | GC Column: DB-VRX ID: 0.25(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 121549 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		50-130
1868-53-7	Dibromofluoromethane	95		68-140
460-00-4	4-Bromofluorobenzene	90		57-140
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS04 Start Date: 11/17/2013 09:50

Analysis Batch Number: 120748 End Date: 11/17/2013 21:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-120748/1		11/17/2013 09:50	1	E22100.D	DB-624_60 0.25(mm)
IC 600-120748/2		11/17/2013 10:47	1	E22102.D	DB-624_60 0.25(mm)
IC 600-120748/3		11/17/2013 11:16	1	E22103.D	DB-624_60 0.25(mm)
IC 600-120748/4		11/17/2013 11:45	1	E22104.D	DB-624_60 0.25(mm)
ICIS 600-120748/5		11/17/2013 12:14	1	E22105.D	DB-624_60 0.25(mm)
IC 600-120748/6		11/17/2013 12:40	1	E22106.D	DB-624_60 0.25(mm)
IC 600-120748/7		11/17/2013 13:07	1	E22107.D	DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 14:32	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 15:02	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 16:00	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 16:30	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 16:59	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 17:28	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 17:57	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 18:26	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 18:55	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 19:24	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 19:53	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 20:21	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 20:50	1		DB-624_60 0.25(mm)
ZZZZZ		11/17/2013 21:18	1		DB-624_60 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS04 Start Date: 11/20/2013 10:40

Analysis Batch Number: 121113 End Date: 11/20/2013 22:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121113/1		11/20/2013 10:40	1	E32400.D	DB-624_60 0.25(mm)
CCVIS 600-121113/2		11/20/2013 11:06	1	E32401.D	DB-624_60 0.25(mm)
LCS 600-121113/3		11/20/2013 11:45	1	E32402.D	DB-624_60 0.25(mm)
MB 600-121113/4		11/20/2013 12:42	1	E32404.D	DB-624_60 0.25(mm)
600-82738-2	SB01-2-3-11112013	11/20/2013 13:11	0.91	E32405.D	DB-624_60 0.25(mm)
600-82738-2 MS	SB01-2-3-11112013MS MS	11/20/2013 13:40	0.94	E32406.D	DB-624_60 0.25(mm)
600-82738-2 MSD	SB01-2-3-11112013MSD MSD	11/20/2013 14:09	0.85	E32407.D	DB-624_60 0.25(mm)
600-82738-3	SB01-5-6-11112013	11/20/2013 14:37	0.84	E32408.D	DB-624_60 0.25(mm)
600-82738-4	SB01-15-16-11112013	11/20/2013 15:06	0.75	E32409.D	DB-624_60 0.25(mm)
LCSD 600-121113/10		11/20/2013 15:35	1	E32410.D	DB-624_60 0.25(mm)
600-82738-5	SB01-20-21-11112013	11/20/2013 16:04	0.83	E32411.D	DB-624_60 0.25(mm)
600-82738-6	SB01-24-25-11112013	11/20/2013 16:33	0.7	E32412.D	DB-624_60 0.25(mm)
600-82738-7	SB02-2-3-11112013	11/20/2013 17:01	0.99	E32413.D	DB-624_60 0.25(mm)
600-82738-8	SB02-5-6-11112013	11/20/2013 17:30	1.24	E32414.D	DB-624_60 0.25(mm)
600-82738-9	SB02-12-13-11112013	11/20/2013 17:59	0.88	E32415.D	DB-624_60 0.25(mm)
600-82738-11	SB02-24-25-11112013	11/20/2013 18:28	0.74	E32416.D	DB-624_60 0.25(mm)
600-82738-12	FD02-24-25-11112013	11/20/2013 18:56	0.74	E32417.D	DB-624_60 0.25(mm)
600-82738-14	SB03-2-3-11112013	11/20/2013 19:25	0.89	E32418.D	DB-624_60 0.25(mm)
600-82738-15	SB03-5-6-11112013	11/20/2013 19:54	0.97	E32419.D	DB-624_60 0.25(mm)
600-82738-20	SB04-2-3-11122013	11/20/2013 20:23	0.84	E32420.D	DB-624_60 0.25(mm)
600-82738-18	SB03-24-25-11112013	11/20/2013 20:52	0.7	E32421.D	DB-624_60 0.25(mm)
600-82738-21	SB04-5-6-11122013	11/20/2013 21:20	0.89	E32422.D	DB-624_60 0.25(mm)
600-82738-10	SB02-18-19-11112013	11/20/2013 21:49	0.76	E32423.D	DB-624_60 0.25(mm)
600-82738-16	SB03-15-16-11112013	11/20/2013 22:18	0.83	E32424.D	DB-624_60 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS04 Start Date: 11/21/2013 13:07

Analysis Batch Number: 121230 End Date: 11/21/2013 19:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121230/1		11/21/2013 13:07	1	E32500.D	DB-624_60 0.25(mm)
CCVIS 600-121230/2		11/21/2013 13:32	1	E32501.D	DB-624_60 0.25(mm)
LCS 600-121230/3		11/21/2013 14:10	1	E32502.D	DB-624_60 0.25(mm)
LCSD 600-121230/4		11/21/2013 14:39	1	E32503.D	DB-624_60 0.25(mm)
MB 600-121230/5		11/21/2013 15:38	1	E32505.D	DB-624_60 0.25(mm)
ZZZZZ		11/21/2013 16:07	0.89		DB-624_60 0.25(mm)
ZZZZZ		11/21/2013 16:36	1.11		DB-624_60 0.25(mm)
ZZZZZ		11/21/2013 17:05	0.85		DB-624_60 0.25(mm)
600-82738-22	SB04-15-16-11122013	11/21/2013 17:34	0.79	E32509.D	DB-624_60 0.25(mm)
600-82738-23	SB04-20-21-11122013	11/21/2013 18:03	0.77	E32510.D	DB-624_60 0.25(mm)
600-82738-24	FD04-20-21-11122013	11/21/2013 18:33	0.76	E32511.D	DB-624_60 0.25(mm)
600-82738-25	SB04-29-30-11122013	11/21/2013 19:02	0.7	E32512.D	DB-624_60 0.25(mm)
600-82738-26	SB05-2-3-11122013	11/21/2013 19:31	0.88	E32513.D	DB-624_60 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS04 Start Date: 11/26/2013 12:19

Analysis Batch Number: 121704 End Date: 11/27/2013 00:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121704/1		11/26/2013 12:19	1	E33000.D	DB-624_60 0.25(mm)
CCVIS 600-121704/2		11/26/2013 14:18	1	E33001.D	DB-624_60 0.25(mm)
LCS 600-121704/3		11/26/2013 14:56	1	E33002.D	DB-624_60 0.25(mm)
MB 600-121704/4		11/26/2013 15:54	1	E33004.D	DB-624_60 0.25(mm)
LCSD 600-121704/5		11/26/2013 16:22	1	E33005.D	DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 16:51	0.81		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 17:20	0.96		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 17:48	0.88		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 18:17	0.84		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 18:46	0.9		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 19:15	1.02		DB-624_60 0.25(mm)
600-82738-57	SB10-5-6-11132013	11/26/2013 19:44	1	E33012.D	DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 20:13	1		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 20:42	1		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 21:10	1		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 21:39	1		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 22:08	10		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 22:37	1		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 23:06	5		DB-624_60 0.25(mm)
ZZZZZ		11/26/2013 23:34	5		DB-624_60 0.25(mm)
ZZZZZ		11/27/2013 00:03	5		DB-624_60 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS06 Start Date: 11/25/2013 09:40

Analysis Batch Number: 121433 End Date: 11/25/2013 20:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121433/1		11/25/2013 09:40	1	J32900.D	DB-VRX 0.25(mm)
IC 600-121433/2		11/25/2013 10:32	1	J32902.D	DB-VRX 0.25(mm)
IC 600-121433/3		11/25/2013 10:56	1	J32903.D	DB-VRX 0.25(mm)
IC 600-121433/4		11/25/2013 11:21	1	J32904.D	DB-VRX 0.25(mm)
ICIS 600-121433/5		11/25/2013 11:45	1	J32905.D	DB-VRX 0.25(mm)
IC 600-121433/6		11/25/2013 12:09	1	J32906.D	DB-VRX 0.25(mm)
IC 600-121433/7		11/25/2013 12:33	1	J32907.D	DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 15:04	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 15:28	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 16:15	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 16:38	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 17:02	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 17:26	2		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 17:50	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 18:13	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 18:37	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 19:00	2		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 19:24	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 19:47	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 20:11	1		DB-VRX 0.25(mm)
ZZZZZ		11/25/2013 20:34	1		DB-VRX 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS06 Start Date: 11/26/2013 10:24

Analysis Batch Number: 121549 End Date: 11/26/2013 20:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121549/1		11/26/2013 10:24	1	J33000.D	DB-VRX 0.25(mm)
CCVIS 600-121549/2		11/26/2013 11:14	1	J33001.D	DB-VRX 0.25(mm)
LCS 600-121548/1-A		11/26/2013 11:38	1	J33002.D	DB-VRX 0.25(mm)
MB 600-121548/2-A		11/26/2013 12:25	1	J33004.D	DB-VRX 0.25(mm)
600-82738-54	SB09-18-19-11132013	11/26/2013 12:49	20	J33005.D	DB-VRX 0.25(mm)
600-82738-54 MS	SB09-18-19-11132013MS MS	11/26/2013 13:12	20	J33006.D	DB-VRX 0.25(mm)
600-82738-54 MSD	SB09-18-19-11132013MS D MSD	11/26/2013 13:36	20	J33007.D	DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 14:00	5		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 14:23	10		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 15:11	400		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 15:35	400		DB-VRX 0.25(mm)
600-82738-49	SB08-19-20-11132013	11/26/2013 17:15	20	J33016.D	DB-VRX 0.25(mm)
600-82738-53	SB09-16-17-11132013	11/26/2013 17:39	20	J33017.D	DB-VRX 0.25(mm)
600-82738-48	SB08-16-17-11132013	11/26/2013 18:03	10	J33018.D	DB-VRX 0.25(mm)
600-82738-55	SB09-20-21-11132013	11/26/2013 18:26	10	J33019.D	DB-VRX 0.25(mm)
600-82738-17	SB03-18-19-11112013	11/26/2013 18:50	1	J33020.D	DB-VRX 0.25(mm)
600-82738-42	SB07-20-21-11122013	11/26/2013 19:14	1	J33021.D	DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 19:37	1		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 20:01	1		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 20:25	1		DB-VRX 0.25(mm)
ZZZZZ		11/26/2013 20:49	1		DB-VRX 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS06 Start Date: 11/28/2013 11:31

Analysis Batch Number: 121793 End Date: 11/28/2013 22:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121793/1		11/28/2013 11:31	1	T33200.D	DB-VRX 0.25(mm)
CCVIS 600-121793/2		11/28/2013 11:57	1	T33201.D	DB-VRX 0.25(mm)
600-82738-48	SB08-16-17-11132013	11/28/2013 17:37	40	T33214.D	DB-VRX 0.25(mm)
600-82738-53	SB09-16-17-11132013	11/28/2013 18:01	40	T33215.D	DB-VRX 0.25(mm)
600-82738-42	SB07-20-21-11122013	11/28/2013 18:25	20	T33216.D	DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 18:49	10		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 19:13	10		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 19:36	40		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 20:01	40		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 20:24	1		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 20:48	1		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 21:11	200		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 21:35	100		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 22:21	100		DB-VRX 0.25(mm)
ZZZZZ		11/28/2013 22:45	100		DB-VRX 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS09 Start Date: 11/18/2013 14:26

Analysis Batch Number: 120849 End Date: 11/18/2013 17:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-120849/1		11/18/2013 14:26	1	L32200.D	DB-624 0.18(mm)
IC 600-120849/2		11/18/2013 15:40	1	L32202.D	DB-624 0.18(mm)
IC 600-120849/3		11/18/2013 16:04	1	L32203.D	DB-624 0.18(mm)
IC 600-120849/4		11/18/2013 16:28	1	L32204.D	DB-624 0.18(mm)
ICIS 600-120849/5		11/18/2013 16:53	1	L32205.D	DB-624 0.18(mm)
IC 600-120849/6		11/18/2013 17:17	1	L32206.D	DB-624 0.18(mm)
IC 600-120849/7		11/18/2013 17:40	1	L32207.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS09 Start Date: 11/21/2013 08:22

Analysis Batch Number: 121151 End Date: 11/21/2013 20:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121151/1		11/21/2013 08:22	1	k32500.D	DB-624 0.18(mm)
CCVIS 600-121151/2		11/21/2013 09:50	1	k32501.D	DB-624 0.18(mm)
LCS 600-121151/3		11/21/2013 10:39	1	k32502.D	DB-624 0.18(mm)
MB 600-121151/4		11/21/2013 11:28	1	k32504.D	DB-624 0.18(mm)
600-82738-61	FD10-29-30-11132013	11/21/2013 12:04	0.77	k32505.D	DB-624 0.18(mm)
600-82738-60	SB10-29-30-11132013	11/21/2013 12:29	0.74	k32506.D	DB-624 0.18(mm)
ZZZZZ		11/21/2013 12:52	1		DB-624 0.18(mm)
ZZZZZ		11/21/2013 13:16	1		DB-624 0.18(mm)
ZZZZZ		11/21/2013 13:40	1		DB-624 0.18(mm)
600-82738-59	SB10-20-21-11132013	11/21/2013 14:03	0.83	k32510.D	DB-624 0.18(mm)
600-82738-58	SB10-15-16-11132013	11/21/2013 14:28	1.18	k32511.D	DB-624 0.18(mm)
600-82738-47	FD08-5-6-11132013	11/21/2013 14:52	0.94	k32512.D	DB-624 0.18(mm)
600-82738-50	SB08-24-25-11132013	11/21/2013 15:16	0.73	k32513.D	DB-624 0.18(mm)
600-82738-56	SB10-2-3-11132013	11/21/2013 15:39	1.02	k32514.D	DB-624 0.18(mm)
600-82738-51	SB09-2-3-11132013	11/21/2013 16:03	0.82	k32515.D	DB-624 0.18(mm)
600-82738-52	SB09-5-6-11132013	11/21/2013 16:27	0.85	k32516.D	DB-624 0.18(mm)
600-82738-36	SB06-21-22-11122013	11/21/2013 16:51	0.71	k32517.D	DB-624 0.18(mm)
600-82738-37	FD06-21-22-11122013	11/21/2013 17:15	0.75	k32518.D	DB-624 0.18(mm)
600-82738-39	SB07-2-3-11122013	11/21/2013 17:38	0.82	k32519.D	DB-624 0.18(mm)
600-82738-40	SB07-5-6-11122013	11/21/2013 18:02	0.71	k32520.D	DB-624 0.18(mm)
600-82738-41	SB07-14-15-11122013	11/21/2013 18:26	0.71	k32521.D	DB-624 0.18(mm)
600-82738-42	SB07-20-21-11122013	11/21/2013 18:49	0.83	k32522.D	DB-624 0.18(mm)
600-82738-43	SB07-29-30-11122013	11/21/2013 19:14	0.81	k32523.D	DB-624 0.18(mm)
ZZZZZ		11/21/2013 19:37	0.84		DB-624 0.18(mm)
ZZZZZ		11/21/2013 20:02	1.07		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS09 Start Date: 11/22/2013 08:09

Analysis Batch Number: 121251 End Date: 11/22/2013 20:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121251/1		11/22/2013 08:09	1	k32600.D	DB-624 0.18(mm)
CCVIS 600-121251/2		11/22/2013 09:43	1	k32601.D	DB-624 0.18(mm)
LCS 600-121251/3		11/22/2013 10:51	1	k32602.D	DB-624 0.18(mm)
MB 600-121251/4		11/22/2013 12:08	1	k32604.D	DB-624 0.18(mm)
ZZZZZ		11/22/2013 12:32	1		DB-624 0.18(mm)
600-82738-27 MS	SB05-5-6-11122013MS MS	11/22/2013 12:56	0.88	k32606.D	DB-624 0.18(mm)
600-82738-27MSD	SB05-5-6-11122013MSD MSD	11/22/2013 13:20	0.93	k32607.D	DB-624 0.18(mm)
ZZZZZ		11/22/2013 13:44	0.79		DB-624 0.18(mm)
600-82738-29	SB05-18-19-11122013	11/22/2013 14:08	0.8	k32609.D	DB-624 0.18(mm)
LCSD 600-121251/6		11/22/2013 14:32	1	k32610.D	DB-624 0.18(mm)
600-82738-30	SB05-25-26-11122013	11/22/2013 16:36	0.8	k32613.D	DB-624 0.18(mm)
ZZZZZ		11/22/2013 17:01	0.87		DB-624 0.18(mm)
600-82738-27	SB05-5-6-11122013	11/22/2013 17:25	0.88	k32615.D	DB-624 0.18(mm)
ZZZZZ		11/22/2013 17:49	0.88		DB-624 0.18(mm)
ZZZZZ		11/22/2013 18:14	0.85		DB-624 0.18(mm)
ZZZZZ		11/22/2013 18:39	0.84		DB-624 0.18(mm)
600-82738-34	SB06-11-12-11122013	11/22/2013 19:04	0.84	k32619.D	DB-624 0.18(mm)
600-82738-35	SB06-16-17-11122013	11/22/2013 19:28	0.78	k32620.D	DB-624 0.18(mm)
600-82738-45	SB08-2-3-11132013	11/22/2013 19:53	1.05	k32621.D	DB-624 0.18(mm)
ZZZZZ		11/22/2013 20:18	0.95		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS09 Start Date: 11/24/2013 10:08

Analysis Batch Number: 121357 End Date: 11/24/2013 21:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-121357/1		11/24/2013 10:08	1	k32800.D	DB-624 0.18(mm)
IC 600-121357/2		11/24/2013 11:39	1	k32802.D	DB-624 0.18(mm)
IC 600-121357/3		11/24/2013 12:04	1	k32803.D	DB-624 0.18(mm)
IC 600-121357/4		11/24/2013 12:28	1	k32804.D	DB-624 0.18(mm)
ICIS 600-121357/5		11/24/2013 12:53	1	k32805.D	DB-624 0.18(mm)
IC 600-121357/6		11/24/2013 13:23	1	k32806.D	DB-624 0.18(mm)
IC 600-121357/7		11/24/2013 13:47	1	k32807.D	DB-624 0.18(mm)
MB 600-121357/8		11/24/2013 15:59	1	k32810.D	DB-624 0.18(mm)
LCS 600-121357/9		11/24/2013 16:38	1	k32811.D	DB-624 0.18(mm)
ZZZZZ		11/24/2013 17:44	0.85		DB-624 0.18(mm)
LCSD 600-121357/11		11/24/2013 18:15	1	k32814.D	DB-624 0.18(mm)
ZZZZZ		11/24/2013 18:39	0.84		DB-624 0.18(mm)
600-82738-28	SB05-11-12-11122013	11/24/2013 19:03	0.79	k32816.D	DB-624 0.18(mm)
600-82738-32	SB06-2-3-11122013	11/24/2013 19:27	0.9	k32817.D	DB-624 0.18(mm)
600-82738-33	SB06-5-6-11122013	11/24/2013 19:51	0.81	k32818.D	DB-624 0.18(mm)
600-82738-46	SB08-5-6-11132013	11/24/2013 20:16	0.98	k32819.D	DB-624 0.18(mm)
ZZZZZ		11/24/2013 20:41	1.04		DB-624 0.18(mm)
ZZZZZ		11/24/2013 21:05	1.2		DB-624 0.18(mm)
ZZZZZ		11/24/2013 21:30	1.61		DB-624 0.18(mm)
ZZZZZ		11/24/2013 21:54	1.43		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120942 Batch Start Date: 11/19/13 16:00 Batch Analyst: Vela, Kenneth L

Batch Method: 5035 Batch End Date: 11/22/13 12:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment
600-82738-C-2	SB01-2-3-1111201 3	5035, 8260B	T	5.49 g	5.49 g	.91
600-82738-C-2 MS	SB01-2-3-1111201 3MS	5035, 8260B	T	5.30 g	5.30 g	.94
600-82738-C-2 MSD	SB01-2-3-1111201 3MSD	5035, 8260B	T	5.88 g	5.88 g	.85
600-82738-C-3	SB01-5-6-1111201 3	5035, 8260B	T	5.95 g	5.95 g	.84
600-82738-C-4	SB01-15-16-11112 013	5035, 8260B	T	6.69 g	6.69 g	.75
600-82738-C-5	SB01-20-21-11112 013	5035, 8260B	T	6.00 g	6.00 g	.83
600-82738-C-6	SB01-24-25-11112 013	5035, 8260B	T	7.14 g	7.14 g	.70
600-82738-C-7	SB02-2-3-1111201 3	5035, 8260B	T	5.07 g	5.07 g	.99
600-82738-C-8	SB02-5-6-1111201 3	5035, 8260B	T	4.03 g	4.03 g	1.24
600-82738-C-9	SB02-12-13-11112 013	5035, 8260B	T	5.71 g	5.71 g	.88
600-82738-C-10	SB02-18-19-11112 013	5035, 8260B	T	6.57 g	6.57 g	.76
600-82738-C-11	SB02-24-25-11112 013	5035, 8260B	T	6.73 g	6.73 g	.74
600-82738-C-12	FD02-24-25-11112 013	5035, 8260B	T	6.78 g	6.78 g	.74
600-82738-C-14	SB03-2-3-1111201 3	5035, 8260B	T	5.63 g	5.63 g	.89
600-82738-C-15	SB03-5-6-1111201 3	5035, 8260B	T	5.14 g	5.14 g	.97
600-82738-C-16	SB03-15-16-11112 013	5035, 8260B	T	6.01 g	6.01 g	.83
600-82738-C-18	SB03-24-25-11112 013	5035, 8260B	T	7.19 g	7.19 g	.70
600-82738-C-20	SB04-2-3-1112201 3	5035, 8260B	T	5.32 g	5.32 g	.84
600-82738-C-21	SB04-5-6-1112201 3	5035, 8260B	T	5.60 g	5.60 g	.89
600-82738-C-22	SB04-15-16-11122 013	5035, 8260B	T	6.35 g	6.35 g	.79
600-82738-C-23	SB04-20-21-11122 013	5035, 8260B	T	6.47 g	6.47 g	.77

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120942 Batch Start Date: 11/19/13 16:00 Batch Analyst: Vela, Kenneth L

Batch Method: 5035 Batch End Date: 11/22/13 12:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment
600-82738-C-24	FD04-20-21-11122013	5035, 8260B	T	6.58 g	6.58 g	.76
600-82738-C-25	SB04-29-30-11122013	5035, 8260B	T	7.16 g	7.16 g	.70
600-82738-C-26	SB05-2-3-11122013	5035, 8260B	T	5.65 g	5.65 g	.88
600-82738-C-29	SB05-18-19-11122013	5035, 8260B	T	6.24 g	6.24 g	.80
600-82738-C-30	SB05-25-26-11122013	5035, 8260B	T	6.25 g	6.25 g	.80
600-82738-C-34	SB06-11-12-11122013	5035, 8260B	T	5.97 g	5.97 g	.84
600-82738-C-35	SB06-16-17-11122013	5035, 8260B	T	6.38 g	6.38 g	.78
600-82738-C-36	SB06-21-22-11122013	5035, 8260B	T	7.00 g	7.00 g	.71
600-82738-C-37	FD06-21-22-11122013	5035, 8260B	T	6.71 g	6.71 g	.75
600-82738-C-39	SB07-2-3-11122013	5035, 8260B	T	6.10 g	6.10 g	.82
600-82738-C-40	SB07-5-6-11122013	5035, 8260B	T	7.03 g	7.03 g	.71
600-82738-C-41	SB07-14-15-11122013	5035, 8260B	T	7.00 g	7.00 g	.71
600-82738-C-42	SB07-20-21-11122013	5035, 8260B	T	6.02 g	6.02 g	.83
600-82738-C-43	SB07-29-30-11122013	5035, 8260B	T	6.17 g	6.17 g	.81
600-82738-C-45	SB08-2-3-11132013	5035, 8260B	T	4.77 g	4.77 g	1.05
600-82738-C-47	FD08-5-6-11132013	5035, 8260B	T	5.34 g	5.34 g	.94
600-82738-C-50	SB08-24-25-11132013	5035, 8260B	T	6.88 g	6.88 g	.73
600-82738-C-51	SB09-2-3-11132013	5035, 8260B	T	6.08 g	6.08 g	.82
600-82738-C-52	SB09-5-6-11132013	5035, 8260B	T	5.88 g	5.88 g	.85
600-82738-C-56	SB10-2-3-11132013	5035, 8260B	T	4.89 g	4.89 g	1.02
600-82738-C-58	SB10-15-16-11132013	5035, 8260B	T	4.25 g	4.25 g	1.18

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120942 Batch Start Date: 11/19/13 16:00 Batch Analyst: Vela, Kenneth L

Batch Method: 5035 Batch End Date: 11/22/13 12:16

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment
600-82738-C-59	SB10-20-21-11132013	5035, 8260B	T	6.06 g	6.06 g	.83
600-82738-C-60	SB10-29-30-11132013	5035, 8260B	T	6.78 g	6.78 g	.74
600-82738-C-61	FD10-29-30-11132013	5035, 8260B	T	6.52 g	6.52 g	.77
600-82738-D-27 MS	SB05-5-6-1112201 3MS	5035, 8260B	T	5.70 g	5.70 g	0.88
600-82738-D-27 MSD	SB05-5-6-1112201 3MSD	5035, 8260B	T	5.37 g	5.37 g	0.93
600-82738-D-27	SB05-5-6-1112201 3	5035, 8260B	T	5.71 g	5.71 g	0.88
600-82738-D-28	SB05-11-12-11122013	5035, 8260B	T	6.36 g	6.36 g	0.79
600-82738-D-32	SB06-2-3-1112201 3	5035, 8260B	T	5.55 g	5.55 g	0.90
600-82738-D-33	SB06-5-6-1112201 3	5035, 8260B	T	6.21 g	6.21 g	0.81
600-82738-D-46	SB08-5-6-1113201 3	5035, 8260B	T	5.17 g	5.17 g	0.98

Batch Notes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 121349 Batch Start Date: 11/19/13 16:00 Batch Analyst: Vela, Kenneth L

Batch Method: 5035 Batch End Date: 11/19/13 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount
600-82738-B-48	SB08-16-17-11132013	5035, 8260B	T	6.70 g	5 mL
600-82738-B-49	SB08-19-20-11132013	5035, 8260B	T	5.73 g	5 mL
600-82738-B-53	SB09-16-17-11132013	5035, 8260B	T	6.57 g	5 mL
600-82738-B-54	SB09-18-19-11132013	5035, 8260B	T	5.92 g	5 mL
600-82738-B-54 MS	SB09-18-19-11132013MS	5035, 8260B	T	6.24 g	5 mL
600-82738-B-54 MSD	SB09-18-19-11132013MSD	5035, 8260B	T	6.51 g	5 mL
600-82738-B-55	SB09-20-21-11132013	5035, 8260B	T	7.10 g	5 mL
600-82738-B-17	SB03-18-19-11112013	5035, 8260B	T	5.36 g	5 mL
600-82738-B-42	SB07-20-21-11122013	5035, 8260B	T	5.31 g	5 mL

Batch Notes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 121548 Batch Start Date: 11/26/13 10:49 Batch Analyst: Teng, Danica

Batch Method: 5030B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LCS 600-121548/1		5030B, 8260B		4 g	10 mL				
MB 600-121548/2		5030B, 8260B		4 g	10 mL				

Batch Notes

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260B_LL

Volatile Organic Compounds (GC/MS) by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB01-11112013	600-82738-13	93	98	97	102
TB02-11112013	600-82738-19	97	101	97	106
TB03-11122013	600-82738-38	99	102	101	108
TB04-11122013	600-82738-44	93	96	98	103
TB05-11132013	600-82738-63	93	94	95	102
TB06-11132013	600-82738-64	97	101	100	105
	MB 600-120809/4	90	94	94	99
	LCS 600-120809/3	103	106	101	104
	600-82739-E-1 MS	104	114	97	106
	600-82739-E-1 MSD	105	116	100	107

	QC LIMITS
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32202.D

Lab ID: LCS 600-120809/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	9.394	94	57-136	
1,1,1-Trichloroethane	10.0	9.479	95	65-142	
1,1,2,2-Tetrachloroethane	10.0	9.749	97	68-134	
1,1,2-Trichloroethane	10.0	8.893	89	68-130	
1,1-Dichloroethane	10.0	9.004	90	66-126	
1,1-Dichloroethene	10.0	8.556	86	59-145	
1,1-Dichloropropene	10.0	9.466	95	59-134	
1,2,3-Trichlorobenzene	10.0	9.825	98	38-152	
1,2,3-Trichloropropane	10.0	8.957	90	52-157	
1,2,4-Trichlorobenzene	10.0	9.620	96	55-151	
1,2,4-Trimethylbenzene	10.0	9.209	92	63-131	
1,2-Dibromo-3-Chloropropane	10.0	8.087	81	43-141	
1,2-Dibromoethane	10.0	9.097	91	68-128	
1,2-Dichlorobenzene	10.0	9.104	91	71-133	
1,2-Dichloroethane	10.0	9.114	91	66-140	
1,2-Dichloropropane	10.0	8.901	89	72-125	
1,3,5-Trimethylbenzene	10.0	9.307	93	63-132	
1,3-Dichlorobenzene	10.0	9.077	91	71-132	
1,3-Dichloropropane	10.0	9.064	91	62-132	
1,4-Dichlorobenzene	10.0	8.958	90	72-131	
2,2-Dichloropropane	10.0	9.798	98	43-169	
2-Butanone (MEK)	20.0	17.20	86	59-133	
2-Chloroethyl vinyl ether	20.0	9.934	50	10-209	
2-Chlorotoluene	10.0	8.888	89	58-135	
4-Chlorotoluene	10.0	9.038	90	64-134	
Benzene	10.0	8.868	89	69-131	
Bromobenzene	10.0	9.123	91	61-134	
Bromochloromethane	10.0	8.907	89	60-141	
Bromodichloromethane	10.0	9.092	91	73-130	
Bromoform	10.0	7.957	80	39-149	
Bromomethane	10.0	11.19	112	52-146	
Carbon tetrachloride	10.0	9.713	97	59-147	
Chlorobenzene	10.0	9.101	91	60-136	
Chlorodibromomethane	10.0	9.119	91	58-132	
Chloroethane	10.0	10.37	104	56-144	
Chloroform	10.0	8.960	90	69-128	
Chloromethane	10.0	10.16	102	32-151	
cis-1,2-Dichloroethene	10.0	9.239	92	69-129	
cis-1,3-Dichloropropene	10.0	9.531	95	60-135	
Dibromomethane	10.0	9.126	91	68-134	
Dichlorodifluoromethane	10.0	12.98	130	12-136	
Ethylbenzene	10.0	9.156	92	68-128	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32202.D

Lab ID: LCS 600-120809/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	10.0	8.973	90	53-140	
Isopropylbenzene	10.0	9.207	92	79-146	
Methyl tert-butyl ether	10.0	8.954	90	63-142	
Methylene Chloride	10.0	9.204	92	62-134	
m-Xylene & p-Xylene	10.0	9.296	93	67-132	
Naphthalene	10.0	9.464	95	19-195	
n-Butylbenzene	10.0	9.789	98	62-132	
N-Propylbenzene	10.0	9.209	92	61-137	
o-Xylene	10.0	9.287	93	68-134	
p-Isopropyltoluene	10.0	9.374	94	63-138	
sec-Butylbenzene	10.0	9.408	94	61-134	
Styrene	10.0	9.577	96	68-133	
tert-Butylbenzene	10.0	9.326	93	67-148	
Tetrachloroethene	10.0	9.128	91	61-142	
Toluene	10.0	9.085	91	67-130	
trans-1,2-Dichloroethene	10.0	9.077	91	70-132	
trans-1,3-Dichloropropene	10.0	8.352	84	63-133	
Trichloroethene	10.0	8.955	90	68-130	
Trichlorofluoromethane	10.0	11.05	110	55-142	
Vinyl chloride	10.0	10.55	106	47-146	
Xylenes, Total	20.0	18.58	93	68-132	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32209.D

Lab ID: 600-82739-E-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	500	9.00 U	471.0	94	60-140	
1,1,1-Trichloroethane	500	7.50 U	543.9	109	60-140	
1,1,2,2-Tetrachloroethane	500	11.0 U	466.9	93	60-140	
1,1,2-Trichloroethane	500	14.0 U	470.0	94	60-140	
1,1-Dichloroethane	500	5.50 U	500.6	100	60-140	
1,1-Dichloroethene	500	9.50 U	421.1	84	22-143	
1,1-Dichloropropene	500	10.5 U	515.7	103	60-140	
1,2,3-Trichlorobenzene	500	114	440.7	65	60-140	
1,2,3-Trichloropropane	500	14.5 U	477.0	95	60-140	
1,2,4-Trichlorobenzene	500	76.9	463.4	77	60-140	
1,2,4-Trimethylbenzene	500	37.0 J	547.0	102	60-140	
1,2-Dibromo-3-Chloropropane	500	40.5 U	382.6	77	60-140	
1,2-Dibromoethane	500	9.23 J	478.8	94	60-140	
1,2-Dichlorobenzene	500	28.0 J	470.5	89	60-140	
1,2-Dichloroethane	500	10.9 J	510.7	100	60-140	
1,2-Dichloropropane	500	8.00 U	489.6	98	60-140	
1,3,5-Trimethylbenzene	500	22.8 J	541.3	104	60-140	
1,3-Dichlorobenzene	500	18.2 J	484.0	93	60-140	
1,3-Dichloropropane	500	11.0 U	464.4	93	60-140	
1,4-Dichlorobenzene	500	20.8 J	475.1	91	60-140	
2,2-Dichloropropane	500	6.50 U	552.5	110	60-140	
2-Butanone (MEK)	1000	38.0 U	911.2	91	60-140	
2-Chloroethyl vinyl ether	1000	25.0 U	399.1	40	60-140	F
2-Chlorotoluene	500	6.88 J	494.5	98	60-140	
4-Chlorotoluene	500	10.6 J	502.9	98	60-140	
Benzene	500	3810	4623	162	65-125	E 4
Bromobenzene	500	13.5 J	485.2	94	60-140	
Bromochloromethane	500	9.00 U	498.4	100	60-140	
Bromodichloromethane	500	8.00 U	469.7	94	60-140	
Bromoform	500	9.50 U	364.5	73	60-140	
Bromomethane	500	12.5 U	402.7	81	60-140	
Carbon tetrachloride	500	7.50 U	537.0	107	60-140	
Chlorobenzene	500	6.00 U	469.2	94	72-122	
Chlorodibromomethane	500	7.50 U	446.2	89	60-140	
Chloroethane	500	4.00 U	498.5	100	60-140	
Chloroform	500	6.50 U	505.4	101	60-140	
Chloromethane	500	9.00 U	437.5	87	60-140	
cis-1,2-Dichloroethene	500	3.81 J	520.1	103	60-140	
cis-1,3-Dichloropropene	500	9.00 U	489.8	98	60-140	
Dibromomethane	500	26.0 U	489.6	98	60-140	
Dichlorodifluoromethane	500	6.00 U	506.8	101	60-140	
Ethylbenzene	500	170	689.9	104	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32209.D

Lab ID: 600-82739-E-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	500	36.5 J	473.9	87	60-140	
Isopropylbenzene	500	25.4 J	545.9	104	60-140	
Methyl tert-butyl ether	500	6.00 U	504.9	101	60-140	
Methylene Chloride	500	7.50 U	544.1	109	60-140	
m-Xylene & p-Xylene	500	386	932.3	109	60-140	
Naphthalene	500	128	437.2	62	60-140	
n-Butylbenzene	500	17.1 J	535.5	104	60-140	
N-Propylbenzene	500	20.9 J	544.1	105	60-140	
o-Xylene	500	152	675.9	105	60-140	
p-Isopropyltoluene	500	10.6 J	518.8	102	60-140	
sec-Butylbenzene	500	12.5 J	523.8	102	60-140	
Styrene	500	3.50 U	500.5	100	60-140	
tert-Butylbenzene	500	11.2 J	529.0	104	60-140	
Tetrachloroethene	500	6.50 U	496.3	99	60-140	
Toluene	500	269	776.6	102	76-125	
trans-1,2-Dichloroethene	500	4.50 U	510.0	102	60-140	
trans-1,3-Dichloropropene	500	10.5 U	436.2	87	60-140	
Trichloroethene	500	9.00 U	512.4	102	56-118	
Trichlorofluoromethane	500	4.00 U	515.3	103	60-140	
Vinyl chloride	500	5.50 U	498.6	100	60-140	
Xylenes, Total	1000	538	1608	107	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32210.D

Lab ID: 600-82739-E-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	500	460.2	92	2	30	60-140	
1,1,1-Trichloroethane	500	520.3	104	4	30	60-140	
1,1,2,2-Tetrachloroethane	500	476.1	95	2	30	60-140	
1,1,2-Trichloroethane	500	456.8	91	3	30	60-140	
1,1-Dichloroethane	500	476.7	95	5	30	60-140	
1,1-Dichloroethene	500	401.3	80	5	30	22-143	
1,1-Dichloropropene	500	493.9	99	4	30	60-140	
1,2,3-Trichlorobenzene	500	523.3	82	17	30	60-140	
1,2,3-Trichloropropane	500	464.4	93	3	30	60-140	
1,2,4-Trichlorobenzene	500	507.6	86	9	30	60-140	
1,2,4-Trimethylbenzene	500	525.6	98	4	30	60-140	
1,2-Dibromo-3-Chloropropane	500	409.6	82	7	30	60-140	
1,2-Dibromoethane	500	456.8	90	5	30	60-140	
1,2-Dichlorobenzene	500	474.2	89	1	30	60-140	
1,2-Dichloroethane	500	497.5	97	3	30	60-140	
1,2-Dichloropropane	500	474.7	95	3	30	60-140	
1,3,5-Trimethylbenzene	500	514.7	98	5	30	60-140	
1,3-Dichlorobenzene	500	470.5	90	3	30	60-140	
1,3-Dichloropropane	500	457.7	92	1	30	60-140	
1,4-Dichlorobenzene	500	462.1	88	3	30	60-140	
2,2-Dichloropropane	500	522.7	105	6	30	60-140	
2-Butanone (MEK)	1000	980.2	98	7	30	60-140	
2-Chloroethyl vinyl ether	1000	297.9	30	29	30	60-140	F
2-Chlorotoluene	500	469.9	93	5	30	60-140	
4-Chlorotoluene	500	480.4	94	5	30	60-140	
Benzene	500	4403	118	5	30	65-125	E 4
Bromobenzene	500	466.7	91	4	30	60-140	
Bromochloromethane	500	471.5	94	6	30	60-140	
Bromodichloromethane	500	460.4	92	2	30	60-140	
Bromoform	500	370.4	74	2	30	60-140	
Bromomethane	500	486.3	97	19	30	60-140	
Carbon tetrachloride	500	514.4	103	4	30	60-140	
Chlorobenzene	500	456.5	91	3	30	72-122	
Chlorodibromomethane	500	450.6	90	1	30	60-140	
Chloroethane	500	520.7	104	4	30	60-140	
Chloroform	500	481.9	96	5	30	60-140	
Chloromethane	500	444.6	89	2	30	60-140	
cis-1,2-Dichloroethene	500	496.1	98	5	30	60-140	
cis-1,3-Dichloropropene	500	473.8	95	3	30	60-140	
Dibromomethane	500	478.1	96	2	30	60-140	
Dichlorodifluoromethane	500	509.9	102	1	30	60-140	
Ethylbenzene	500	664.9	99	4	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C32210.D

Lab ID: 600-82739-E-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	500	495.4	92	4	30	60-140	
Isopropylbenzene	500	516.7	98	6	30	60-140	
Methyl tert-butyl ether	500	485.8	97	4	30	60-140	
Methylene Chloride	500	519.5	104	5	30	60-140	
m-Xylene & p-Xylene	500	897.5	102	4	30	60-140	
Naphthalene	500	520.6	79	17	30	60-140	
n-Butylbenzene	500	523.3	101	2	30	60-140	
N-Propylbenzene	500	510.3	98	6	30	60-140	
o-Xylene	500	654.8	101	3	30	60-140	
p-Isopropyltoluene	500	503.6	99	3	30	60-140	
sec-Butylbenzene	500	502.4	98	4	30	60-140	
Styrene	500	494.8	99	1	30	60-140	
tert-Butylbenzene	500	502.0	98	5	30	60-140	
Tetrachloroethene	500	468.8	94	6	30	60-140	
Toluene	500	737.8	94	5	30	76-125	
trans-1,2-Dichloroethene	500	482.9	97	5	30	60-140	
trans-1,3-Dichloropropene	500	427.6	86	2	30	60-140	
Trichloroethene	500	478.7	96	7	30	56-118	
Trichlorofluoromethane	500	582.6	117	12	30	60-140	
Vinyl chloride	500	526.6	105	5	30	60-140	
Xylenes, Total	1000	1552	101	4	30	60-140	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: C32204.D Lab Sample ID: MB 600-120809/4

Matrix: Water Heated Purge: (Y/N) N

Instrument ID: VOAMS01 Date Analyzed: 11/18/2013 10:09

GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-120809/3	C32202.D	11/18/2013 09:17
	600-82739-E-1 MS	C32209.D	11/18/2013 12:29
	600-82739-E-1 MSD	C32210.D	11/18/2013 12:54
TB02-11112013	600-82738-19	C32213.D	11/18/2013 14:11
TB03-11122013	600-82738-38	C32214.D	11/18/2013 14:37
TB05-11132013	600-82738-63	C32215.D	11/18/2013 15:03
TB06-11132013	600-82738-64	C32216.D	11/18/2013 15:29
TB04-11122013	600-82738-44	C32217.D	11/18/2013 15:54
TB01-11112013	600-82738-13	C32218.D	11/18/2013 16:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: C31900.D BFB Injection Date: 11/15/2013

Instrument ID: VOAMS01 BFB Injection Time: 08:03

Analysis Batch No.: 120687

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.3	
75	30.0 - 60.0 % of mass 95	54.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	75.1	
175	5.0 - 9.0 % of mass 174	5.7	(7.5)1
176	95.0 - 101.0 % of mass 174	71.7	(95.4)1
177	5.0 - 9.0 % of mass 176	4.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-120687/15	C31902.D	11/15/2013	09:33
	IC 600-120687/2	C31903.D	11/15/2013	09:58
	IC 600-120687/3	C31904.D	11/15/2013	10:24
	ICIS 600-120687/4	C31905.D	11/15/2013	10:50
	IC 600-120687/5	C31906.D	11/15/2013	11:15
	IC 600-120687/6	C31907.D	11/15/2013	11:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab File ID: C32200.D BFB Injection Date: 11/18/2013

Instrument ID: VOAMS01 BFB Injection Time: 08:10

Analysis Batch No.: 120809

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	54.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	80.3	
175	5.0 - 9.0 % of mass 174	6.0	(7.5)1
176	95.0 - 101.0 % of mass 174	78.1	(97.3)1
177	5.0 - 9.0 % of mass 176	5.3	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-120809/2	C32201.D	11/18/2013	08:44
	LCS 600-120809/3	C32202.D	11/18/2013	09:17
	MB 600-120809/4	C32204.D	11/18/2013	10:09
	600-82739-E-1 MS	C32209.D	11/18/2013	12:29
	600-82739-E-1 MSD	C32210.D	11/18/2013	12:54
TB02-11112013	600-82738-19	C32213.D	11/18/2013	14:11
TB03-11122013	600-82738-38	C32214.D	11/18/2013	14:37
TB05-11132013	600-82738-63	C32215.D	11/18/2013	15:03
TB06-11132013	600-82738-64	C32216.D	11/18/2013	15:29
TB04-11122013	600-82738-44	C32217.D	11/18/2013	15:54
TB01-11112013	600-82738-13	C32218.D	11/18/2013	16:20

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-120809/2 Date Analyzed: 11/18/2013 08:44

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): C32201.D Heated Purge: (Y/N) N

Calibration ID: 2595

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		548815	5.37	6302	6.14	204783	8.75
UPPER LIMIT		1097630	5.87	12604	6.64	409566	9.25
LOWER LIMIT		274408	4.87	3151	5.64	102392	8.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-120809/3		496590	5.37	6821	6.14	189160	8.75
MB 600-120809/4		461014	5.36	5337	6.15	176746	8.75
600-82739-E-1 MS		506306	5.37	6685	6.15	200538	8.75
600-82739-E-1 MSD		513885	5.37	7545	6.14	202032	8.75
600-82738-19	TB02-11112013	470486	5.36	5430	6.15	182823	8.75
600-82738-38	TB03-11122013	461401	5.36	5742	6.14	177538	8.75
600-82738-63	TB05-11132013	455443	5.37	5205	6.14	176103	8.75
600-82738-64	TB06-11132013	437386	5.37	4628	6.16	168829	8.75
600-82738-44	TB04-11122013	440407	5.37	5134	6.15	170849	8.75
600-82738-13	TB01-11112013	442512	5.37	5274	6.16	172189	8.75

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Sample No.: CCVIS 600-120809/2 Date Analyzed: 11/18/2013 08:44

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): C32201.D Heated Purge: (Y/N) N

Calibration ID: 2595

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		182067	11.69				
UPPER LIMIT		364134	12.19				
LOWER LIMIT		91034	11.19				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-120809/3		172848	11.69				
MB 600-120809/4		147110	11.69				
600-82739-E-1 MS		175165	11.69				
600-82739-E-1 MSD		180989	11.69				
600-82738-19	TB02-11112013	148772	11.68				
600-82738-38	TB03-11122013	146430	11.69				
600-82738-63	TB05-11132013	143545	11.68				
600-82738-64	TB06-11132013	138302	11.69				
600-82738-44	TB04-11122013	138267	11.68				
600-82738-13	TB01-11112013	139010	11.68				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB01-11112013 | Lab Sample ID: 600-82738-13

Matrix: Water | Lab File ID: C32218.D

Analysis Method: 8260B | Date Collected: 11/11/2013 11:50

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 16:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	J	1.00	0.0800
108-86-1	Bromobenzene	0.190	J	1.00	0.190
74-97-5	Bromochloromethane	0.180	J	1.00	0.180
75-27-4	Bromodichloromethane	0.160	J	1.00	0.160
75-25-2	Bromoform	0.190	J	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	J	1.00	0.150
108-90-7	Chlorobenzene	0.120	J	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	J	1.00	0.150
75-00-3	Chloroethane	0.0800	J	2.00	0.0800
67-66-3	Chloroform	0.130	J	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB01-11112013 | Lab Sample ID: 600-82738-13

Matrix: Water | Lab File ID: C32218.D

Analysis Method: 8260B | Date Collected: 11/11/2013 11:50

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 16:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	93		62-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB02-11112013 | Lab Sample ID: 600-82738-19

Matrix: Water | Lab File ID: C32213.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 14:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.109	J	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB02-11112013 | Lab Sample ID: 600-82738-19

Matrix: Water | Lab File ID: C32213.D

Analysis Method: 8260B | Date Collected: 11/12/2013 12:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 14:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.652	J B	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	97		62-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB03-11122013 | Lab Sample ID: 600-82738-38

Matrix: Water | Lab File ID: C32214.D

Analysis Method: 8260B | Date Collected: 11/12/2013 07:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 14:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	U	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB03-11122013 Lab Sample ID: 600-82738-38

Matrix: Water Lab File ID: C32214.D

Analysis Method: 8260B Date Collected: 11/12/2013 07:00

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 14:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.604	J B	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	99		62-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB04-11122013 Lab Sample ID: 600-82738-44

Matrix: Water Lab File ID: C32217.D

Analysis Method: 8260B Date Collected: 11/12/2013 07:00

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 15:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	U	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB04-11122013 | Lab Sample ID: 600-82738-44

Matrix: Water | Lab File ID: C32217.D

Analysis Method: 8260B | Date Collected: 11/12/2013 07:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 15:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	103		67-139
1868-53-7	Dibromofluoromethane	93		62-130
2037-26-5	Toluene-d8 (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB05-11132013 Lab Sample ID: 600-82738-63

Matrix: Water Lab File ID: C32215.D

Analysis Method: 8260B Date Collected: 11/13/2013 08:00

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 15:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	U	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB05-11132013 | Lab Sample ID: 600-82738-63

Matrix: Water | Lab File ID: C32215.D

Analysis Method: 8260B | Date Collected: 11/13/2013 08:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 15:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	93		62-130
2037-26-5	Toluene-d8 (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB06-11132013 | Lab Sample ID: 600-82738-64

Matrix: Water | Lab File ID: C32216.D

Analysis Method: 8260B | Date Collected: 11/13/2013 09:00

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 15:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	U	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: TB06-11132013 Lab Sample ID: 600-82738-64

Matrix: Water Lab File ID: C32216.D

Analysis Method: 8260B Date Collected: 11/13/2013 09:00

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 15:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		67-139
1868-53-7	Dibromofluoromethane	97		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		50-134

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120687/15	C31902.D
Level 2	IC 600-120687/2	C31903.D
Level 3	IC 600-120687/3	C31904.D
Level 4	ICIS 600-120687/4	C31905.D
Level 5	IC 600-120687/5	C31906.D
Level 6	IC 600-120687/6	C31907.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.0802 0.0750	0.0832	0.0827	0.0807	0.0770	Ave		0.0798				4.0		15.0			
Chloromethane	0.2150 0.1316	0.1222	0.1512	0.1364	0.1192	Lin1	-0.036	0.1278			0.1000				0.9937		0.9900
Vinyl chloride	0.2269 0.2391	0.2319	0.2399	0.2491	0.2409	Ave		0.2380				3.2		30.0			
Butadiene	0.2165 0.1963	0.1825	0.1963	0.2011	0.1918	Ave		0.1974				5.7		15.0			
Bromomethane	0.0894 0.0989	0.0851	0.1051	0.1075	0.1070	Lin1	0.0097	0.1027							0.9974		0.9900
Chloroethane	0.1672 0.1905	0.1623	0.2042	0.1965	0.1904	Ave		0.1852				9.0		15.0			
Trichlorofluoromethane	0.3233 0.3176	0.3275	0.3539	0.3371	0.3158	Ave		0.3292				4.3		15.0			
Ethyl ether	0.1887 0.1400	0.1649	0.1587	0.1539	0.1493	Ave		0.1592				10.5		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3514 0.2702	0.3143	0.2944	0.2943	0.2735	Ave		0.2997				10.0		15.0			
Acrolein	0.0086 0.0053	0.0070	0.0063	0.0062	0.0058	Lin1	-0.266	0.0054							0.9975		0.9900
1,1-Dichloroethene	0.3991 0.3116	0.3739	0.3614	0.3457	0.3242	Ave		0.3527				9.2		30.0			
Acetone	0.0516 0.0249	0.0357	0.0292	0.0296	0.0278	Lin1	-0.162	0.0252							0.9972		0.9900
Iodomethane	0.2846 0.4341	0.3194	0.3571	0.3948	0.4094	Lin1	0.0376	0.4295							0.9987		0.9900
Carbon disulfide	0.6376 0.8160	0.7339	0.7511	0.8069	0.8010	Lin1	0.0186	0.8170							0.9999		0.9900
3-Chloro-1-propene	0.1619 0.1865	0.1414	0.1768	0.1839	0.1817	Ave		0.1720				10.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
Methyl acetate	0.0792	0.0735	0.0725	0.0726	0.0684	Ave		0.0724				5.6		15.0			
	0.0683																
Methylene Chloride	0.4570	0.3595	0.3058	0.2906	0.2685	Lin1	-0.070	0.2534							0.9989		0.9900
	0.2525																
t-Butanol	0.0076	0.0054	0.0049	0.0049	0.0051	Lin1	-0.277	0.0049							0.9981		0.9900
	0.0050																
trans-1,2-Dichloroethene	0.3820	0.3344	0.3347	0.3334	0.3137	Ave		0.3353				7.5		15.0			
	0.3134																
Methyl tert-butyl ether	0.4431	0.3986	0.3992	0.4084	0.4040	Ave		0.4109				4.0		15.0			
	0.4121																
Acrylonitrile	0.0355	0.0311	0.0317	0.0320	0.0316	Ave		0.0320				5.7		15.0			
	0.0303																
1,1-Dichloroethane	0.6474	0.5905	0.5807	0.5844	0.5539	Ave		0.5847			0.1000	5.9		15.0			
	0.5516																
Vinyl acetate	0.1901	0.1618	0.1691	0.1773	0.1804	Ave		0.1760				5.5		15.0			
	0.1772																
2,2-Dichloropropane	0.4204	0.3874	0.3982	0.4189	0.4169	Ave		0.4142				4.7		15.0			
	0.4435																
cis-1,2-Dichloroethene	0.3750	0.3344	0.3193	0.3407	0.3215	Ave		0.3346				6.5		15.0			
	0.3169																
2-Butanone (MEK)	0.0452	0.0366	0.0382	0.0371	0.0357	Ave		0.0382				9.1		15.0			
	0.0367																
Bromochloromethane	0.1272	0.1203	0.1160	0.1140	0.1077	Ave		0.1152				6.9		15.0			
	0.1060																
Tetrahydrofuran	0.0318	0.0259	0.0241	0.0251	0.0240	Ave		0.0259				11.5		15.0			
	0.0244																
Chloroform	0.6179	0.5628	0.5373	0.5452	0.5153	Ave		0.5488				7.0		30.0			
	0.5146																
Cyclohexane	0.5322	0.5331	0.5261	0.5311	0.5108	Ave		0.5248				1.8		15.0			
	0.5158																
1,1,1-Trichloroethane	0.5315	0.4929	0.4955	0.5134	0.5088	Ave		0.5126				3.4		15.0			
	0.5332																
Carbon tetrachloride	0.4119	0.3885	0.4052	0.4268	0.4292	Ave		0.4197				5.6		15.0			
	0.4563																
1,1-Dichloropropene	1.2202	1.1970	1.1313	1.1828	1.1020	Ave		1.1583				4.2		15.0			
	1.1167																
Benzene	1.5333	1.4030	1.3555	1.3500	1.2742	Ave		1.3635				7.2		15.0			
	1.2650																
1,2-Dichloroethane	0.3345	0.2775	0.2741	0.2793	0.2674	Ave		0.2829				9.2		15.0			
	0.2644																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6																
1,4-Dioxane	0	0.9961	0.9548	0.7529	0.7813	Qua	0.0138	0.9424	0.3033						0.9984		
	0.5964																
n-Heptane	0.5425	0.4446	0.4275	0.4298	0.4015	Ave		0.4401				12.2		15.0			
	0.3943																
Trichloroethene	0.4268	0.3730	0.3631	0.3726	0.3588	Ave		0.3758				6.8		15.0			
	0.3608																
Methylcyclohexane	0.6179	0.6035	0.6044	0.6094	0.5908	Ave		0.6015				2.1		15.0			
	0.5831																
Isobutyl alcohol	0.0016	0.0015	0.0015	0.0015	0.0015	Ave		0.0015				4.7		15.0			
	0.0014																
1,2-Dichloropropane	0.3087	0.2855	0.2791	0.2817	0.2708	Ave		0.2822				5.2		30.0			
	0.2677																
Dibromomethane	0.1184	0.1027	0.1054	0.1052	0.1037	Ave		0.1063				5.7		15.0			
	0.1025																
Bromodichloromethane	0.7835	0.7404	0.7623	0.8059	0.8147	Ave		0.7933				5.1		15.0			
	0.8532																
2-Chloroethyl vinyl ether	0.3387	0.3408	0.3475	0.3884	0.3968	Ave		0.3705				8.6		15.0			
	0.4105																
cis-1,3-Dichloropropene	0.7587	0.7387	0.7775	0.8696	0.8805	Ave		0.8263				9.5		15.0			
	0.9330																
4-Methyl-2-pentanone (MIBK)	0.2285	0.2112	0.2141	0.2238	0.2286	Ave		0.2237				4.2		15.0			
	0.2358																
Toluene	2.5608	2.3981	2.3611	2.3888	2.2574	Ave		2.3672				4.9		30.0			
	2.2372																
trans-1,3-Dichloropropene	0.4655	0.4229	0.4693	0.5445	0.5882	Lin1	0.0422	0.6239							0.9955		0.9900
	0.6374																
Ethyl methacrylate	0.1684	0.1566	0.3489	0.1922	0.2052	Lin	0.0086	0.2107							0.9977		0.9900
	0.2114																
1,1,2-Trichloroethane	0.4402	0.4183	0.3916	0.3909	0.3931	Ave		0.4019				5.7		15.0			
	0.3774																
Tetrachloroethene	0.8129	0.8076	0.7686	0.7652	0.7222	Ave		0.7637				5.7		15.0			
	0.7057																
1,3-Dichloropropane	0.7834	0.7181	0.6995	0.7080	0.7005	Ave		0.7152				5.0		15.0			
	0.6814																
2-Hexanone	0.1213	0.1135	0.1250	0.1352	0.1442	Ave		0.1316				10.8		15.0			
	0.1504																
Chlorodibromomethane	0.3643	0.3305	0.3586	0.4049	0.4310	Ave		0.3938				13.4		15.0			
	0.4738																
1,2-Dibromoethane	0.3651	0.3505	0.3499	0.3610	0.3569	Ave		0.3570				1.7		15.0			
	0.3583																

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	0 0.3418	0.3631	0.3400	0.3494	0.3479	Ave		0.3514			0.3000	3.1		15.0			
Chlorobenzene	2.7532 2.2867	2.5569	2.4411	2.4656	2.3634	Ave		2.4778			0.3000	6.6		15.0			
trans-1,4-Dichloro-2-butene	0 0.0468	0.0353	0.0421	0.0410	0.0413	Ave		0.0417				9.2		15.0			
Ethylbenzene	1.5656 1.4657	1.4784	1.4832	1.5255	1.4831	Ave		1.5002				2.5		30.0			
1,1,1,2-Tetrachloroethane	0.6615 0.7299	0.6162	0.6478	0.6953	0.6937	Ave		0.6741				6.0		15.0			
m-Xylene & p-Xylene	1.8490 1.7747	1.8316	1.8396	1.8607	1.8207	Ave		1.8294				1.6		15.0			
o-Xylene	1.5981 1.6377	1.6240	1.6607	1.7367	1.6664	Ave		1.6539				2.9		15.0			
Styrene	2.2847 2.4890	2.3315	2.4093	2.5321	2.5043	Ave		2.4251				4.1		15.0			
Bromoform	0.1232 0.1816	0.1172	0.1285	0.1446	0.1552	Lin1	0.0483	0.1746			0.1000				0.9914		0.9900
Isopropylbenzene	5.3435 5.2606	5.1876	5.3172	5.4523	5.2630	Ave		5.3040				1.7		15.0			
Cyclohexanone	0.0045 0.0057	0.0044	0.0047	0.0054	0.0056	Ave		0.0051				11.3		15.0			
Bromobenzene	1.0074 0.8886	0.9284	0.9202	0.9348	0.9062	Ave		0.9309				4.4		15.0			
N-Propylbenzene	1.5189 1.4964	1.5059	1.5093	1.5757	1.5113	Ave		1.5196				1.9		15.0			
1,2,3-Trichloropropane	0.1454 0.1322	0.1320	0.1384	0.1378	0.1316	Ave		0.1362				4.0		15.0			
2-Chlorotoluene	1.3723 1.2003	1.2729	1.2329	1.2836	1.2191	Ave		1.2635				4.9		15.0			
1,3,5-Trimethylbenzene	4.3298 4.5012	4.3608	4.4207	4.5933	4.4494	Ave		4.4425				2.2		15.0			
4-Chlorotoluene	4.3109 4.0463	4.2026	4.0921	4.2198	4.0410	Ave		4.1521				2.6		15.0			
1,2-Dibromo-3-Chloropropane	0 0.0508	0.0277	0.0357	0.0413	0.0433	Lin1	0.0556	0.0490							0.9920		0.9900
tert-Butylbenzene	3.8816 3.9608	3.8300	3.9099	4.0831	3.9470	Ave		3.9354				2.2		15.0			
1,2,4-Trimethylbenzene	4.4412 4.4831	4.3609	4.4050	4.6416	4.4782	Ave		4.4683				2.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	5.9783 6.0078	5.9241	5.9869	6.2531	5.9982	Ave		6.0247				1.9		15.0			
1,3-Dichlorobenzene	2.3436 1.9898	2.1350	2.0774	2.1210	2.0448	Ave		2.1186				5.8		15.0			
p-Isopropyltoluene	4.9520 5.2335	5.0354	5.1337	5.3559	5.2032	Ave		5.1523				2.8		15.0			
1,4-Dichlorobenzene	2.2960 1.9052	2.0982	2.0300	2.0523	1.9464	Ave		2.0547				6.7		15.0			
n-Butylbenzene	4.2406 4.6327	4.2227	4.4423	4.7757	4.6353	Ave		4.4916				5.1		15.0			
1,2-Dichlorobenzene	1.8792 1.5804	1.7527	1.6745	1.7005	1.6246	Ave		1.7020				6.2		15.0			
1,2,4-Trichlorobenzene	0.9670 0.9250	0.8830	0.8576	0.9375	0.9449	Ave		0.9192				4.5		15.0			
Hexachlorobutadiene	0.2952 0.2938	0.2921	0.2615	0.2908	0.2822	Ave		0.2859				4.5		15.0			
Naphthalene	0.8083 1.1937	0.8043	0.8469	1.0576	1.1562	Lin1	0.0450	1.1857							0.9963		0.9900
1,2,3-Trichlorobenzene	0.7101 0.6772	0.6634	0.6397	0.7079	0.7059	Ave		0.6840				4.2		15.0			
Dibromofluoromethane	0.2794 0.2456	0.2577	0.2513	0.2572	0.2462	Ave		0.2562				4.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2573 0.2260	0.2319	0.2210	0.2237	0.2194	Ave		0.2299				6.1		15.0			
Toluene-d8 (Surr)	3.3404 3.0434	3.2258	3.2298	3.2700	3.1352	Ave		3.2074				3.3		15.0			
4-Bromofluorobenzene	1.1882 1.0914	1.1355	1.1007	1.1280	1.1015	Ave		1.1242				3.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-120687/15	C31902.D
Level 2	IC 600-120687/2	C31903.D
Level 3	IC 600-120687/3	C31904.D
Level 4	ICIS 600-120687/4	C31905.D
Level 5	IC 600-120687/5	C31906.D
Level 6	IC 600-120687/6	C31907.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	2950 167089	6412	16027	31837	62111	1.00 50.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Lin1	7913 293150	9423	29316	53839	96123	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	8350 532640	17885	46505	98296	194307	1.00 50.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	7966 437308	14070	38044	79359	154701	1.00 50.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Lin1	3290 220398	6564	20378	42409	86327	1.00 50.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	6153 424359	12518	39578	77552	153606	1.00 50.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	11899 707730	25253	68609	133001	254727	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	6946 311851	12714	30756	60744	120398	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	12933 602079	24235	57063	116127	220597	1.00 50.0	2.00	5.00	10.0	20.0
Acrolein	FB	Lin1	1587 58987	2681	6121	12270	23330	5.00 250	10.0	25.0	50.0	100
1,1-Dichloroethene	FB	Ave	14688 694185	28833	70066	136419	261527	1.00 50.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	3801 110968	5500	11324	23390	44834	2.00 100	4.00	10.0	20.0	40.0
Iodomethane	FB	Lin1	10474 967156	24630	69229	155764	330229	1.00 50.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Lin1	23466 1818012	56591	145596	318391	646086	1.00 50.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	5959 415555	10900	34281	72567	146594	1.00 50.0	2.00	5.00	10.0	20.0
Methyl acetate	FB	Ave	14574 760739	28348	70294	143236	275676	5.00 250	10.0	25.0	50.0	100

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	Lin1	16817 562680	27720	59274	114666	216540	1.00 50.0	2.00	5.00	10.0	20.0
t-Butanol	FB	Lin1	2804 110664	4198	9455	19354	41178	10.0 500	20.0	50.0	100	200
trans-1,2-Dichloroethene	FB	Ave	14059 698314	25786	64883	131558	253066	1.00 50.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	16307 918277	30735	77383	161146	325853	1.00 50.0	2.00	5.00	10.0	20.0
Acrylonitrile	FB	Ave	13079 675421	24003	61422	126417	254645	10.0 500	20.0	50.0	100	200
1,1-Dichloroethane	FB	Ave	23825 1228910	45535	112573	230573	446812	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	13990 789732	24945	65574	139885	290999	2.00 100	4.00	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	15470 988076	29875	77198	165297	336262	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	13802 706073	25786	61899	134434	259316	1.00 50.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	3325 163587	5638	14803	29247	57648	2.00 100	4.00	10.0	20.0	40.0
Bromochloromethane	FB	Ave	4680 236143	9274	22482	45001	86843	1.00 50.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	2339 108531	3991	9353	19798	38796	2.00 100	4.00	10.0	20.0	40.0
Chloroform	FB	Ave	22740 1146530	43393	104152	215106	415617	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	19586 1149146	41104	101980	209570	412013	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	19562 1187966	38003	96044	202586	410432	1.00 50.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	15160 1016688	29955	78546	168420	346178	1.00 50.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	CBZ	Ave	16981 943238	33865	81461	174583	335239	1.00 50.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	56429 2818467	108183	262771	532675	1027832	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	12312 589101	21399	53132	110202	215672	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dioxane	DXE	Qua	0 22218	910	2106	4009	8359	20.0 1000	40.0	100	200	400
n-Heptane	FB	Ave	19966 878611	34279	82872	169608	323897	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	15708 803846	28758	70394	147000	289398	1.00 50.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	22740 1299229	46535	117168	240455	476574	1.00 50.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Ave	1459 77280	2973	7274	14363	29433	25.0 1250	50.0	125	250	500
1,2-Dichloropropane	FB	Ave	11361 596418	22017	54098	111137	218412	1.00 50.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	4358 228463	7919	20437	41511	83652	1.00 50.0	2.00	5.00	10.0	20.0
Bromodichloromethane	CBZ	Ave	10903 720620	20946	54892	118950	247840	1.00 50.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	CBZ	Ave	4714 346686	9643	25023	57337	120694	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	10558 788040	20900	55986	128361	267863	1.00 50.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	6359 398337	11950	30836	66054	139083	2.00 100	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	35636 1889647	67845	170021	352605	686724	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	6478 538347	11964	33796	80367	178945	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Lin	4687 357055	8862	25121	56743	124840	2.00 100	4.00	5.00	20.0	40.0
1,1,2-Trichloroethane	CBZ	Ave	6126 318786	11835	28198	57699	119572	1.00 50.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	11313 596037	22849	55346	112947	219698	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	10902 575560	20315	50372	104511	213104	1.00 50.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	3377 254113	6423	18008	39904	87740	2.00 100	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBZ	Ave	5069 400159	9350	25822	59766	131119	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	5081 302647	9916	25193	53292	108567	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	0 288740	10272	24480	51576	105828	1.00 50.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	38314 1931474	72339	175781	363934	718975	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	0 71193	1785	5425	10858	22649	2.00 100	4.00	10.0	20.0	40.0

F VI

GC/MS VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethylbenzene	CBZ	Ave	21787 1237983	41827	106802	225167	451173	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	9206 616480	17433	46647	102623	211031	1.00 50.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	25731 1498977	51818	132469	274649	553870	1.00 50.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	22239 1383242	45945	119585	256339	506941	1.00 50.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	31794 2102362	65960	173489	373750	761829	1.00 50.0	2.00	5.00	10.0	20.0
Bromoform	CBZ	Lin1	1715 153347	3315	9256	21342	47216	1.00 50.0	2.00	5.00	10.0	20.0
Isopropylbenzene	DCB	Ave	65224 4000011	131245	342926	722746	1444596	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexanone	CBZ	Ave	3163 241528	6282	16801	39729	85123	50.0 2500	100	250	500	1000
Bromobenzene	DCB	Ave	12296 675661	23488	59345	123913	248743	1.00 50.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	18540 1137835	38100	97340	208875	414830	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	1775 100496	3339	8924	18267	36113	1.00 50.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	16750 912681	32204	79512	170155	334635	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	52850 3422548	110326	285102	608879	1221284	1.00 50.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	52620 3076673	106324	263910	559361	1109194	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	0 38604	702	2301	5475	11898	1.00 50.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	47379 3011674	96897	252159	541248	1083389	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	54210 3408816	110330	284090	615283	1229202	1.00 50.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	72972 4568151	149879	386112	828896	1646407	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	28606 1512990	54015	133981	281158	561264	1.00 50.0	2.00	5.00	10.0	20.0
p-Isopropyltoluene	DCB	Ave	60445 3979348	127393	331090	709961	1428192	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	28025 1448646	53083	130919	272048	534244	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-82738-1 Analy Batch No.: 120687

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/15/2013 09:33 Calibration End Date: 11/15/2013 11:41 Calibration ID: 2595

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	51761 3522565	106833	286501	633056	1272315	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	22938 1201694	44342	107993	225417	445914	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	11803 703325	22340	55310	124278	259360	1.00 50.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	3603 223385	7391	16868	38554	77459	1.00 50.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Lin1	9866 907617	20348	54617	140199	317348	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	8667 514887	16784	41254	93833	193745	1.00 50.0	2.00	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	10283 547169	19868	48721	101485	198586	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	9470 503431	17881	42850	88261	176982	1.00 50.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	46485 2570639	91261	232575	482668	953756	1.00 50.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene	DCB	Ave	14503 829839	28728	70988	149524	302341	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-120809/2 Calibration Date: 11/18/2013 08:44

Instrument ID: VOAMS01 Calib Start Date: 11/15/2013 09:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/15/2013 11:41

Lab File ID: C32201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.0798	0.0926		11.6	10.0	16.1	35.0
Chloromethane	Lin1	0.1459	0.1850	0.1000	14.0	10.0	40.2*	35.0
Vinyl chloride	Ave	0.2380	0.2228		9.36	10.0	-6.4	20.0
Butadiene	Ave	0.1974	0.2282		11.6	10.0	15.6	35.0
Bromomethane	Lin1	0.0988	0.0925		9.13	10.0	-8.7	35.0
Chloroethane	Ave	0.1852	0.1737		9.38	10.0	-6.2	35.0
Trichlorofluoromethane	Ave	0.3292	0.3215		9.77	10.0	-2.3	35.0
Ethyl ether	Ave	0.1592	0.1451		9.11	10.0	-8.9	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2997	0.2931		9.78	10.0	-2.2	35.0
Acrolein	Lin1	0.0065	0.0067		58.3	50.0	16.5	50.0
1,1-Dichloroethene	Ave	0.3527	0.3447		9.77	10.0	-2.3	20.0
Acetone	Lin1	0.0331	0.0276		19.9	20.0	-0.4	50.0
Iodomethane	Lin1	0.3666	0.3565		8.77	10.0	-12.3	35.0
Carbon disulfide	Lin1	0.7577	0.7539		9.46	10.0	-5.4	35.0
3-Chloro-1-propene	Ave	0.1720	0.1717		9.98	10.0	-0.2	35.0
Methyl acetate	Ave	0.0724	0.0648		44.7	50.0	-10.6	35.0
Methylene Chloride	Lin1	0.3223	0.2600		9.39	10.0	-6.1	50.0
t-Butanol	Lin1	0.0055	0.0047		85.0	100	-15.0	35.0
trans-1,2-Dichloroethene	Ave	0.3353	0.3071		9.16	10.0	-8.4	35.0
Methyl tert-butyl ether	Ave	0.4109	0.3722		9.06	10.0	-9.4	35.0
Acrylonitrile	Ave	0.0320	0.0289		90.3	100	-9.7	50.0
1,1-Dichloroethane	Ave	0.5847	0.5244	0.1000	8.97	10.0	-10.3	35.0
Vinyl acetate	Ave	0.1760	0.1884		21.4	20.0	7.0	50.0
2,2-Dichloropropane	Ave	0.4142	0.4158		10.0	10.0	0.4	35.0
cis-1,2-Dichloroethene	Ave	0.3346	0.3124		9.34	10.0	-6.6	35.0
2-Butanone (MEK)	Ave	0.0382	0.0331		17.3	20.0	-13.5	50.0
Bromochloromethane	Ave	0.1152	0.1062		9.22	10.0	-7.8	35.0
Tetrahydrofuran	Ave	0.0259	0.0228		17.6	20.0	-11.9	35.0
Chloroform	Ave	0.5488	0.5030		9.17	10.0	-8.3	20.0
Cyclohexane	Ave	0.5248	0.5159		9.83	10.0	-1.7	35.0
1,1,1-Trichloroethane	Ave	0.5126	0.4948		9.65	10.0	-3.5	35.0
Carbon tetrachloride	Ave	0.4197	0.4124		9.83	10.0	-1.7	35.0
1,1-Dichloropropene	Ave	1.158	1.135		9.79	10.0	-2.1	35.0
Benzene	Ave	1.364	1.240		9.10	10.0	-9.0	35.0
1,2-Dichloroethane	Ave	0.2829	0.2561		9.05	10.0	-9.5	35.0
n-Heptane	Ave	0.4401	0.5292		12.0	10.0	20.3	35.0
Trichloroethene	Ave	0.3758	0.3470		9.23	10.0	-7.7	35.0
Isobutyl alcohol	Ave	0.0015	0.0015		251	250	0.4	50.0
Methylcyclohexane	Ave	0.6015	0.5885		9.78	10.0	-2.2	35.0
1,2-Dichloropropane	Ave	0.2822	0.2496		8.84	10.0	-11.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-120809/2 Calibration Date: 11/18/2013 08:44

Instrument ID: VOAMS01 Calib Start Date: 11/15/2013 09:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/15/2013 11:41

Lab File ID: C32201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromomethane	Ave	0.1063	0.0976		9.18	10.0	-8.3	35.0
1,4-Dioxane	Qua	0.8755	0.7525		174	200	-13.2	50.0
Bromodichloromethane	Ave	0.7933	0.7638		9.63	10.0	-3.7	35.0
2-Chloroethyl vinyl ether	Ave	0.3705	0.1815		9.80	20.0	-51.0*	35.0
cis-1,3-Dichloropropene	Ave	0.8263	0.8299		10.0	10.0	0.4	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2237	0.2120		19.0	20.0	-5.2	50.0
Toluene	Ave	2.367	2.240		9.47	10.0	-5.4	20.0
trans-1,3-Dichloropropene	Lin1	0.5213	0.5129		8.75	10.0	-12.5	35.0
Ethyl methacrylate	Lin	0.2138	0.3541		16.9	10.0	69.1*	50.0
1,1,2-Trichloroethane	Ave	0.4019	0.3699		9.20	10.0	-8.0	35.0
Tetrachloroethene	Ave	0.7637	0.7258		9.50	10.0	-5.0	35.0
1,3-Dichloropropane	Ave	0.7152	0.6587		9.21	10.0	-7.9	35.0
2-Hexanone	Ave	0.1316	0.1277		19.4	20.0	-3.0	50.0
Chlorodibromomethane	Ave	0.3938	0.3829		9.72	10.0	-2.8	35.0
1,2-Dibromoethane	Ave	0.3570	0.3377		9.46	10.0	-5.4	35.0
Chlorobenzene	Ave	2.478	2.306	0.3000	9.31	10.0	-7.0	35.0
Ethylbenzene	Ave	1.500	1.437		9.58	10.0	-4.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6741	0.6574		9.75	10.0	-2.5	35.0
m-Xylene & p-Xylene	Ave	1.829	1.763		9.64	10.0	-3.6	35.0
o-Xylene	Ave	1.654	1.601		9.68	10.0	-3.2	35.0
Styrene	Ave	2.425	2.395		9.88	10.0	-1.3	35.0
Bromoform	Lin1	0.1417	0.1376	0.1000	8.48	10.0	-15.2	35.0
Isopropylbenzene	Ave	5.304	5.244		9.89	10.0	-1.1	35.0
Cyclohexanone	Ave	0.0051	0.0044		433	500	-13.4	35.0
Bromobenzene	Ave	0.9309	0.8941		9.61	10.0	-4.0	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3514	0.3621	0.3000	10.4	10.0	24.7	35.0
N-Propylbenzene	Ave	1.520	1.520		10.0	10.0	0.0	35.0
1,2,3-Trichloropropane	Ave	0.1362	0.1290		9.47	10.0	-5.3	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0417	0.0830		20.1	10.0	141.2*	50.0
2-Chlorotoluene	Ave	1.264	1.204		9.53	10.0	-4.7	35.0
1,3,5-Trimethylbenzene	Ave	4.443	4.359		9.81	10.0	-1.9	35.0
4-Chlorotoluene	Ave	4.152	3.971		9.56	10.0	-4.4	35.0
tert-Butylbenzene	Ave	3.935	3.904		9.92	10.0	-0.8	35.0
1,2,4-Trimethylbenzene	Ave	4.468	4.362		9.76	10.0	-2.4	35.0
sec-Butylbenzene	Ave	6.025	6.033		10.0	10.0	0.1	35.0
1,3-Dichlorobenzene	Ave	2.119	1.984		9.37	10.0	-6.3	35.0
p-Isopropyltoluene	Ave	5.152	5.111		9.92	10.0	-0.8	35.0
1,4-Dichlorobenzene	Ave	2.055	1.934		9.41	10.0	-5.9	35.0
n-Butylbenzene	Ave	4.492	4.620		10.3	10.0	2.9	35.0
1,2-Dichlorobenzene	Ave	1.702	1.578		9.27	10.0	-7.3	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0384	0.0333		7.83	10.0	-21.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Lab Sample ID: CCVIS 600-120809/2 Calibration Date: 11/18/2013 08:44

Instrument ID: VOAMS01 Calib Start Date: 11/15/2013 09:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/15/2013 11:41

Lab File ID: C32201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9192	0.8239		8.96	10.0	-10.4	35.0
Hexachlorobutadiene	Ave	0.2859	0.2786		9.74	10.0	-2.6	35.0
Naphthalene	Lin1	0.9778	0.8601		7.82	10.0	-21.8	35.0
1,2,3-Trichlorobenzene	Ave	0.6840	0.5800		8.48	10.0	-15.2	35.0
Dibromofluoromethane	Ave	0.2562	0.2687		10.5	10.0	4.8	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2299	0.2290		9.96	10.0	-0.4	35.0
Toluene-d8 (Surr)	Ave	3.207	3.583		11.2	10.0	11.7	35.0
4-Bromofluorobenzene	Ave	1.124	1.219		10.8	10.0	8.4	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 600-120809/4

Matrix: Water Lab File ID: C32204.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 10:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	0.6651	J	1.00	0.570
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	0.4322	J	1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
71-43-2	Benzene	0.0800	U	1.00	0.0800
108-86-1	Bromobenzene	0.190	U	1.00	0.190
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
75-25-2	Bromoform	0.190	U	1.00	0.190
74-83-9	Bromomethane	0.250	U	2.00	0.250
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
67-66-3	Chloroform	0.130	U	1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 600-120809/4

Matrix: Water | Lab File ID: C32204.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 10:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.180	U	2.00	0.180
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
74-95-3	Dibromomethane	0.520	U	1.00	0.520
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
87-68-3	Hexachlorobutadiene	0.3821	J	1.00	0.170
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.8564	J	2.00	0.320
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-47-6	o-Xylene	0.120	U	1.00	0.120
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
108-88-3	Toluene	0.150	U	1.00	0.150
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-01-6	Trichloroethene	0.180	U	1.00	0.180
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		67-139
1868-53-7	Dibromofluoromethane	90		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 600-120809/3

Matrix: Water Lab File ID: C32202.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 11/18/2013 09:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120809 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	9.394		1.00	0.180
71-55-6	1,1,1-Trichloroethane	9.479		1.00	0.150
79-34-5	1,1,2,2-Tetrachloroethane	9.749		1.00	0.220
79-00-5	1,1,2-Trichloroethane	8.893		1.00	0.280
75-34-3	1,1-Dichloroethane	9.004		1.00	0.110
75-35-4	1,1-Dichloroethene	8.556		1.00	0.190
563-58-6	1,1-Dichloropropene	9.466		1.00	0.210
87-61-6	1,2,3-Trichlorobenzene	9.825		1.00	0.570
96-18-4	1,2,3-Trichloropropane	8.957		1.00	0.290
120-82-1	1,2,4-Trichlorobenzene	9.620		1.00	0.310
95-63-6	1,2,4-Trimethylbenzene	9.209		1.00	0.140
96-12-8	1,2-Dibromo-3-Chloropropane	8.087		1.00	0.810
106-93-4	1,2-Dibromoethane	9.097		1.00	0.180
95-50-1	1,2-Dichlorobenzene	9.104		1.00	0.100
107-06-2	1,2-Dichloroethane	9.114		1.00	0.140
78-87-5	1,2-Dichloropropane	8.901		1.00	0.160
108-67-8	1,3,5-Trimethylbenzene	9.307		1.00	0.100
541-73-1	1,3-Dichlorobenzene	9.077		1.00	0.130
142-28-9	1,3-Dichloropropane	9.064		1.00	0.220
106-46-7	1,4-Dichlorobenzene	8.958		1.00	0.110
594-20-7	2,2-Dichloropropane	9.798		1.00	0.130
78-93-3	2-Butanone (MEK)	17.20		2.00	0.760
110-75-8	2-Chloroethyl vinyl ether	9.934		2.00	0.500
95-49-8	2-Chlorotoluene	8.888		1.00	0.130
106-43-4	4-Chlorotoluene	9.038		1.00	0.140
71-43-2	Benzene	8.868		1.00	0.0800
108-86-1	Bromobenzene	9.123		1.00	0.190
74-97-5	Bromochloromethane	8.907		1.00	0.180
75-27-4	Bromodichloromethane	9.092		1.00	0.160
75-25-2	Bromoform	7.957		1.00	0.190
74-83-9	Bromomethane	11.19		2.00	0.250
56-23-5	Carbon tetrachloride	9.713		1.00	0.150
108-90-7	Chlorobenzene	9.101		1.00	0.120
124-48-1	Chlorodibromomethane	9.119		1.00	0.150
75-00-3	Chloroethane	10.37		2.00	0.0800
67-66-3	Chloroform	8.960		1.00	0.130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 600-120809/3

Matrix: Water | Lab File ID: C32202.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 09:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10.16		2.00	0.180
156-59-2	cis-1,2-Dichloroethene	9.239		1.00	0.0600
10061-01-5	cis-1,3-Dichloropropene	9.531		1.00	0.180
74-95-3	Dibromomethane	9.126		1.00	0.520
75-71-8	Dichlorodifluoromethane	12.98		1.00	0.120
100-41-4	Ethylbenzene	9.156		1.00	0.110
87-68-3	Hexachlorobutadiene	8.973		1.00	0.170
98-82-8	Isopropylbenzene	9.207		1.00	0.180
1634-04-4	Methyl tert-butyl ether	8.954		1.00	0.120
75-09-2	Methylene Chloride	9.204		5.00	0.150
179601-23-1	m-Xylene & p-Xylene	9.296		1.00	0.170
91-20-3	Naphthalene	9.464		2.00	0.320
104-51-8	n-Butylbenzene	9.789		1.00	0.160
103-65-1	N-Propylbenzene	9.209		1.00	0.150
95-47-6	o-Xylene	9.287		1.00	0.120
99-87-6	p-Isopropyltoluene	9.374		1.00	0.100
135-98-8	sec-Butylbenzene	9.408		1.00	0.120
100-42-5	Styrene	9.577		1.00	0.0700
98-06-6	tert-Butylbenzene	9.326		1.00	0.0800
127-18-4	Tetrachloroethene	9.128		1.00	0.130
108-88-3	Toluene	9.085		1.00	0.150
156-60-5	trans-1,2-Dichloroethene	9.077		1.00	0.0900
10061-02-6	trans-1,3-Dichloropropene	8.352		1.00	0.210
79-01-6	Trichloroethene	8.955		1.00	0.180
75-69-4	Trichlorofluoromethane	11.05		1.00	0.0800
75-01-4	Vinyl chloride	10.55		2.00	0.110
1330-20-7	Xylenes, Total	18.58		1.00	0.260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		67-139
1868-53-7	Dibromofluoromethane	103		62-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: 600-82739-E-1 MS

Matrix: Water | Lab File ID: C32209.D

Analysis Method: 8260B | Date Collected: 11/14/2013 15:25

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 12:29

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	471.0		50.0	9.00
71-55-6	1,1,1-Trichloroethane	543.9		50.0	7.50
79-34-5	1,1,2,2-Tetrachloroethane	466.9		50.0	11.0
79-00-5	1,1,2-Trichloroethane	470.0		50.0	14.0
75-34-3	1,1-Dichloroethane	500.6		50.0	5.50
75-35-4	1,1-Dichloroethene	421.1		50.0	9.50
563-58-6	1,1-Dichloropropene	515.7		50.0	10.5
87-61-6	1,2,3-Trichlorobenzene	440.7		50.0	28.5
96-18-4	1,2,3-Trichloropropane	477.0		50.0	14.5
120-82-1	1,2,4-Trichlorobenzene	463.4		50.0	15.5
95-63-6	1,2,4-Trimethylbenzene	547.0		50.0	7.00
96-12-8	1,2-Dibromo-3-Chloropropane	382.6		50.0	40.5
106-93-4	1,2-Dibromoethane	478.8		50.0	9.00
95-50-1	1,2-Dichlorobenzene	470.5		50.0	5.00
107-06-2	1,2-Dichloroethane	510.7		50.0	7.00
78-87-5	1,2-Dichloropropane	489.6		50.0	8.00
108-67-8	1,3,5-Trimethylbenzene	541.3		50.0	5.00
541-73-1	1,3-Dichlorobenzene	484.0		50.0	6.50
142-28-9	1,3-Dichloropropane	464.4		50.0	11.0
106-46-7	1,4-Dichlorobenzene	475.1		50.0	5.50
594-20-7	2,2-Dichloropropane	552.5		50.0	6.50
78-93-3	2-Butanone (MEK)	911.2		100	38.0
110-75-8	2-Chloroethyl vinyl ether	399.1		100	25.0
95-49-8	2-Chlorotoluene	494.5		50.0	6.50
106-43-4	4-Chlorotoluene	502.9		50.0	7.00
71-43-2	Benzene	4623		50.0	4.00
108-86-1	Bromobenzene	485.2		50.0	9.50
74-97-5	Bromochloromethane	498.4		50.0	9.00
75-27-4	Bromodichloromethane	469.7		50.0	8.00
75-25-2	Bromoform	364.5		50.0	9.50
74-83-9	Bromomethane	402.7		100	12.5
56-23-5	Carbon tetrachloride	537.0		50.0	7.50
108-90-7	Chlorobenzene	469.2		50.0	6.00
124-48-1	Chlorodibromomethane	446.2		50.0	7.50
75-00-3	Chloroethane	498.5		100	4.00
67-66-3	Chloroform	505.4		50.0	6.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: 600-82739-E-1 MS

Matrix: Water | Lab File ID: C32209.D

Analysis Method: 8260B | Date Collected: 11/14/2013 15:25

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 12:29

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	437.5		100	9.00
156-59-2	cis-1,2-Dichloroethene	520.1		50.0	3.00
10061-01-5	cis-1,3-Dichloropropene	489.8		50.0	9.00
74-95-3	Dibromomethane	489.6		50.0	26.0
75-71-8	Dichlorodifluoromethane	506.8		50.0	6.00
100-41-4	Ethylbenzene	689.9		50.0	5.50
87-68-3	Hexachlorobutadiene	473.9		50.0	8.50
98-82-8	Isopropylbenzene	545.9		50.0	9.00
1634-04-4	Methyl tert-butyl ether	504.9		50.0	6.00
75-09-2	Methylene Chloride	544.1		250	7.50
179601-23-1	m-Xylene & p-Xylene	932.3		50.0	8.50
91-20-3	Naphthalene	437.2		100	16.0
104-51-8	n-Butylbenzene	535.5		50.0	8.00
103-65-1	N-Propylbenzene	544.1		50.0	7.50
95-47-6	o-Xylene	675.9		50.0	6.00
99-87-6	p-Isopropyltoluene	518.8		50.0	5.00
135-98-8	sec-Butylbenzene	523.8		50.0	6.00
100-42-5	Styrene	500.5		50.0	3.50
98-06-6	tert-Butylbenzene	529.0		50.0	4.00
127-18-4	Tetrachloroethene	496.3		50.0	6.50
108-88-3	Toluene	776.6		50.0	7.50
156-60-5	trans-1,2-Dichloroethene	510.0		50.0	4.50
10061-02-6	trans-1,3-Dichloropropene	436.2		50.0	10.5
79-01-6	Trichloroethene	512.4		50.0	9.00
75-69-4	Trichlorofluoromethane	515.3		50.0	4.00
75-01-4	Vinyl chloride	498.6		100	5.50
1330-20-7	Xylenes, Total	1608		50.0	13.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	104		62-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: 600-82739-E-1 MSD

Matrix: Water | Lab File ID: C32210.D

Analysis Method: 8260B | Date Collected: 11/14/2013 15:25

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 12:54

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	460.2		50.0	9.00
71-55-6	1,1,1-Trichloroethane	520.3		50.0	7.50
79-34-5	1,1,2,2-Tetrachloroethane	476.1		50.0	11.0
79-00-5	1,1,2-Trichloroethane	456.8		50.0	14.0
75-34-3	1,1-Dichloroethane	476.7		50.0	5.50
75-35-4	1,1-Dichloroethene	401.3		50.0	9.50
563-58-6	1,1-Dichloropropene	493.9		50.0	10.5
87-61-6	1,2,3-Trichlorobenzene	523.3		50.0	28.5
96-18-4	1,2,3-Trichloropropane	464.4		50.0	14.5
120-82-1	1,2,4-Trichlorobenzene	507.6		50.0	15.5
95-63-6	1,2,4-Trimethylbenzene	525.6		50.0	7.00
96-12-8	1,2-Dibromo-3-Chloropropane	409.6		50.0	40.5
106-93-4	1,2-Dibromoethane	456.8		50.0	9.00
95-50-1	1,2-Dichlorobenzene	474.2		50.0	5.00
107-06-2	1,2-Dichloroethane	497.5		50.0	7.00
78-87-5	1,2-Dichloropropane	474.7		50.0	8.00
108-67-8	1,3,5-Trimethylbenzene	514.7		50.0	5.00
541-73-1	1,3-Dichlorobenzene	470.5		50.0	6.50
142-28-9	1,3-Dichloropropane	457.7		50.0	11.0
106-46-7	1,4-Dichlorobenzene	462.1		50.0	5.50
594-20-7	2,2-Dichloropropane	522.7		50.0	6.50
78-93-3	2-Butanone (MEK)	980.2		100	38.0
110-75-8	2-Chloroethyl vinyl ether	297.9		100	25.0
95-49-8	2-Chlorotoluene	469.9		50.0	6.50
106-43-4	4-Chlorotoluene	480.4		50.0	7.00
71-43-2	Benzene	4403		50.0	4.00
108-86-1	Bromobenzene	466.7		50.0	9.50
74-97-5	Bromochloromethane	471.5		50.0	9.00
75-27-4	Bromodichloromethane	460.4		50.0	8.00
75-25-2	Bromoform	370.4		50.0	9.50
74-83-9	Bromomethane	486.3		100	12.5
56-23-5	Carbon tetrachloride	514.4		50.0	7.50
108-90-7	Chlorobenzene	456.5		50.0	6.00
124-48-1	Chlorodibromomethane	450.6		50.0	7.50
75-00-3	Chloroethane	520.7		100	4.00
67-66-3	Chloroform	481.9		50.0	6.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston | Job No.: 600-82738-1

SDG No.:

Client Sample ID: | Lab Sample ID: 600-82739-E-1 MSD

Matrix: Water | Lab File ID: C32210.D

Analysis Method: 8260B | Date Collected: 11/14/2013 15:25

Sample wt/vol: 20(mL) | Date Analyzed: 11/18/2013 12:54

Soil Aliquot Vol: | Dilution Factor: 50

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 120809 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	444.6		100	9.00
156-59-2	cis-1,2-Dichloroethene	496.1		50.0	3.00
10061-01-5	cis-1,3-Dichloropropene	473.8		50.0	9.00
74-95-3	Dibromomethane	478.1		50.0	26.0
75-71-8	Dichlorodifluoromethane	509.9		50.0	6.00
100-41-4	Ethylbenzene	664.9		50.0	5.50
87-68-3	Hexachlorobutadiene	495.4		50.0	8.50
98-82-8	Isopropylbenzene	516.7		50.0	9.00
1634-04-4	Methyl tert-butyl ether	485.8		50.0	6.00
75-09-2	Methylene Chloride	519.5		250	7.50
179601-23-1	m-Xylene & p-Xylene	897.5		50.0	8.50
91-20-3	Naphthalene	520.6		100	16.0
104-51-8	n-Butylbenzene	523.3		50.0	8.00
103-65-1	N-Propylbenzene	510.3		50.0	7.50
95-47-6	o-Xylene	654.8		50.0	6.00
99-87-6	p-Isopropyltoluene	503.6		50.0	5.00
135-98-8	sec-Butylbenzene	502.4		50.0	6.00
100-42-5	Styrene	494.8		50.0	3.50
98-06-6	tert-Butylbenzene	502.0		50.0	4.00
127-18-4	Tetrachloroethene	468.8		50.0	6.50
108-88-3	Toluene	737.8		50.0	7.50
156-60-5	trans-1,2-Dichloroethene	482.9		50.0	4.50
10061-02-6	trans-1,3-Dichloropropene	427.6		50.0	10.5
79-01-6	Trichloroethene	478.7		50.0	9.00
75-69-4	Trichlorofluoromethane	582.6		50.0	4.00
75-01-4	Vinyl chloride	526.6		100	5.50
1330-20-7	Xylenes, Total	1552		50.0	13.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS01 Start Date: 11/15/2013 08:03

Analysis Batch Number: 120687 End Date: 11/15/2013 18:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-120687/1		11/15/2013 08:03	1	C31900.D	DB-624 0.18(mm)
IC 600-120687/15		11/15/2013 09:33	1	C31902.D	DB-624 0.18(mm)
IC 600-120687/2		11/15/2013 09:58	1	C31903.D	DB-624 0.18(mm)
IC 600-120687/3		11/15/2013 10:24	1	C31904.D	DB-624 0.18(mm)
ICIS 600-120687/4		11/15/2013 10:50	1	C31905.D	DB-624 0.18(mm)
IC 600-120687/5		11/15/2013 11:15	1	C31906.D	DB-624 0.18(mm)
IC 600-120687/6		11/15/2013 11:41	1	C31907.D	DB-624 0.18(mm)
ZZZZZ		11/15/2013 15:56	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 16:21	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 16:47	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 17:13	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 17:38	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 18:04	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 18:30	1		DB-624 0.18(mm)
ZZZZZ		11/15/2013 18:55	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

ab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: VOAMS01 Start Date: 11/18/2013 08:10

Analysis Batch Number: 120809 End Date: 11/18/2013 19:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-120809/1		11/18/2013 08:10	1	C32200.D	DB-624 0.18(mm)
CCVIS 600-120809/2		11/18/2013 08:44	1	C32201.D	DB-624 0.18(mm)
LCS 600-120809/3		11/18/2013 09:17	1	C32202.D	DB-624 0.18(mm)
MB 600-120809/4		11/18/2013 10:09	1	C32204.D	DB-624 0.18(mm)
ZZZZZ		11/18/2013 11:03	1		DB-624 0.18(mm)
ZZZZZ		11/18/2013 11:27	1		DB-624 0.18(mm)
ZZZZZ		11/18/2013 12:03	10		DB-624 0.18(mm)
600-82739-E-1 MS		11/18/2013 12:29	50	C32209.D	DB-624 0.18(mm)
600-82739-E-1 MSD		11/18/2013 12:54	50	C32210.D	DB-624 0.18(mm)
ZZZZZ		11/18/2013 13:20	50		DB-624 0.18(mm)
ZZZZZ		11/18/2013 13:46	500		DB-624 0.18(mm)
600-82738-19	TB02-11112013	11/18/2013 14:11	1	C32213.D	DB-624 0.18(mm)
600-82738-38	TB03-11122013	11/18/2013 14:37	1	C32214.D	DB-624 0.18(mm)
600-82738-63	TB05-11132013	11/18/2013 15:03	1	C32215.D	DB-624 0.18(mm)
600-82738-64	TB06-11132013	11/18/2013 15:29	1	C32216.D	DB-624 0.18(mm)
600-82738-44	TB04-11122013	11/18/2013 15:54	1	C32217.D	DB-624 0.18(mm)
600-82738-13	TB01-11112013	11/18/2013 16:20	1	C32218.D	DB-624 0.18(mm)
ZZZZZ		11/18/2013 16:46	1		DB-624 0.18(mm)
ZZZZZ		11/18/2013 17:11	10		DB-624 0.18(mm)
ZZZZZ		11/18/2013 17:37	10		DB-624 0.18(mm)
ZZZZZ		11/18/2013 18:03	100		DB-624 0.18(mm)
ZZZZZ		11/18/2013 18:29	10		DB-624 0.18(mm)
ZZZZZ		11/18/2013 18:54	10		DB-624 0.18(mm)
ZZZZZ		11/18/2013 19:20	20		DB-624 0.18(mm)
ZZZZZ		11/18/2013 19:46	20		DB-624 0.18(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-82738-1

SDG No.:

Project: Dowell - Artesia Soils, 11/11 - 11/13/13

Client Sample ID	Lab Sample ID
SB01-2-3-11112013	600-82738-2
SB01-5-6-11112013	600-82738-3
SB01-15-16-11112013	600-82738-4
SB01-20-21-11112013	600-82738-5
SB01-24-25-11112013	600-82738-6
SB02-2-3-11112013	600-82738-7
SB02-5-6-11112013	600-82738-8
SB02-12-13-11112013	600-82738-9
SB02-18-19-11112013	600-82738-10
SB02-24-25-11112013	600-82738-11
FD02-24-25-11112013	600-82738-12
SB03-2-3-11112013	600-82738-14
SB03-5-6-11112013	600-82738-15
SB03-15-16-11112013	600-82738-16
SB03-18-19-11112013	600-82738-17
SB03-24-25-11112013	600-82738-18
SB04-2-3-11122013	600-82738-20
SB04-5-6-11122013	600-82738-21
SB04-15-16-11122013	600-82738-22
SB04-20-21-11122013	600-82738-23
FD04-20-21-11122013	600-82738-24
SB04-29-30-11122013	600-82738-25
SB05-2-3-11122013	600-82738-26
SB05-5-6-11122013	600-82738-27
SB05-11-12-11122013	600-82738-28
SB05-18-19-11122013	600-82738-29
SB05-25-26-11122013	600-82738-30
SB06-2-3-11122013	600-82738-32
SB06-5-6-11122013	600-82738-33
SB06-11-12-11122013	600-82738-34
SB06-16-17-11122013	600-82738-35
SB06-21-22-11122013	600-82738-36
FD06-21-22-11122013	600-82738-37
SB07-2-3-11122013	600-82738-39
SB07-5-6-11122013	600-82738-40
SB07-14-15-11122013	600-82738-41
SB07-20-21-11122013	600-82738-42
SB07-29-30-11122013	600-82738-43
SB08-2-3-11132013	600-82738-45
SB08-5-6-11132013	600-82738-46
FD08-5-6-11132013	600-82738-47
SB08-16-17-11132013	600-82738-48
SB08-19-20-11132013	600-82738-49
SB08-24-25-11132013	600-82738-50
SB09-2-3-11132013	600-82738-51

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-82738-1

SDG No.:

Project: Dowell - Artesia Soils, 11/11 - 11/13/13

Client Sample ID	Lab Sample ID
SB09-5-6-11132013	600-82738-52
SB09-16-17-11132013	600-82738-53
SB09-18-19-11132013	600-82738-54
SB09-20-21-11132013	600-82738-55
SB10-2-3-11132013	600-82738-56
SB10-5-6-11132013	600-82738-57
SB10-15-16-11132013	600-82738-58
SB10-20-21-11132013	600-82738-59
SB10-29-30-11132013	600-82738-60
FD10-29-30-11132013	600-82738-61

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-82738-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 09/05/2005 11:35

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/19/2013 08:47 End Date: 11/19/2013 09:45

Lab Sample ID	D/F	Type	Time	Analytes	
				% Sol	Moist
ZZZZZZ			08:47		
ZZZZZZ			08:47		
ZZZZZZ			08:47		
ZZZZZZ			08:47		
600-82738-2	1	T	08:47	X	X
600-82738-2 MS	1	T	08:47	X	X
600-82738-2 MSD	1	T	08:47	X	X
600-82738-3	1	T	08:47	X	X
600-82738-4	1	T	08:47	X	X
600-82738-5	1	T	08:47	X	X
600-82738-6	1	T	08:47	X	X
600-82738-7	1	T	08:47	X	X
600-82738-8	1	T	08:47	X	X
600-82738-9	1	T	08:47	X	X
600-82738-9 DU	1	T	08:47	X	X
600-82738-10	1	T	08:47	X	X
600-82738-11	1	T	08:47	X	X
600-82738-12	1	T	08:47	X	X
600-82738-14	1	T	08:47	X	X
600-82738-15	1	T	08:47	X	X
600-82738-16	1	T	08:47	X	X
600-82738-17	1	T	08:47	X	X
600-82738-18	1	T	08:47	X	X
600-82738-20	1	T	08:47	X	X
600-82738-21	1	T	08:47	X	X
600-82738-21 DU	1	T	08:47	X	X
600-82738-22	1	T	08:47	X	X
600-82738-23	1	T	08:47	X	X
600-82738-24	1	T	08:47	X	X
600-82738-25	1	T	08:47	X	X
600-82738-26	1	T	08:47	X	X
600-82738-27	1	T	08:47	X	X
600-82738-27 MS	1	T	08:47	X	X
600-82738-27 MSD	1	T	08:47	X	X
600-82738-28	1	T	08:47	X	X
600-82738-29	1	T	08:47	X	X
600-82738-30	1	T	08:47	X	X
600-82738-32	1	T	08:47	X	X
600-82738-32 DU	1	T	08:47	X	X
600-82738-33	1	T	08:47	X	X
600-82738-34	1	T	08:47	X	X
600-82738-35	1	T	08:47	X	X

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/19/2013 08:47 End Date: 11/19/2013 09:45

Lab Sample ID	D/F	Type	Time	Analytes	
				% Sol	Moist
600-82738-36	1	T	08:47	X	X
600-82738-37	1	T	08:47	X	X
600-82738-39	1	T	08:47	X	X
600-82738-40	1	T	08:47	X	X
600-82738-41	1	T	08:47	X	X
600-82738-42	1	T	08:47	X	X
600-82738-43	1	T	08:47	X	X
600-82738-43 DU	1	T	08:47	X	X
600-82738-45	1	T	08:47	X	X
600-82738-46	1	T	08:47	X	X
600-82738-47	1	T	08:47	X	X
600-82738-48	1	T	08:47	X	X
600-82738-49	1	T	08:47	X	X
600-82738-50	1	T	08:47	X	X
600-82738-51	1	T	08:47	X	X
600-82738-52	1	T	08:47	X	X
600-82738-53	1	T	08:47	X	X
600-82738-54	1	T	08:47	X	X
600-82738-54 MS	1	T	08:47	X	X
600-82738-54 MSD	1	T	08:47	X	X
600-82738-55	1	T	08:47	X	X
600-82738-55 DU	1	T	08:47	X	X
600-82738-56	1	T	08:47	X	X
600-82738-57	1	T	08:47	X	X
600-82738-58	1	T	08:47	X	X
600-82738-59	1	T	08:47	X	X
600-82738-60	1	T	08:47	X	X
600-82738-61	1	T	08:47	X	X
ZZZZZZ			08:55		
ZZZZZZ			09:45		
ZZZZZZ			09:45		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120835 Batch Start Date: 11/19/13 08:47 Batch Analyst: Stephney, Amy Y

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry
600-82738-A-2	SB01-2-3-1111201 3	Moisture	T	1.19 g	11.38 g	9.80 g
600-82738-A-2 MS	SB01-2-3-1111201 3MS	Moisture	T	1.19 g	9.17 g	7.93 g
600-82738-A-2 MSD	SB01-2-3-1111201 3MSD	Moisture	T	1.19 g	11.78 g	10.08 g
600-82738-A-3	SB01-5-6-1111201 3	Moisture	T	1.19 g	12.98 g	11.64 g
600-82738-A-4	SB01-15-16-11112 013	Moisture	T	1.19 g	11.61 g	10.11 g
600-82738-A-5	SB01-20-21-11112 013	Moisture	T	1.19 g	11.57 g	9.44 g
600-82738-A-6	SB01-24-25-11112 013	Moisture	T	1.19 g	15.90 g	12.75 g
600-82738-A-7	SB02-2-3-1111201 3	Moisture	T	1.19 g	12.08 g	10.54 g
600-82738-A-8	SB02-5-6-1111201 3	Moisture	T	1.19 g	9.78 g	8.41 g
600-82738-A-9	SB02-12-13-11112 013	Moisture	T	1.19 g	11.32 g	9.44 g
600-82738-A-9 DU	SB02-12-13-11112 013	Moisture	T	1.19 g	12.06 g	9.97 g
600-82738-A-10	SB02-18-19-11112 013	Moisture	T	1.19 g	10.31 g	8.63 g
600-82738-A-11	SB02-24-25-11112 013	Moisture	T	1.19 g	13.05 g	10.52 g
600-82738-A-12	FD02-24-25-11112 013	Moisture	T	1.19 g	13.89 g	11.24 g
600-82738-A-14	SB03-2-3-1111201 3	Moisture	T	1.19 g	10.55 g	9.15 g
600-82738-A-15	SB03-5-6-1111201 3	Moisture	T	1.19 g	10.19 g	8.80 g
600-82738-A-16	SB03-15-16-11112 013	Moisture	T	1.19 g	15.13 g	13.72 g
600-82738-A-17	SB03-18-19-11112 013	Moisture	T	1.19 g	11.28 g	9.49 g
600-82738-A-18	SB03-24-25-11112 013	Moisture	T	1.19 g	12.42 g	11.16 g
600-82738-A-20	SB04-2-3-1112201 3	Moisture	T	1.19 g	10.53 g	9.61 g
600-82738-A-21	SB04-5-6-1112201 3	Moisture	T	1.19 g	13.07 g	11.63 g

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120835 Batch Start Date: 11/19/13 08:47 Batch Analyst: Stephney, Amy Y

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry
600-82738-A-21 DU	SB04-5-6-1112201 3	Moisture	T	1.19 g	13.11 g	11.58 g
600-82738-A-22	SB04-15-16-11122 013	Moisture	T	1.19 g	12.06 g	10.59 g
600-82738-A-23	SB04-20-21-11122 013	Moisture	T	1.19 g	12.52 g	10.35 g
600-82738-A-24	FD04-20-21-11122 013	Moisture	T	1.19 g	14.75 g	11.73 g
600-82738-A-25	SB04-29-30-11122 013	Moisture	T	1.19 g	15.05 g	12.63 g
600-82738-A-26	SB05-2-3-1112201 3	Moisture	T	1.19 g	7.64 g	6.89 g
600-82738-A-27	SB05-5-6-1112201 3	Moisture	T	1.19 g	9.03 g	7.77 g
600-82738-A-27 MS	SB05-5-6-1112201 3MS	Moisture	T	1.19 g	14.88 g	12.73 g
600-82738-A-27 MSD	SB05-5-6-1112201 3MSD	Moisture	T	1.19 g	9.41 g	8.02 g
600-82738-A-28	SB05-11-12-11122 013	Moisture	T	1.19 g	11.84 g	10.61 g
600-82738-A-29	SB05-18-19-11122 013	Moisture	T	1.19 g	12.63 g	10.14 g
600-82738-A-30	SB05-25-26-11122 013	Moisture	T	1.19 g	10.68 g	8.30 g
600-82738-A-32	SB06-2-3-1112201 3	Moisture	T	1.19 g	10.00 g	8.75 g
600-82738-A-32 DU	SB06-2-3-1112201 3	Moisture	T	1.19 g	9.55 g	8.39 g
600-82738-A-33	SB06-5-6-1112201 3	Moisture	T	1.19 g	14.78 g	13.05 g
600-82738-A-34	SB06-11-12-11122 013	Moisture	T	1.19 g	10.96 g	9.00 g
600-82738-A-35	SB06-16-17-11122 013	Moisture	T	1.19 g	12.0 g	9.64 g
600-82738-A-36	SB06-21-22-11122 013	Moisture	T	1.19 g	15.81 g	12.82 g
600-82738-A-37	FD06-21-22-11122 013	Moisture	T	1.19 g	11.75 g	9.18 g
600-82738-A-39	SB07-2-3-1112201 3	Moisture	T	1.19 g	14.55 g	12.89 g
600-82738-A-40	SB07-5-6-1112201 3	Moisture	T	1.19 g	13.11 g	11.35 g

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120835 Batch Start Date: 11/19/13 08:47 Batch Analyst: Stephney, Amy Y

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry
600-82738-A-41	SB07-14-15-11122013	Moisture	T	1.19 g	14.88 g	12.59 g
600-82738-A-42	SB07-20-21-11122013	Moisture	T	1.19 g	12.88 g	9.34 g
600-82738-A-43	SB07-29-30-11122013	Moisture	T	1.19 g	12.63 g	9.85 g
600-82738-A-43 DU	SB07-29-30-11122013	Moisture	T	1.19 g	12.43 g	9.65 g
600-82738-A-45	SB08-2-3-1113203	Moisture	T	1.19 g	14.12 g	12.38 g
600-82738-A-46	SB08-5-6-1113203	Moisture	T	1.19 g	13.98 g	12.13 g
600-82738-A-47	FD08-5-6-1113203	Moisture	T	1.19 g	13.20 g	11.51 g
600-82738-A-48	SB08-16-17-11132013	Moisture	T	1.19 g	13.88 g	11.94 g
600-82738-A-49	SB08-19-20-11132013	Moisture	T	1.19 g	14.93 g	12.93 g
600-82738-A-50	SB08-24-25-11132013	Moisture	T	1.19 g	12.80 g	10.50 g
600-82738-A-51	SB09-2-3-1113203	Moisture	T	1.19 g	9.35 g	8.13 g
600-82738-A-52	SB09-5-6-1113203	Moisture	T	1.19 g	11.15 g	9.57 g
600-82738-A-53	SB09-16-17-11132013	Moisture	T	1.19 g	9.81 g	7.92 g
600-82738-A-54	SB09-18-19-11132013	Moisture	T	1.19 g	12.55 g	10.21 g
600-82738-A-54 MS	SB09-18-19-11132013MS	Moisture	T	1.19 g	12.58 g	9.91 g
600-82738-A-54 MSD	SB09-18-19-11132013MSD	Moisture	T	1.19 g	9.48 g	7.5 g
600-82738-A-55	SB09-20-21-11132013	Moisture	T	1.19 g	8.32 g	6.54 g
600-82738-A-55 DU	SB09-20-21-11132013	Moisture	T	1.19 g	9.56 g	7.65 g
600-82738-A-56	SB10-2-3-1113203	Moisture	T	1.19 g	9.43 g	8.76 g
600-82738-A-57	SB10-5-6-1113203	Moisture	T	1.19 g	8.47 g	7.59 g
600-82738-A-58	SB10-15-16-11132013	Moisture	T	1.19 g	10.72 g	8.56 g

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-82738-1

SDG No.:

Batch Number: 120835 Batch Start Date: 11/19/13 08:47 Batch Analyst: Stephney, Amy Y

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry
600-82738-A-59	SB10-20-21-11132013	Moisture	T	1.19 g	8.90 g	7.49 g
600-82738-A-60	SB10-29-30-11132013	Moisture	T	1.19 g	10.12 g	8.01 g
600-82738-A-61	FD10-29-30-11132013	Moisture	T	1.19 g	7.88 g	6.29 g

Batch Notes
Balance ID: b-2 No Unit

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: L. Hill	Lab PM: Rodrigue, Neil A	Carrier Tracking No(s):	COC No: 600-21725-8135.1
Client Contact: Mr. John Ynfante	Phone: (205) 240-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 1 of 7
Company: CH2M Hill Constructors, Inc.				Job #:
Address: 14701 St Mary's Lane Suite 300	Due Date Requested:			
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			

Analysis Requested

600-82738 Chain of Custody

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		Terracore Kits
SB01-EquBlank-11112013	11/11/13	1355	G	~~Solid~~ W	N	X		3	
SB01-2-3-11112013	11/11/13	1230	G	Solid	N	X		3	
SB01-2-3-11112013MS	11/11/13	1230	G	Solid	N	X		3	
SB01-2-3-11112013MSD	11/11/13	1230	G	Solid	N	X		3	
SB01-5-6-11112013	11/11/13	1240	G	Solid	N	X		3	
SB01-15-16-11112013	11/11/13	1325	G	Solid	N	X		3	
SB01-20-21-11112013	11/11/13	1330	G	Solid	N	X		3	
SB01-24-25-11112013	11/11/13	1335	G	Solid	N	X		3	
SB02-2-3-11112013	11/11/13	1430	G	Solid	N	X		3	
SB02-5-6-11112013	11/11/13	1435	G	Solid	N	X		3	
SB02-12-13-11112013	11/11/13	1440	G	Solid	N	X		3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Luke Hill Luke Hill	11/11/2013 1700	CH2MHILL			
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/15/13 0921	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: L. Hill	Lab PM: Rodrigue, Neil A	Carrier Tracking No(s):	COC No: 600-21725-8135.1
Client Contact: Mr. John Ynfante	Phone: (205) 340-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 2 of 7
Company: CH2M Hill Constructors, Inc.				Job #:
Address: 14701 St. Mary's Lane Suite 300	Due Date Requested:			
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wastewater, Sediment, Sludge, Oil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
17 SB02-18-19-11112013	11/11/13	1515	G	Solid	N	X		4	Terracore Kits
SB02-24-25-11112013	11/11/13	1520	G	Solid	N	X		4	
FD02-24-25-11112013	11/11/13	1530	G	Solid	N	X		4	
13 TB01-11112013	11/11/13	1150	G	Solid	N	X		2	
SB03-2-3-11112013	11/11/13	1610	G	Solid	N	X		4	
SB03-5-6-11112013	11/11/13	1615	G	Solid	N	X		4	
SB03-15-16-11112013	11/11/13	1630	G	Solid	N	X		4	
SB03-18-19-11112013	11/11/13	1655	G	Solid	N	X		4	
SB03-24-25-11112013	11/11/13	1705	G	Solid	N	X		4	
19 TB02-11112013	11/11/13	1200	G	Solid	N	X		2	
			G	Solid	N	X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
Luke Hill	11/11/13 1700	CH2M HILL			
Relinquished by	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/15/13 0912	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	L. Hill	Rodrigue, Neil A		600-21725-8135.1
Client Contact: Mr. John Ynfante	Phone: (205) 240-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 3 of 7
Company: CH2M Hill Constructors, Inc.				Job #
Address: 14701 St. Mary's Lane Suite 300	Due Date Requested:			
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2S03; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil, BT=Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SB04-2-3-11122013	11/12/13	0850	G	Solid		N	X	4	Terracore Kits
SB04-3-6-11122013	11/12/13	0855	G	Solid		N	X	4	
SB04-15-16-11122013	11/12/13	0910	G	Solid		N	X	4	
SB04-20-21-11122013	11/12/13	0915	G	Solid		N	X	4	
FD04-20-21-11122013	11/12/13	1000	G	Solid		N	X	4	
SB04-29-30-11122013	11/12/13	1005	G	Solid		N	X	4	
SB05-2-3-11122013	11/12/13	1055	G	Solid		N	X	4	
SB05-5-6-11122013	11/12/13	1100	G	Solid		N	X	4	
SB05-5-6-11122013 MS	11/12/13	1100	G	Solid		N	X	4	
SB05-5-6-11122013 MSD	11/12/13	1100	G	Solid		N	X	4	
SB05-11-12-11122013	11/12/13	1125	G	Solid		N	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company
L. Hill	11/12/13 1700	CH2M HILL			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/15/13 0921	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr John Ynfante	Phone: (205) 240-3235	Rodrigue, Neil A E-Mail: neil rodrigue@testamericainc.com		600-21725-8135 1 Page: Page 4 of 7

Company	Due Date Requested	TAT Requested (days)	Job #
CH2M Hill Constructors, Inc.		10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report	

Address	City	State, Zip	Phone	Email	Project Name	Site
14701 St. Mary's Lane Suite 300	Houston	TX, 77079-2923	281-721-8546(Tel)	john.ynfante@ch2m.com	Dowell - Artesia Soils	Dowell - Artesia

PO #	WO #	Project #	SSOW#
469935-1301		60004334	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil/waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SB05-18-19-11122013	11/12/13	1135	G	Solid		N	X	4	Terracore Kits
SB05-25-26-11122013	11/12/13	1140	G	Solid		N	X	4	
SB05-EquipBlank-11122013	11/12/13	1215	G	~~Water~~ Solid		N	X	4	
SB06-2-3-11122013	11/12/13	1230	G	Solid		N	X	4	
SB06-5-6-11122013	11/12/13	1235	G	Solid		N	X	4	
SB06-11-12-11122013	11/12/13	1305	G	Solid		N	X	4	
SB06-16-17-11122013	11/12/13	1320	G	Solid		N	X	4	
SB06-21-22-11122013	11/12/13	1330	G	Solid		N	X	4	
FD06-21-22-11122013	11/12/13	1335	G	Solid		N	X	4	
TB03-11122013	11/12/13	0700	G	Solid		N	X	2	
SB07-2-3-11122013	11/12/13	1545	G	Solid		N	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Luke Hill Luke Hill	11/12/13 1700	CH2MHILL			
Relinquished by:	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time: 11/15/13 0924	Company

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks
Δ Yes ^ No		

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. John Ynfante	Phone: (205) 240-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 5 of 7
Company: CH2M Hill Constructors, Inc.				Job #:
Address: 14701 St Mary's Lane Suite 300	Due Date Requested:			
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SB07-5-6-11122013	11/12/13	1600	G	Solid		N	X	4	Terracore Kits
SB07-14-15-11122013	11/12/13	1635	G	Solid		N	X	4	
SB07-20-21-11122013	11/12/13	1645	G	Solid		N	X	4	
SB07-29-30-11122013	11/12/13	1700	G	Solid		N	X	4	
TB04-11122013	11/12/13	0700	G	Solid		N	X	2	
			G	Solid		N	X		
			G	Solid		N	X		
			G	Solid		N	X		
			G	Solid		N	X		
			G	Solid		N	X		
			G	Solid		N	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Luke Hill	11/12/13 1700	CH2M HILL			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time 11/15/13 0924	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: L. Hill	Lab PM: Rodrigue, Neil A	Carrier Tracking No(s):	COC No: 600-21725-8135.1
Client Contact: Mr John Ynfante	Phone: (205) 240-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 6 of 7
Company: CH2M Hill Constructors, Inc.		Analysis Requested		Job #:
Address: 14701 St. Mary's Lane Suite 300	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SB08-2-3-11132013	11/13/2013	0800	G	Solid		N	X	4	Terracore Kits
SB08-5-6-11132013	11/13/2013	0805	G	Solid		N	X	4	
FD08-5-6-11132013	11/13/2013	0810	G	Solid		N	X	4	
SB08-16-17-11132013	11/13/2013	0840	G	Solid		N	X	4	
SB08-19-20-11132013	11/13/2013	0845	G	Solid		N	X	4	
SB08-24-25 11132013	11/13/2013	0850	G	Solid		N	X	4	
SB09-2-3-11132013	11/13/2013	0920	G	Solid		N	X	4	
SB09-5-6-11 13 2013	11/13/2013	0925	G	Solid		N	X	4	
SB09-16-17-11 13 2013	11/13/2013	1015	G	Solid		N	X	4	
SB09-18-19-11 13 2013	11/13/2013	1020	G	Solid		N	X	4	
SB09-18-19-11 13 2013 MS	11/13/2013	1020	G	Solid		N	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Luke Hill L. Hill	11/13/2013 1700	CH2M HILL			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time: 11/15/13 0924	Company

Custody Seals Intact: Δ Yes No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

Client Information	Sampler: L. Hill	Lab PM: Rodrigue, Neil A	Carrier Tracking No(s):	COC No: 600-21725-8135.1
Client Contact: Mr. John Ynfante	Phone: (205) 240-3235	E-Mail: neil.rodrigue@testamericainc.com		Page: Page 1 of 1
Company: CH2M Hill Constructors, Inc.				Job #:
Address: 14701 St. Mary's Lane Suite 300	Due Date Requested:			
City: Houston	TAT Requested (days): 10 - Business Days Preliminary Report, 15 - Business Days Level 3 Report			
State, Zip: TX, 77079-2923				
Phone: 281-721-8546(Tel)	PO #: 469935-1301			
Email: john.ynfante@ch2m.com	WO #:			
Project Name: Dowell - Artesia Soils	Project #: 60004334			
Site: Dowell - Artesia	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC's	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
SB09-18-19-11132013 MS/D	11/13/13	1020	G	Solid	N	X		4	Terracore Kits
SB09-20-21-11132013	11/13/13	1025	G	Solid	N	X		4	
SB10-2-3-11132013	11/13/13	1130	G	Solid	N	X		4	
SB10-5-6-11132013	11/13/13	1135	G	Solid	N	X		4	
SB10-15-16-11132013	11/13/13	1215	G	Solid	N	X		4	
SB10-20-21-11132013	11/13/13	1220	G	Solid	N	X		4	
SB10-29-30-11132013	11/13/13	1225	G	Solid	N	X		4	
FD10-29-30-11132013	11/13/13	1230	G	Solid	N	X		4	
SB10-EquBlank-11132013	11/13/13	1250	G	~~Solid~~ W	N	X		4	
TB05-11132013	11/13/13	0800	G	Solid	N	X		2	
TB06-11132013	11/13/13	0900	G	Solid	N	X		2	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by.	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Luke Hill L. Hill	11/13/13 1700	CH2M HILL			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time 11/13/13 0921	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-82738-1

Login Number: 82738
List Number: 1
Creator: Lopez, Sandro R

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	3.1/1.7/2.7/1.5/2.0/1.5
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.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix E
Data Quality Evaluation Technical Memorandum

Data Quality Evaluation Report for Soil Samples Collected November 2013

Former Dowell Schlumberger Facility

Artesia, New Mexico

A CH2M HILL project chemist reviewed one data package from TestAmerica-Houston of Houston, Texas for the analyses of soil samples. Soil samples were collected November 11-13, 2013. Data were reviewed for conformance to the requirements of the U.S. Environmental Protection Agency's (USEPA) *National Functional Guidelines for Superfund Organic Methods Data Review* (2008) and adherence to project objectives.

Intended Data Use

The data will be used to provide volatile organic compound (VOC) concentrations in the soil at the Former Dowell Artesia facility in Artesia, New Mexico for comparison to regulatory standards.
Soil samples were analyzed for:

- **VOCs** by USEPA Methods SW-846 5035/8260B
  (*EPA Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846) 3rd ed. with updates* [1996])

Data were reviewed and validated as described in USEPA's *National Functional Guidelines* (USEPA, 2008). The results of the data review and validation are discussed in this Data Quality Evaluation Report. The following items were reviewed:

- Chain of custody and completeness of reports
- Sample receipt conditions
- Case narrative information
- Preservation and holding times
- Initial and continuing calibration accuracy and precision
- Instrument tunes (for VOCs)
- Blank contamination and potentially associated positive bias
- Internal standard recovery accuracy (for VOCs)
- Surrogate recovery accuracy (for organic data)
- Serial dilution precision
- Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) accuracy and precision
- Matrix spike/matrix spike duplicate (MS/MSD) accuracy and precision
- Lab duplicate precision
- Field duplicate precision

Sample Summary

A total of 40 soil samples were analyzed for VOCs. Field quality control (QC) samples included 5 field duplicates, 3 equipment rinsate blank, and 6 trip blanks.

Project Data Quality Objectives

The following project data quality objectives (DQOs) were established for the analysis of VOCs:

- Recovery 60-140 percent or lab control limits, if more conservative
- Relative percent difference (RPD) 40 percent or lab control limits, if more conservative

- Sample/Field Duplicate RPD 30 percent or +/- 2 times the method quantitation limit (MQL) if concentrations is less than 5 times the MQL
- Completeness 95 percent

Data Review and Validation Results

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). All samples were received in the appropriate containers and in good condition with proper completion of the COC documentation. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Tables 2-40(A) and 2-40(B).

The medium-level VOCs analysis of soil samples SB03-18-19-11112013, SB07-20-21-11122013, SB08-16-17-11132013 and SB09-16-17-11132013 were analyzed 1 to 2 days outside of holding time in order to capture the concentrations of some analytes within the calibration range of the instrument. The non-detect results for the associated VOCs in these samples were qualified as not detected at an estimated detection limit (UJ) and associated detections were qualified as estimated (J).

All other samples and analyses were prepared and analyzed within holding times specified in SW-846 Tables 2-40(A) and 2-40(B).

Calibrations and Tunes

Instrument performance calibrations (gas chromatograph/mass spectrometry [GC/MS] tunes) for VOCs analyses were within method acceptance criteria.

Initial calibration and continuing calibration data met SW-846 method requirements for all analyses with the following exceptions:

Reported concentrations for 1,2.4-trimethylbenzene in 5 soil samples and o-xylene in one soil sample exceeded the linear range of the calibration. These 6 results were qualified as estimated (J).

1,2,3-Trichloropropane, 2-chloroethyl vinyl ether, and tetrachloroethene were recovered below the acceptance criteria in the continuing calibration verifications (CCVs) associated with 6 soil samples, 7 soil samples, and 15 soil samples, respectively. The non-detect results for these VOCs in the associated samples were qualified as not detected at an estimated detection limit (UJ) and the associated detections were qualified as estimated (J).

Blanks

Bromomethane, methylene chloride and naphthalene were detected in multiple lab method blanks which resulted in 7 detections of bromomethane in soil, 15 results for methylene chloride in soil, and 16 results for naphthalene in soil being qualified as not detected (U). Naphthalene was also detected in the trip blank associated with soil samples.

No other target analytes were detected in any blanks at concentration that resulted in data qualification.

Internal Standard Recoveries and Surrogate Recoveries

All internal standard recoveries and surrogate recoveries for VOCs analyses were within project quality assurance objectives.

Laboratory Control Samples

Laboratory control samples (LCSs) for each method were spiked with all target analytes of interest for that method. All LCS recoveries and LCS/LCS Duplicates RPDs were within project quality assurance objectives with the following exception:

2-Chloroethyl vinyl ether, tetrachloroethene and trichloroethene were recovered below acceptance criteria in LCSs associated with soil samples; consequently 18 non-detect results for these VOCs in soil samples were qualified as not detected at an estimated detection limit (UJ) and one detection of 2-chloroethyl vinyl ether in soil sample SB03-18-19-11112013 was qualified as estimated (J).

Matrix Spike/Matrix Spike Duplicates and Lab Duplicates

Matrix spike/matrix spike duplicates (MS/MSDs) for each method were spiked with all target analytes of interest for that method.

Multiple VOC compounds were recovered below acceptance criteria in multiple MS/MSD samples associated with the soil samples which resulted in 16 VOC non-detects being qualified as not detected at an estimated detection limit (UJ) and 1 VOC detection being qualified as estimated (J) with a potential low bias.

Field Precision

All field duplicate precision values were within project objectives.

Summary

Overall the quality of the analytical data was found to be within the QC limits established by the project DQOs, the analytical methods, and review criteria presented in USEPA's *National Functional Guidelines*.

All sample preservation, instrument tunes, internal standard recoveries and surrogate recoveries were within project acceptance criteria or exhibited minor issues that did not necessitate any data qualification. The primary QC issues encountered were holding time exceedance, low CCV recoveries and low recoveries for LCS and MS/MSD samples. Data were qualified for use based on these issues as described above, but no critical QC issues were encountered and no data were rejected; therefore, the data set has a completeness value of 100%.

Data that were qualified during the validation are listed in **Table 1**. All analytical results, including those qualified during the data quality review, may be used to support project decisions.

Table 1. Summary of Data Qualification for Soil Samples, November 2013
Former Dowell Schlumberger Facility
Artesia, New Mexico

Sample Date	Sample Identification	Analyte	Qualification	Reason for Qualification
11/11/2013	SB01-15-16-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB01-2-3-11112013	Methylene Chloride	UJ	Analyte detected in method blank and recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1,1,2-Tetrachloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1,1-Trichloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1,2,2-Tetrachloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1,2-Trichloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1-Dichloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1-Dichloroethene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,1-Dichloropropene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2,3-Trichlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2,3-Trichloropropane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2,4-Trichlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2,4-Trimethylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2-Dibromo-3-Chloropropane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2-Dichlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2-Dichloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,2-Dichloropropane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,3,5-Trimethylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,3-Dichlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,3-Dichloropropane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	1,4-Dichlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	2,2-Dichloropropane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	2-Butanone	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	2-Chlorotoluene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	4-Chlorotoluene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	4-Isopropyltoluene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Benzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Bromobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Bromodichloromethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Bromoform	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Bromomethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Carbon Tetrachloride	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Chlorobenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Chlorobromomethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Chloroethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Chloroform	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Chloromethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	cis-1,2-Dichloroethene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	cis-1,3-Dichloropropene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Dibromochloromethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Dibromomethane	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Ethylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Ethylene Dibromide	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Hexachlorobutadiene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Isopropylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	m,p-Xylene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Methyl tert-butyl ether	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Naphthalene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	n-Butylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	n-Propylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	o-Xylene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	sec-Butylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Styrene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	tert-Butylbenzene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Tetrachloroethene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Toluene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	trans-1,2-Dichloroethene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	trans-1,3-Dichloropropene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Trichloroethene	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Vinyl Chloride	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB01-2-3-11112013	Xylenes, Total	UJ	Analyte recovered low in MS/MSD.
11/11/2013	SB02-18-19-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB02-2-3-11112013	Methylene Chloride	U	Analyte detected in method blank.

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Sample Date	Sample Identification	Analyte	Qualification	Reason for Qualification
11/11/2013	SB02-24-25-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB02-5-6-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB03-15-16-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB03-18-19-11112013	1,1,1,2-Tetrachloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1,1-Trichloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1,2,2-Tetrachloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1,2-Trichloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1-Dichloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1-Dichloroethene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,1-Dichloropropene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2,3-Trichlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2,3-Trichloropropane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2,4-Trichlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2,4-Trimethylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2-Dibromo-3-Chloropropane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2-Dichlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2-Dichloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,2-Dichloropropane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,3,5-Trimethylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,3-Dichlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,3-Dichloropropane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	1,4-Dichlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	2,2-Dichloropropane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	2-Butanone	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	2-Chloroethyl Vinyl Ether	UJ	Analyzed outside of holding time. Analyte recovered low in CCV and LCS.
11/11/2013	SB03-18-19-11112013	2-Chlorotoluene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	4-Chlorotoluene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	4-Isopropyltoluene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Benzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Bromobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Bromodichloromethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Bromoform	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Bromomethane	UJ	Analyzed outside of holding time. Analyte detected in method blank.
11/11/2013	SB03-18-19-11112013	Carbon Tetrachloride	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Chlorobenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Chlorobromomethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Chloroethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Chloroform	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Chloromethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	cis-1,2-Dichloroethene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	cis-1,3-Dichloropropene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Dibromochloromethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Dibromomethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Dichlorodifluoromethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Ethylbenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Ethylene Dibromide	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Hexachlorobutadiene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Isopropylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	m,p-Xylene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Methyl tert-butyl ether	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Methylene Chloride	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Naphthalene	UJ	Analyzed outside of holding time. Analyte detected in method blank.
11/11/2013	SB03-18-19-11112013	n-Butylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	n-Propylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	o-Xylene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	sec-Butylbenzene	J	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Styrene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	tert-Butylbenzene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Tetrachloroethene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Toluene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	trans-1,2-Dichloroethene	UJ	Analyzed outside of holding time.

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Sample Date	Sample Identification	Analyte	Qualification	Reason for Qualification
11/11/2013	SB03-18-19-11112013	trans-1,3-Dichloropropene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Trichloroethene	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Trichlorofluoromethane	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Vinyl Chloride	UJ	Analyzed outside of holding time.
11/11/2013	SB03-18-19-11112013	Xylenes, Total	UJ	Analyzed outside of holding time.
11/11/2013	SB03-2-3-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/11/2013	SB03-24-25-11112013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	FD04-20-21-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	FD06-21-22-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB04-15-16-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	SB04-20-21-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	SB04-29-30-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	SB04-5-6-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	SB05-18-19-11122013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/12/2013	SB05-18-19-11122013	Tetrachloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB05-18-19-11122013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB05-2-3-11122013	Methylene Chloride	U	Analyte detected in method blank.
11/12/2013	SB05-25-26-11122013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/12/2013	SB05-25-26-11122013	Naphthalene	U	Analyte detected in method blank and trip blank.
11/12/2013	SB05-25-26-11122013	Tetrachloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB05-25-26-11122013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB05-5-6-11122013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/12/2013	SB05-5-6-11122013	Naphthalene	U	Analyte detected in method blank and trip blank.
11/12/2013	SB05-5-6-11122013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB05-5-6-11122013	Tetrachloroethene	UJ	Analyte recovered low in LCS and MS/MSD
11/12/2013	SB05-5-6-11122013	1,1-Dichloroethene	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Bromomethane	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Chloroethane	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Chloromethane	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Dichlorodifluoromethane	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Trichlorofluoromethane	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB05-5-6-11122013	Vinyl Chloride	UJ	Analyte recovered low in MS/MSD.
11/12/2013	SB06-11-12-11122013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/12/2013	SB06-11-12-11122013	Tetrachloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB06-11-12-11122013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB06-16-17-11122013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/12/2013	SB06-16-17-11122013	Tetrachloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB06-16-17-11122013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/12/2013	SB06-21-22-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB07-14-15-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB07-14-15-11122013	Naphthalene	U	Analyte detected in method blank.
11/12/2013	SB07-20-21-11122013	1,2,4-Trimethylbenzene	J	Analyzed outside of holding time. Analyte concentration exceeded calibration range.
11/12/2013	SB07-20-21-11122013	1,3,5-Trimethylbenzene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	Ethylbenzene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	Isopropylbenzene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	m,p-Xylene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	Naphthalene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	n-Butylbenzene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	n-Propylbenzene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	o-Xylene	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	Xylenes, Total	J	Analyzed outside of holding time.
11/12/2013	SB07-20-21-11122013	2-Chloroethyl Vinyl Ether	J	Analyte recovered low in CCV and LCS.
11/12/2013	SB07-20-21-11122013	Bromomethane	U	Analyte detected in method blank.
11/12/2013	SB07-2-3-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB07-29-30-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB07-5-6-11122013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/12/2013	SB07-5-6-11122013	Naphthalene	U	Analyte detected in method blank and trip blank.
11/13/2013	FD08-5-6-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	FD10-29-30-11132013	Tetrachloroethene	J	Analyte recovered low in CCV.

Table 1. Summary of Data Qualification for Soil Samples, November 2013
Former Dowell Schlumberger Facility
Artesia, New Mexico

Sample Date	Sample Identification	Analyte	Qualification	Reason for Qualification
11/13/2013	FD10-29-30-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB08-16-17-11132013	1,2,4-Trimethylbenzene	J	Analyzed outside of holding time.
11/13/2013	SB08-16-17-11132013	1,3,5-Trimethylbenzene	J	Analyzed outside of holding time.
11/13/2013	SB08-16-17-11132013	o-Xylene	J	Analyte concentration exceeded calibration range.
11/13/2013	SB08-16-17-11132013	2-Chloroethyl Vinyl Ether	UJ	Analyte recovered low in CCV and LCS.
11/13/2013	SB08-16-17-11132013	Bromomethane	U	Analyte detected in method blank.
11/13/2013	SB08-16-17-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB08-19-20-11132013	1,2,4-Trimethylbenzene	J	Analyte concentration exceeded calibration range.
11/13/2013	SB08-19-20-11132013	2-Chloroethyl Vinyl Ether	UJ	Analyte recovered low in CCV and LCS.
11/13/2013	SB08-19-20-11132013	Bromomethane	U	Analyte detected in method blank.
11/13/2013	SB08-19-20-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB08-2-3-11132013	1,2,3-Trichloropropane	UJ	Analyte recovered low in CCV.
11/13/2013	SB08-2-3-11132013	Tetrachloroethene	UJ	Analyte recovered low in LCS.
11/13/2013	SB08-2-3-11132013	Trichloroethene	UJ	Analyte recovered low in LCS.
11/13/2013	SB08-24-25-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB08-24-25-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB09-16-17-11132013	1,2,4-Trimethylbenzene	J	Analyzed outside of holding time. Analyte concentration exceeded calibration range.
11/13/2013	SB09-16-17-11132013	m,p-Xylene	J	Analyzed outside of holding time.
11/13/2013	SB09-16-17-11132013	o-Xylene	J	Analyzed outside of holding time.
11/13/2013	SB09-16-17-11132013	Xylenes, Total	J	Analyzed outside of holding time.
11/13/2013	SB09-16-17-11132013	2-Chloroethyl Vinyl Ether	UJ	Analyte recovered low in CCV and LCS.
11/13/2013	SB09-16-17-11132013	Bromomethane	U	Analyte detected in method blank.
11/13/2013	SB09-16-17-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB09-18-19-11132013	1,2,4-Trimethylbenzene	J	Analyte concentration exceeded calibration range.
11/13/2013	SB09-18-19-11132013	2-Chloroethyl Vinyl Ether	UJ	Analyte recovered low in CCV, LCS and MS/MSD.
11/13/2013	SB09-18-19-11132013	Bromomethane	U	Analyte detected in method blank.
11/13/2013	SB09-18-19-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB09-18-19-11132013	m,p-Xylene	J	Analyte recovered low in MS/MSD.
11/13/2013	SB09-18-19-11132013	tert-Butylbenzene	J	Analyte recovered low in MS/MSD.
11/13/2013	SB09-20-21-11132013	1,2,4-Trimethylbenzene	J	Analyte concentration exceeded calibration range.
11/13/2013	SB09-20-21-11132013	2-Chloroethyl Vinyl Ether	UJ	Analyte recovered low in CCV and LCS.
11/13/2013	SB09-20-21-11132013	Bromomethane	U	Analyte detected in method blank.
11/13/2013	SB09-20-21-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB09-2-3-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB09-5-6-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB10-15-16-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB10-15-16-11132013	Naphthalene	U	Analyte detected in method blank and trip blank.
11/13/2013	SB10-20-21-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB10-20-21-11132013	Naphthalene	U	Analyte detected in method blank.
11/13/2013	SB10-2-3-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB10-2-3-11132013	Naphthalene	U	Analyte detected in method blank and trip blank.
11/13/2013	SB10-29-30-11132013	Tetrachloroethene	UJ	Analyte recovered low in CCV.
11/13/2013	SB10-29-30-11132013	Naphthalene	U	Analyte detected in method blank.

Notes:

CCV	continuing calibration verification
J	Analyte was positively identified at the estimated concentration.
LCS	laboratory control sample
MS/MSD	matrix spike/matrix spike duplicate
UJ	Analyte was not detected; the quantitation limit is estimated.