CORNERSTONE EARTH GROUP

Type of Services	**Soil and Ground Water Quality Evaluation**
Location	**One Hanson Court** **Milpitas, California**
Client	**One Hanson LLC**
Client Address	**1484 Prince Edward Way** **Sunnyvale, CA 94085**
Project Number	**726-1-2**
Date	**August 22, 2014**

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Type of Services	**Soil and Ground Water Quality Evaluation**
Location	**One Hanson Court** **Milpitas, California**

SECTION 1: INTRODUCTION

This report presents the results of the soil and ground water quality evaluation performed at One Hanson Court in Milpitas, California (Site) as shown on Figures 1 and 2. This work was performed for One Hanson LLC in accordance with our July 1, 2014 Agreement (Agreement).

1.1 SITE DESCRIPTION

The approximately 4.27-acre property is located at One Hanson Court in Milpitas, California (Site; Figures 1 and 2). The Site is mostly unoccupied except for a beverage carbonation distribution business on the northern portion of the Site. One Hanson LLC recently purchased the property for redevelopment with a self-storage facility.

1.2 PLANNED DEVELOPMENT

The project will consist of six storage buildings (Buildings A through F) and a Manager's Building. Buildings A through F are one story and the Manager's Building is two stories. We understand that Buildings A through F will be of concrete tilt-up and steel frame construction and have a footprint of approximately 95,100 square feet; the Manager's Building will be of wood frame construction with a footprint of approximately 1,100 square feet. We also understand the existing concrete surface will be converted in-place into aggregrate; covered with up to 3 feet of fill; and placed as engineered fill as part of the proposed improvements. Additionally, an approximately 35 foot strip along the north property line reportedly will be granted as an easement to the Santa Clara Valley Water District (SCVWD) for improvements to the northerly adjacent Calera Creek channel.

1.3 BACKGROUND

In May 2014, Cornerstone Earth Group (Cornerstone) prepared a Phase I Environmental Site Assessment (ESA) for the Site (Cornerstone, 2014). Based on the information obtained during this study, the Site was used for agricultural purposes until approximately the 1950s. In 1958, the Site was developed for use as a concrete manufacturing plant. The property reportedly was owned by the Hanson family and operated as Hanson Concrete between 1960 and 2001 when the business was acquired by Central Precast Concrete. In approximately 2010, $NuCO_2$ Supply LLC, a beverage carbonation distributor, occupied the northernmost on-Site building; the remainder of the Site is unoccupied.

Based on the information obtained during the Phase I ESA, waste oil reportedly was used for dust control 25 to 30 years ago before the property was paved with concrete in the early 1980's. Figure 3 presents a 1979 aerial photograph depicting the Site prior to constructing the concrete surface. This practice reportedly involved spraying waste oil on the ground throughout the yard to reduce the amount of dust caused by vehicle traffic. Investigations conducted in 2007 and 2010 identified oil-range total petroleum hydrocarbons (TPHo) up to 17,000 milligrams per kilogram (mg/kg), diesel-range petroleum hydrocarbons (TPHd) up to 4,900 mg/kg and gasoline-range total petroleum hydrocarbons (TPHg) up to 150 mg/kg in Site soil. The greatest concentrations were detected in samples collected from a depth of approximately ½ foot below the concrete and aggregate base section (hereinafter "concrete section"). The detected TPH concentrations exceeded their residential and commercial ESLs[1]. Analyses of six, 4-point composite soil samples from a depth of approximately 3½ feet below the concrete section did not detect TPHo, TPHd or TPHg, suggesting that the detected TPH concentrations are limited to the upper few feet of soil and may be associated with former dust control practices or with the presence of asphaltic fragments producing false positives in the laboratory reporting of TPHd and TPHo.

Analyses of soil samples also detected cadmium, chromium, lead, nickel and zinc at up to 4.5, 80, 110, 98, and 530, mg/kg, respectively. Although some of these detected metal concentrations appear higher than typical background concentrations, they do not exceed their respective residential RSLs (assuming a Hazard Quotient of 1) except for lead in one sample. The detected lead concentration, however, did not exceed the commercial CHHSL (320 mg/kg).

Volatile organic compounds (VOCs) including n-butylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, naphthalene, 1,2,3-trimethylbenzene, xylenes, and 1,2-dichlorobenzene were detected at concentrations up to 0.049 mg/kg, 0.020 mg/kg, 0.18 mg/kg, 0.39 mg/kg, 0.044 mg/kg, 0.053 mg/kg, and 0.013 mg/kg, respectively. These concentrations do not exceed established residential RSLs. However, it should be noted that VOC analysis was performed on the composite soil samples. Due to potential volatile loss during sample collection and laboratory preparation, regulatory agencies typically require VOC testing for discrete soil samples.

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[1] Analytical results were compared to Regional Screening Levels (RSLs) established by the USEPA Region 9 (USEPA, May 2014) unless an alternate screening level is recommended in the DTSC Office of Human and Ecological Risk (HERO) guidance document titled *Human Health Risk Assessment* (HHRA) *Note 3, Use of USEPA Regional Screening Levels* (HERO, 2013). As recommended in Note 3, lead was compared to its California Human Health Screening Level (CHHSL) established by the Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency (OEHHA, 2009). For detected chemicals for which RSLs have not been established and an alternate screening level is not provided in Note 3, the Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (Water Board, 2013) were used for comparison. Metal concentrations were also compared to regional background concentrations presented in studies performed by Bradford et.al. (1996), Scott (1991), and Duverge (2011).

For non-carcinogenic compounds, the Hazard Quotient is the ratio of potential exposure to a substance and the level at which no adverse effects are expected. If the Hazard Quotient is calculated to be less than 1, then no adverse health effects are expected as a result of exposure. As a conservative comparison, the RSL screening levels presented in the data summary tables for non-carcinogenic compounds are based on a Hazard Quotient of 0.1. Thus, for a single compound, raising the Hazard Quotient from 0.1 to 1 raises its respective RSL by an order of magnitude.

CHHSLs, RSLs, and ESLs are used to screen properties for potential human health concerns where releases of chemicals to soil have occurred. Under most circumstances, the presence of a chemical in soil below the corresponding CHHSL, RSL, or ESL can be assumed not to pose a significant risk to human health. A chemical exceeding the CHHSL, RSL, or ESL does not indicate that adverse impacts to human health are occurring or will occur but suggests that further evaluation of potential health concerns is warranted.

Analyses of four soil samples for PCBs (Terracon, 2007) and two soil samples for organochlorine pesticides and chlorinated herbicides (Terracon, 2010) did not detect these analytes.

Analyses of soil samples from five borings advanced by Terracon in 2010 detected total chromium at up to 110 mg/kg, which does not exceed established screening levels for total chromium. Hexavalent chromium was detected in shallow soil at two of the five sampling locations (at 0.31 and 1.9 mg/kg). These hexavalent chromium concentrations exceed the residential RSL (0.29 mg/kg) but not the commercial RSL (5.6 mg/kg).

Provided below is a summary of the environmental concerns identified in Cornerstone's Phase I ESA. Please refer directly to this report for additional details and other conclusions and recommendations.

- TPHo and TPHd was detected in soil sampled beneath the concrete section.
- Fire Department documents from 1986 indicate a boiler was noted to use anti-scalant and discharge to the ground and used oil filters were allowed to leak material to unprotected soil outside the southwest corner of the south shop. Additionally, documents reviewed during the Phase I ESA depict several locations on-Site where hazardous materials were used and stored (e.g., drum and aboveground storage tank [AST] locations), a steam cleaning/vehicle wash down area, and various production areas. There is a potential that hazardous material use and storage activities may have contributed to the identified impacted soil at the Site or resulted in impacts at locations that were not previously sampled.
- Only two soil samples were analyzed during prior studies for agricultural-related chemicals. Although no pesticides were detected, considering the size of the Site, additional soil sampling and analyses was recommended to evaluate potential impacts from past agricultural uses.
- Based on the Site history and the identified presence of impacted near surface soil, and considering that only a few ground water samples have been collected, we recommended additional sampling of ground water be conducted to better establish if prior on-Site activities that involved the use and storage of hazardous materials have impacted ground water quality.

1.4 PURPOSE AND SCOPE OF WORK

1.4.1 Purpose

The purpose of this work was to perform additional sampling at the Site to better evaluate soil and ground water quality in selected areas of potential environmental concern. As requested by the Santa Clara County Department of Environmental Health (County Health) during our May 27, 2014 meeting, our scope also included evaluating soil quality near the planned Manager's Building, and evaluating potential soil leaching concerns that could impact ground water quality.

1.4.2 Scope of Work

As presented in our Agreement, the scope of work performed for this investigation included the following:

- Drilling and logging of 13 exploratory borings;
- Collection of soil samples from 13 of 13 exploratory borings and ground water grab samples from 8 of 13 exploratory borings for laboratory analyses; and
- Preparation of this report.

The limitations for this investigation are presented in Section 4.

SECTION 2.0: SOIL AND GROUND WATER QUALITY EVALUATION

2.1 SUBSURFACE INVESTIGATION

Subsurface investigation activities were performed on July 14, 15, and 30, 2014 using a truck mounted drill rig equipped with an 8-inch hollow stem auger. Thirteen exploratory borings (CEG-1 through CEG-13) were drilled to approximate depths ranging from 5 to 15 feet. The approximate boring locations are shown on Figure 2 and further discussed below:

- Borings CEG-1 to CEG-3 were drilled in the area of prior sampling locations where the greatest TPH concentrations were detected in soil samples. The borings were extended to an approximate depth of 15 feet. Soil and ground water sampling was performed to assist in evaluating the extent of soil impacts and general ground water quality.
- Borings CEG-4 to CEG-7 were drilled to an approximate depth of 15 feet to evaluate soil and ground water quality in selected areas of potential concern where prior sampling had not been performed. These areas included: the former boiler room and 250-gallon hydraulic fluid tank (CEG-4); the former vehicle wash down area (CEG-5); the reported approximate down-gradient ground water flow direction from the warehouse building where hazardous materials were used/stored (CEG-6); and the former location of a 500-gallon waste oil AST and oil filter storage (CEG-7).
- As requested by County Health, borings CEG-8 to CEG-10 were drilled in the area of the planned Manager's Building to evaluate general soil quality. These borings were extended to an approximate depth of 5 feet.
- Boring CEG-11 was drilled to an approximate depth of 15 feet near the northwest corner of the Site to assist in evaluating the lateral extent of potential ground water impacts, if any, in the reported approximate down-gradient ground water flow direction from borings CEG-1 and CEG-2.
- Borings CEG-12 and CEG-13 were advanced to an approximate depth of 10 feet at selected locations within approximately 35 feet of the northerly property line. Soil samples were collected from these borings to evaluate general soil quality within the portion of the Site that reportedly will be deeded to the SCVWD.

Soil sampling protocol and boring logs are presented in Appendix A.

2.2 SUBSURFACE MATERIALS OBSERVED

Based on our observations, the concrete section in most of the borings appeared to range in thickness from approximately 1½ to 2 feet. Below this section was a clayey sand with gravel fill material that was up to approximately 1 foot thick except in boring CEG-8 where an approximate 2 foot layer was observed. Native soils consisting of moderate and high plasticity clay was observed beneath the fill and extended to a maximum depth explored of approximately 15 feet in 2 of 8 borings. In the other six borings that extended to approximately 15 feet, up to approximately 2 feet of poorly graded silty/clayey sand was observed in the bottom of the borings; ground water was observed in this sand layer.

During our investigation, soil samples every approximately 2½ feet were screened in the field for volatile hydrocarbons using an Organic Vapor Meter (OVM). With exception of one soil sample collected from boring CEG-10 from the upper approximate ½ foot of soil beneath the concrete section, no OVM detections were recorded. Additionally, no soil discoloration or evidence of staining was readily observed in the soil samples.

The one soil sample from CEG-10 contained an organic vapor concentration of 2.7 parts per million by volume (ppm_v). OVM readings are presented on the boring logs included in Appendix A.

2.3 SOIL SAMPLE COLLECTION AND LABORATORY ANALYSES

Soil samples for laboratory analyses were submitted to a state-certified analytical laboratory and were analyzed for various organic and inorganic compounds. Soil sampling protocol, chain of custody documentation and laboratory analytical reports are presented in Appendix B. Data summary tables are provided in Tables 1 to 4 in the Tables section of this report. Additionally, the TPH analytical data is presented on Figure 4. A summary of the sampling and analyses plan is provided below.

- Thirteen soil samples were collected from each boring from the upper approximate 1 foot of fill or native soil beneath the concrete section and were analyzed for TPHd and TPHo with a silica gel cleanup (EPA Test Method 8105M) California Assessment Manual (CAM) metals (EPA Test Method 6000/7000), and hexavalent chromium. The four soil samples collected from the borings advanced in areas where previous sampling was not performed (i.e. near the boiler room, wash down area, warehouse building, and waste oil AST) were additionally analyzed for TPHg and VOCs (EPA Test Method 8260B).

- To help evaluate the vertical extent of impact, deeper soil samples were collected from the three borings (CEG-1 to CEG-3) drilled at locations where the greatest TPH concentrations were previously reported. Soil samples were collected from an approximate depth of 2 feet below its shallower sample. The three samples were analyzed for TPHd, TPHo, CAM 17 metals, and hexavalent chromium. Additionally, the soil sample collected from an approximate depth of 14 to 14½ feet (relative to the top of the concrete) from boring CEG-1 was analyzed for TPHd and TPHo.

- To evaluate potential soil leaching concerns, the three soil samples collected from the upper approximate ½ foot of fill beneath the concrete section at locations CEG-1 to

CEG-3 were analyzed for soluble CAM 17 metals and soluble hexavalent chromium following the Waste Extraction Test (WET) using deionized (DI) water.

- To evaluate potential agricultural-related impacts to soil quality, soil samples from borings CEG-2, CEG-3, and CEG-6 were collected from the upper approximate ½ foot of native soil and were analyzed for organochlorine pesticides (EPA Test Method 8081), and pesticide-related metals arsenic, lead, and mercury.

- As shown in Table 2, TPHd and TPHo were detected in the soil sample from CEG-10 at concentrations that exceed its residential screening level. This soil sample was collected from the upper approximate ½ foot of fill beneath the concrete section. The reported data is consistent with the OVM screening performed during drilling as discussed in Section 2.2. To evaluate the vertical extent of impact, a soil sample was collected from an approximate depth of 3 feet below the shallower impacted sample and was analyzed for TPHd and TPHo.

- To further evaluate soil quality within the planned 35 foot easement along the northern property line, subsurface soil samples collected from approximate depths of 10½ to 11 feet (CEG-11) and 5 to 5½ feet (CEG-12 and CEG-13) relative to the top of concrete were analyzed for TPHd and TPHo.

- As shown in Table 5, TPHo was detected in the grab ground water sample collected from boring CEG-5 at a concentration of 130 micrograms per liter (µg/L). To further evaluate soil quality in the CEG-5 boring, a soil sample from an approximate depth of 5½ to 6 feet was collected and analyzed for TPHd and TPHo.

2.4 GROUND WATER SAMPLE COLLECTION AND LABORATORY ANALYSES

To evaluate ground water quality, ground water grab samples were collected from exploratory borings CEG-1 through CEG-7 and GEG-11. The eight ground water grab samples were analyzed for TPHg and VOCs (EPA Test Method 8260B), TPHd and TPHo (EPA Test Method 8015M), and hexavalent chromium (EPA Test Method 7196A). Ground water sampling protocol, chain of custody documentation and laboratory analytical reports are presented in Appendix B. Table 5 in the Tables section of this report presents the ground water analytical results.

SECTION 3: CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL QUALITY

Based on prior investigations, the most significant environmental concern identified at the Site appeared to be the occurrence of elevated concentrations of TPHd (up to17,000 mg/kg) and TPHo (up to 4,900 mg/kg) in shallow soil. Laboratory analyses of the 22 soil samples collected from 13 borings during Cornerstone's investigation did not detect TPHd and TPHo above their respective residential ESL of 100 mg/kg with exception of one soil sample. This soil sample was collected from boring CEG-10 from the upper approximate ½ foot of fill below the concrete section; TPHd and TPHo were detected at 4,300 mg/kg and 10,000 mg/kg, respectively. The elevated TPH concentrations in this sample correlate with the OVM field screening measurements recorded during drilling and sampling. With exception of the CEG-10 soil sample, no volatile hydrocarbons were recorded using the OVM and no discolored soil was

observed. A soil sample collected approximately 2 feet below the shallower CEG-10 sample did not contain TPHd and TPHo at concentrations above their respective laboratory limits.

Laboratory analyses of the 19 soil samples detected metal concentrations that are typical of natural background and/or less than their respective residential RSLs (Hazard Quotient = 0.1) with exception of cadmium reported in one sample. Hexavalent chromium was not detected above its laboratory reporting limit in the 19 soil samples. Additionally, with exception of low concentrations of barium (up to 0.18 mg/L), molybdenum (at 0.18 mg/L; detected in one sample), and hexavalent chromium (at 0.0044 mg/L; detected in one sample), no soluble metals were detected in the selected samples using the DI-WET test.

Cadmium was detected in one soil sample at a concentration of 7.9 mg/kg that is above its more conservative residential RSL of 7 mg/kg (Hazard Quotient = 0.1) but less than its RSL of 70 mg/kg assuming a Hazard Quotient equal to 1.0. The more conservative RSLs (Hazard Quotient = 0.1) are commonly used to evaluate cumulative health risk associated with presence of multiple contaminants. At this Site, comparison of the cadmium detection to its RSL using a Hazard Quotient of 1 appears acceptable since multiple contaminants were not detected above levels of concern.

As part of this study, selected soil samples were also analyzed for organochlorine pesticides, pesticide-related metals (arsenic, lead, and mercury), VOCs, and/or TPHg. With exception of low concentrations of 4,4'-DDE (up to 0.0066 mg/kg; residential RSL is 1.6 mg/kg) and acetone (detected at 0.096 mg/kg in one sample; residential RSL is 6,100 mg/kg), no organochlorine pesticides, VOCs, or TPHg were detected in the samples above their respective laboratory reporting limits. The detected pesticide-related metal concentrations are within range of typical background and/or less than their respective residential RSL.

3.2 GROUND WATER QUALITY

During this investigation, grab ground water samples were collected from eight exploratory borings drilled across the Site. Laboratory analyses of the grab ground water samples did not detect TPHd, TPHo, TPHg, hexavalent chromium, VOCs above their respective laboratory limits with exception of TPHo (130 µg/L) and MTBE (6.6. µg/L), each detected in one ground water sample. For comparison, the residential ESL for TPHo is 100 µg/L; the drinking water MCL for MTBE is 13 µg/L.

3.3 GENERAL CONCLUSIONS

The data obtained during this investigation indicates that the previously reported TPH concentrations appear sporadic and limited to the upper few feet of soil beneath the concrete section. Prior Site operations do not appear tohave not significantly impacted ground water quality beneath the Site.

As discussed, the proposed development will include construction of self-storage buildings and an approximately 1,100 square foot Manager's Building. The existing concrete surface will be converted in-place into aggregate then covered with "clean" engineered fill to raise the Site approximately 2 to 3 feet. Based on the available data, the Site's environmental setting appears suitable to accommodate the planned development. The reported TPH and metal concentrations do not appear to pose significant risks to human health and the environment under the proposed development scenario. We recommend discussing the results of this

investigation with County Health and possible other actions that may be required prior to Site redevelopment.

We also recommend preparing a Site Management Plan (SMP) and a Health and Safety Plan (HSP) for the proposed development. The purpose of these documents would be to establish appropriate management practices for handling impacted soil that may be encountered during construction activities. Based on the long developed history of the Site, buried structures, wells, debris, and/or impacted soil or ground water may be encountered during Site development activities; these materials may require special handling and disposal.

SECTION 4: LIMITATIONS

Cornerstone performed this investigation to support One Hanson LLC in evaluation of soil and ground water quality beneath the Site. One Hanson LLC understands that the extent of soil and ground water data obtained is based on the reasonable limits of time and budgetary constraints. In addition, the chemical information presented in this report can change over time and is only valid at the time of this investigation and for the locations sampled.

This report, an instrument of professional service, was prepared for the sole use of One Hanson LLC and may not be reproduced or distributed without written authorization from Cornerstone. Cornerstone makes no warranty, expressed or implied, except that our services have been performed in accordance with the environmental principles generally accepted at this time and location.

SECTION 5: REFERENCES

Cornerstone, 2014. *Phase I Environmental Site Assessment, 1 Hanson Court, Milpitas, California,* dated May 7, 2014.

Bradford, et.al. March 1996. *Background Concentrations of Trace and Major Elements in California Soils*. Kearney Foundation Special Report.

Duverge, Dylan Jacques. December 2011. *Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region.*

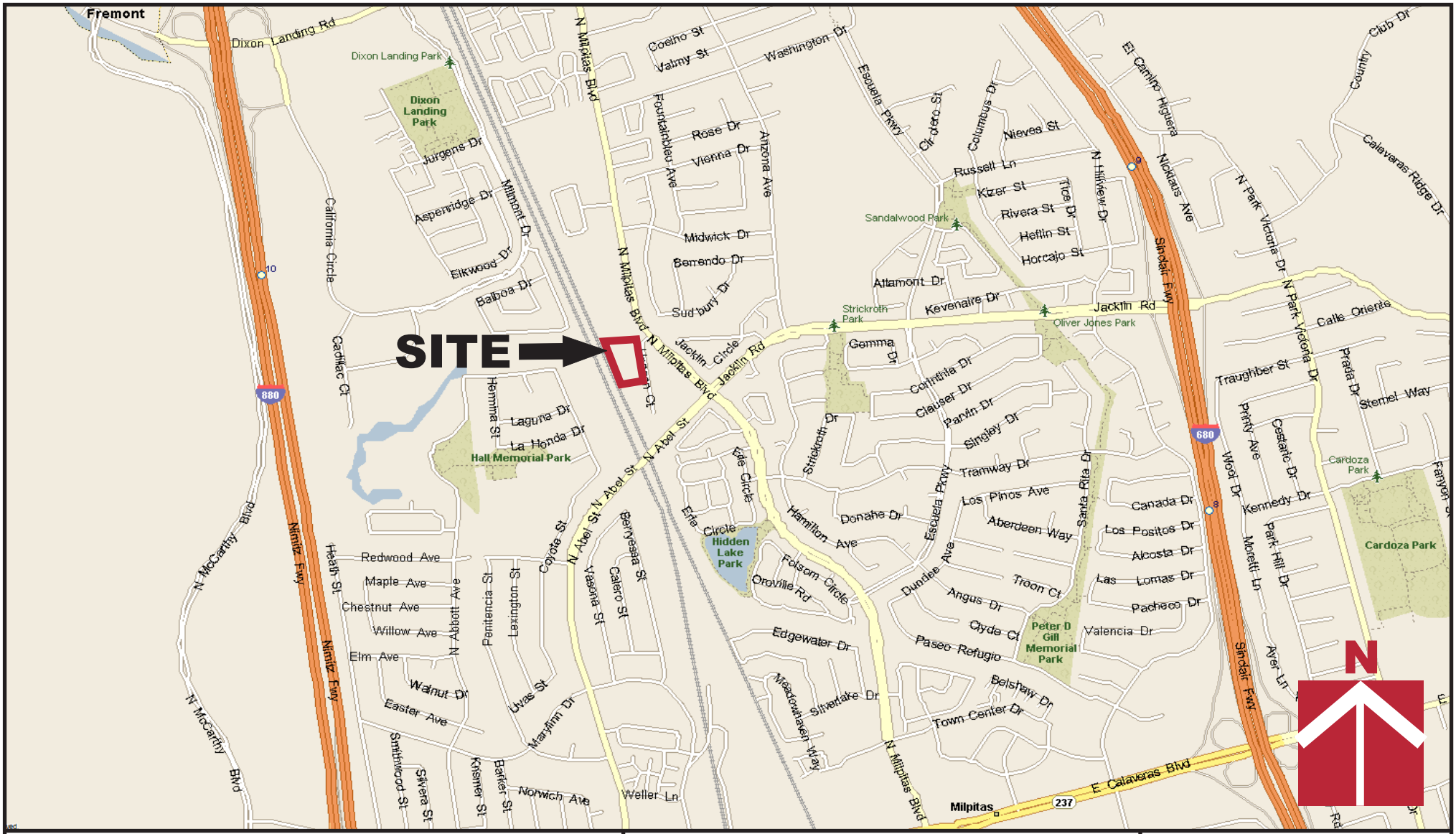
HERO, 2013. *HHRA Note Number 3, Use* of *USEPA Regional Screening Levels,* May, 21, 2013.

OEHHA, 2009. *Revised California Human Health Screening Levels for Lead, Office of Environmental Health Hazard Assessment, CalEPA,* September 2009.

RWQCB, 2013. *Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater, San Francisco Bay Regional Water Quality Control Board, California EPA, updated December 2013.*

Scott, Christina M. 1991. *Background Metal Concentrations in Soils in Northern Santa Clara County, California.*

USEPA, 2014. *Regional Screening Levels for Chemical Contaminants at Superfund Sites, USEPA Region 9, updated May 2014.*



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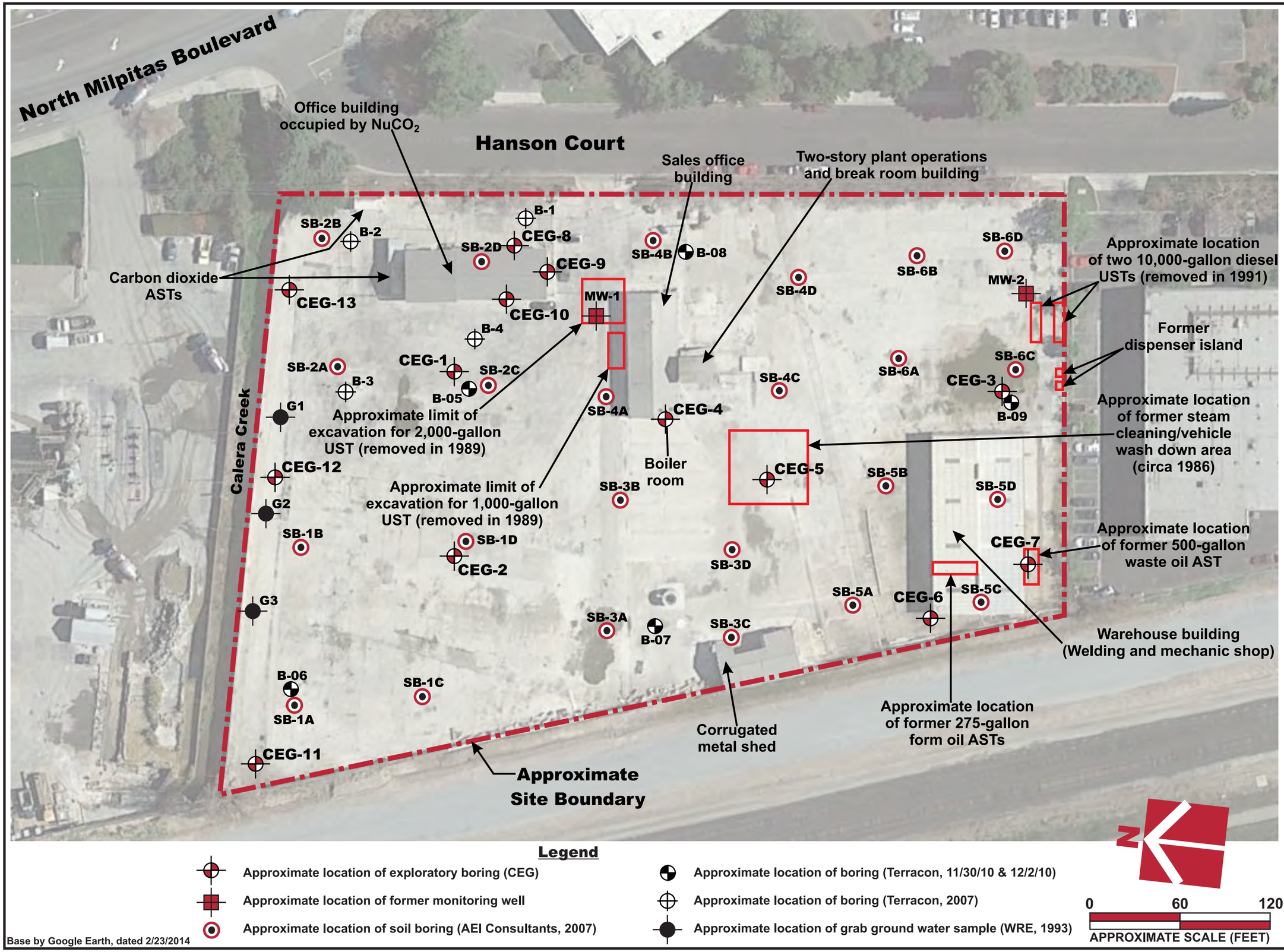
Vicinity Map

1 Hanson Court
Milpitas, CA

Project Number	726-1-1
Figure Number	Figure 1
Date	May 2014
Drawn By	RRN



Project Number 726-1-2

Figure Number Figure 2

Drawn By RRN

Date August 2014

Site Plan

1 Hanson Court
Milpitas, CA

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0 60 120
APPROXIMATE SCALE (FEET)

Base by Pacific Aerial Surveys, AV1750-06-76, dated 9/6/1979

1979 Aerial Photograph

1 Hanson Court
Milpitas, CA

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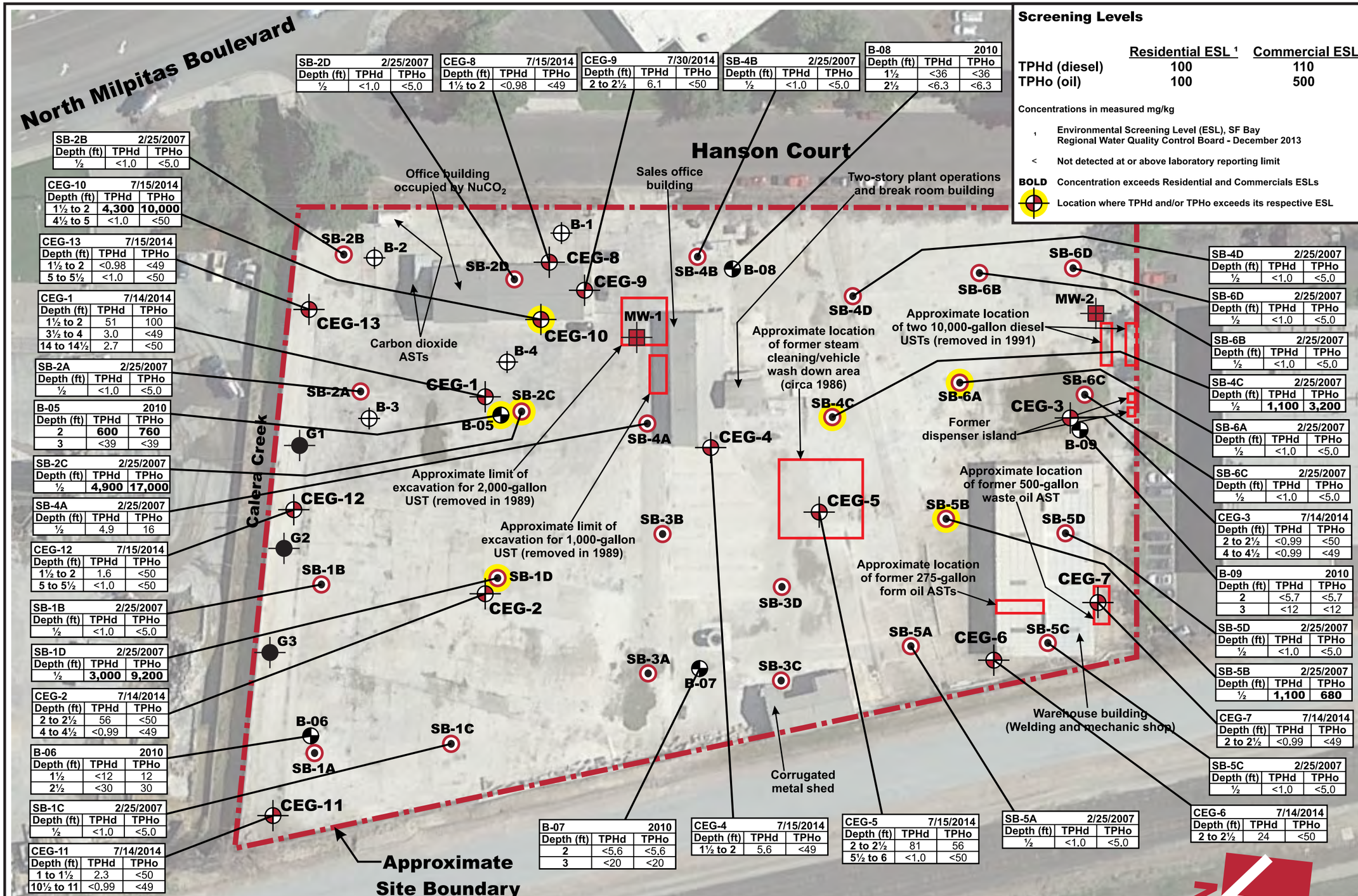
Project Number	726-1-2
Figure Number	Figure 3
Date	August 2014
Drawn By	RRN



Screening Levels

	Residential ESL [1]	Commercial ESL [1]
TPHd (diesel)	100	110
TPHo (oil)	100	500

Concentrations in measured mg/kg

[1] Environmental Screening Level (ESL), SF Bay Regional Water Quality Control Board - December 2013

< Not detected at or above laboratory reporting limit

BOLD Concentration exceeds Residential and Commercials ESLs

Location where TPHd and/or TPHo exceeds its respective ESL

Legend

- Approximate location of exploratory boring (CEG)
- Approximate location of former monitoring well
- Approximate location of soil boring (AEI Consultants, 2007)
- Approximate location of boring (Terracon, 11/30/10 & 12/2/10)
- Approximate location of boring (Terracon, 2007)
- Approximate location of grab ground water sample (WRE, 1993)

Note: Depths shown are relative to top of concrete surface.

Base by Google Earth, dated 2/23/2014

0 60 120
APPROXIMATE SCALE (FEET)

Project Number 726-1-2
Figure Number Figure 4
Drawn By RRN
Date August 2014

TPH Concentrations in Soil

1 Hanson Court
Milpitas, CA

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DATA SUMMARY TABLES

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Table 1. Analytical Results of Soil Samples - Metals
(Concentrations in mg/kg)

Sample Location	Sample ID	Date	Depth (feet) *	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Vanadium	Zinc
CEG-1	CEG-1(0-1/2)	7/14/2014	1½-2	6.6	93 (0.18)	0.38	5.9	17	<0.79 (0.0044)	5.2	13	9.2	0.036	6.4 (0.18)	37	1.1	24	81
	CEG-1(2-2 1/2)	7/14/2014	3½-4	3.2	160	0.45	0.18	38	<0.81	8.7	19	4.4	0.068	<0.43	52	<0.86	28	38
CEG-2	CEG-2(0-1/2)	7/14/2014	2-2½	6.7	120 (0.14)	0.28	2.2	10	<0.81 (<0.002)	5	12	3.6	0.031	2.6 (<0.10)	24	<0.79	12	46
	CEG-2(1/2-1)	7/14/2014	2½-3	7.9	---	---	---	---	---	---	---	8	0.048	---	---	---	---	---
	CEG-2(2-2 1/2)	7/14/2014	4-4½	9.8	250	0.55	<0.48	74	<0.8	15	34	5.1	0.081	<1.9	120	<3.8	43	66
CEG-3	CEG-3(0-1/2)	7/14/2014	2-2½	6.9	240 (0.1)	0.28	1.5	7.2	<0.79 (<0.002)	4.3	13	3.7	0.027	1.3 (<0.10)	16	<0.83	11	40
	CEG-3(1/2-1)	7/14/2014	2½-3	9.8	---	---	---	---	---	---	---	9	0.073	---	---	---	---	---
	CEG-3(2-2 1/2)	7/14/2014	4-4½	3.4	180	0.44	<0.37	53	<0.81	11	22	5.2	0.048	<1.5	70	<2.9	35	48
CEG-4	CEG-4(0-1/2)	7/15/2014	1½-2	7.2	130	0.35	2.9	9.4	<0.81	4.4	13	3.5	0.021	3	22	<0.97	12	51
CEG-5	CEG-5(0-1/2)	7/15/2014	2-2½	6.6	120	0.29	2.4	9.6	<0.81	4.5	11	3.1	0.047	2.6	23	<0.86	13	53
CEG-6	CEG-6(0-1/2)	7/14/2014	2-2½	6.7	120	0.3	1.6	13	<0.8	4.6	14	4.3	0.044	1.6	22	<0.74	13	46
	CEG-6(1/2-1)	7/14/2014	2½-3	5.7	---	---	---	---	---	---	---	8.6	0.085	---	---	---	---	---
CEG-7	CEG-7(0-1/2)	7/14/2014	2-2½	4.1	260	0.58	<0.35	64	<0.81	12	27	11	0.095	<1.4	86	<2.8	39	62
CEG-8	CEG-8(0-1/2)	7/15/2014	1½-2	7.5	110	0.29	3.6	10	<0.8	4.9	11	3	0.031	3.1	28	<0.93	16	61
CEG-9	CEG-9(0-1/2)	7/30/2014	1½-2	5.2	160	0.46	7.9	15	<0.8	3.5	21	6.3	0.069	5.9	49	<2.7	32	100
CEG-10	CEG-10(0-1/2)	7/15/2014	2-2½	5.1	69	0.13	1.3	21	<0.79	6	23	46	0.035	1.6	29	<0.93	33	49
CEG-11	CEG-11(0-1/2)	7/14/2014	1-1½	3.8	120	0.34	0.16	29	<0.8	6.5	13	6.5	0.064	<0.45	40	<0.91	22	33
CEG-12	CEG-12(0-1/2)	7/15/2014	1½-2	3.6	130	0.27	0.25	31	<0.79	7.9	14	7.4	0.067	<0.47	42	<0.93	24	34
CEG-13	CEG-13(0-1/2)	7/15/2014	1½-2	2.9	100	0.29	0.2	28	<0.79	5.6	13	5.1	0.051	<0.49	37	<0.97	21	32
Residential RSL [1]				0.67	1,500	16	7	1,000 [2]	0.3	2.3	310	80 [3]	0.94	39	150	39	39	2,300
Commercial RSL [1]				3	22,000	230	98	2,500 [2]	6.3	35	4,700	320 [3]	4	580	2,200	580	580	35,000
Scott, 1991 [4]	Background Range			0.2 to 5.5	NE	0.3 to 1.4	NE	30.5 to 72	NE	NE	23.8 to 47.5	6.8 to 16.1	NE	NE	46.4 to 101	NE	NE	47.7 to 82.8
	Maximum Background Detection			20	NE	3.2	14	170	NE	NE	67	54	1.3	NE	145	4	NE	120
Bradford, 1996 [5]	Background Range			0.6 to 11	133 to 1,400	0.25 to 2.7	0.05 to 1.7	23 to 1,579	NE	2.7 to 46.9	9.1 to 96.4	12.4 to 97.1	0.05 to 0.90	0.1 to 9.6	9 to 509	0.015 to 0.43	39 to 288	88 to 236
	Upper Quartile			4.7	625	1.53	0.44	115	NE	18.3	36.6	26.7	0.34	1.4	56	0.05	134	170
LBNL, 2009 [6]	99th Percentile			28	410	1	5.6	120	NE	25	63	43	0.42	4.8	272	4.9	90	140
	95% Upper Tolerance Limit (UTL)			19.1	323.6	1	2.7	99.6	NE	22.2	69.4	16.1	0.4	7.4	119.8	5.6	74.3	106.1
Duverge, 2011 [7]	Mean			4.6	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	99th Percentile			11	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
TTLC [8]				500	10,000	75	100	2,500	500	8,000	2,500	1,000	20	3,500	2,000	100	2,400	5,000
STLC [9] (mg/L)				5	100	0.75	1	5	5	80	25	5	0.2	350	20	1	24	250

1 Regional Screening Level (RSL) with Hazard Quotient = 0.1, USEPA Region 9 – May 2014
2 RSL not established, value shown is Environmental Screening Level (ESL), San Francisco Bay Regional Water Quality Control Board - December 2013
3 Value shown is California Human Health Screening Level (CHHSL), CalEPA - September 2010
4 Scott, Christina. December 1991. *Background Metal Concentrations in Soils in Northern Santa Clara County* .
5 Bradford, et. al. March 1996. *Background Concentrations of Trace and Major Elements in California Soils.*
6 LBNL, 2009. *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory.*
7 Duverge, 2011. *Establishing Backround Arsenic in Soil of the Urbanized San Francisco Bay Region.*
8 Total Threshold Limit Concentration - California Code of Regulations, Title 22, Chapter 11, Article 3.
9 Soluble Threshold Limit Concentration - California Code of Regulations, Title 22, Chapter 11, Article 3.
* Depth shown is relative to the top of the concrete surface; the concrete and aggregate base section varied in thickness from approximately 1 ½ to 2 feet.
< Not detected at or above laboratory reporting limit
--- Not Analyzed
NE Not Established
Note: Value shown in parenthesis is the reported soluble metal concentration in mg/l using the DI-WET test.

CORNERSTONE EARTH GROUP

Table 2. Analytical Results of Soil Samples -TPH

(Concentrations in mg/kg)

Sample Location	Sample ID	Date	Depth (feet)*	TPHd	TPHo
CEG-1	CEG-1(0-1/2)	7/14/2014	1½-2	51	100
	CEG-1(2-2 1/2)	7/14/2014	3½-4	3	<49
	CEG-1(12 1/2-13)	7/14/2014	14-14½	2.7	<50
CEG-2	CEG-2(0-1/2)	7/14/2014	2-2½	56	<50
	CEG-2(2-2 1/2)	7/14/2014	4-4½	<0.99	<49
CEG-3	CEG-3(0-1/2)	7/14/2014	2-2½	<0.99	<50
	CEG-3(2-2 1/2)	7/14/2014	4-4½	<0.99	<49
CEG-4	CEG-4(0-1/2)	7/15/2014	1½-2	5.6	<49
CEG-5	CEG-5(0-1/2)	7/15/2014	2-2½	81	56
	CEG-5(3 1/2-4)	7/15/2014	5½-6	<1	<50
CEG-6	CEG-6(0-1/2)	7/14/2014	2-2½	24	<50
CEG-7	CEG-7(0-1/2)	7/14/2014	2-2½	<0.99	<49
CEG-8	CEG-8(0-1/2)	7/15/2014	1½-2	<0.98	<49
CEG-9	CEG-9(0-1/2)	7/30/2014	2-2½	6.1	<50
CEG-10	CEG-10(0-1/2)	7/15/2014	1½-2	**4,300**	**10,000**
	CEG-10(3-3 1/2)	7/15/2014	4½-5	<1	<50
CEG-11	CEG-11(0-1/2)	7/14/2014	1-1½	2.3	<50
	CEG-11(9 1/2-10)	7/14/2014	10½-11	<0.99	<49
CEG-12	CEG-12(0-1/2)	7/15/2014	1½-2	1.6	<50
	CEG-12(3 1/2-4)	7/15/2014	5-5½	<1	<50
CEG-13	CEG-13(0-1/2)	7/15/2014	1½-2	<0.98	<49
	CEG-13(3 1/2-4)	7/15/2014	5-5½	<1	<50
Residential ESL[1]				100	100
Commercial ESL[1]				110	500

1 Environmental Screening Level (ESL), San Francisco Bay Regional Water Quality Control Board - December 2013

< Not detected at or above laboratory reporting limit

* Depth shown is relative to the top of the concrete surface; the concrete and aggregate base section varied in thickness from approximately 1½ to 2 feet.

Bold Concentration exceeds Residential ESL

Table 3. Analytical Results of Soil Samples - OCPs
(Concentrations in mg/kg)

Sample Location	Sample ID	Date	Depth (feet) *	4,4´-DDE	Other Pesticides
CEG-2	CEG-2(1/2-1)	7/14/2014	2½-3	<0.002	ND
CEG-3	CEG-3(1/2-1)	7/14/2014	2½-3	0.0066	ND
CEG-6	CEG-6(1/2-1)	7/14/2014	2½-3	0.0045	ND
Residential RSL[1]				1.6	Varies
Commercial RSL[1]				6.8	Varies

1 Regional Screening Level (RSL), USEPA Region 9 – May 2014
< Not detected at or above laboratory reporting limit
--- Not Analyzed
NE Not Established
ND Not detected at or above laboratory reporting limit
* Depth shown is relative to the top of the concrete surface; the concrete and aggregate base section varied in thickness from approximately 1½ to 2 feet.

CORNERSTONE EARTH GROUP

Table 4. Analytical Results of Soil Samples - TPHg / VOCs

(Concentrations in mg/kg)

Sample Location	Sample ID	Date	Depth (feet)*	TPHg	Acetone	Other VOCs
CEG-4	CEG-4(0-1/2)	7/15/2014	1½-2	<0.21	<0.042	ND
CEG-5	CEG-5(0-1/2)	7/15/2014	2-2½	<0.19	<0.038	ND
CEG-6	CEG-6(0-1/2)	7/14/2014	2-2½	<0.22	<0.044	ND
CEG-7	CEG-7(0-1/2)	7/14/2014	2-2½	<0.21	0.096	ND
	CEG-7(3-3 1/2)	7/14/2014	5-5½	---	<0.048	ND
Residential RSL[1]				100 [2]	6,100	Varies
Commercial RSL[1]				500 [2]	67,000	Varies

1 Regional Screening Level (RSL), USEPA Region 9 – May 2014

2 RSL not established, value shown is Environmental Screening Level (ESL), San Francisco Bay Regional Water Quality Control Board - December 2013

< Not detected at or above laboratory reporting limit

--- Not Analyzed

* Depth shown is relative to the top of the concrete surface; the concrete and aggregate base section varied in thickness from approximately 1½ to 2 feet.

Table 5. Analytical Results of Ground Water Samples - Hexavalent Chromium / TPH / VOCs

(Concentrations in µg/L)

Sample Location	Date	Chromium, Hexavalent	TPHd	TPHo	TPHg	MTBE	Other VOCs
CEG-1	7/15/2014	<10	<50	<100	<50	<0.5	ND
CEG-2	7/14/2014	<10	<50	<100	<50	<0.50	ND
CEG-3	7/14/2014	<10	<51	<100	<50	<0.50	ND
CEG-4	7/15/2014	<10	<50	<100	<50	<0.5	ND
CEG-5	7/15/2014	<10	57	**130**	<50	<0.5	ND
CEG-6	7/14/2014	<10	<50	<100	<50	<0.50	ND
CEG-7	7/15/2014	<10	<50	<100	<50	6.6	ND
CEG-11	7/14/2014	<10	<50	<100	<50	<0.50	ND
MCL[1]		10	100 [2]	100 [2]	100 [2]	13	Varies

1 Maximum Contaminant Level (MCL), California Department of Public Health – July 2014

2 MCL not established; value is Environmental Screening Level (ESL) for ground water that is current or potential source of drinking water, San Francisco Bay Regional Water Quality Control Board - December 2013

< Not detected at or above laboratory reporting limit

BOLD Concentration exceeds respective environmental screening criteria

APPENDIX A –SAMPLING PROTOCOLS AND BORING LOGS

The subsurface exploration program was performed using a truck-mounted drill rig equipped with hollow-stem drilling equipment. Samples will be retrieved using an ASTM D1586 Split Barrel Sampler, commonly referred to as a split-spoon "SPT" sampler (approximate 2-inch outside diameter). Three, approximate 6-inch long stainless steel liners are placed inside the SPT sampler and the sampler is driven approximately 18 inches or to practical refusal using a 140-pound safety hammer falling 30 inches. Blow counts were recorded for each 6-inch increment, with the last 12 inches of blows recorded as the uncorrected blow count (ASTM D1586). Soil samples were obtained at approximate 2½ foot intervals. Our field engineer logged the borings in general accordance with the Unified Soil Classification System (ASTM D-2487). All borings were tremie grouted upon completion.

Soil samples were monitored every approximately 2½ feet with a MiniRAE 3000 Organic Vapor Meter (OVM) to record volatile organic compound (VOC) vapors. The soil will be extruded from the stainless steel liner and placed in a Ziploc® bag. Immediately after filling, the bag was sealed to minimize volatile loss. After approximately 5 minutes, the bag was opened just enough to allow the OVM probe tip to be inserted to record an OVM reading. OVM readings are listed on the boring logs.

SOIL SAMPLE COLLECTION METHOD

Ends of soil samples for laboratory analyses were covered in a Teflon film, fitted with plastic end caps, taped, and labeled with a unique sample identification number. For VOC analyses, Approximately 5 grams of soil was collected from selected stainless steel liners using the Core-N-One™ Sampler in general accordance with EPA Method 5035. The coring body of the Core-N-One™ Sampler was pushed into a freshly exposed soil surface, filling the sampling chamber. Any excess soil extruding from the sample chamber was carefully removed by trimming away the excess with a clean field blade. A paper towel was used to wipe the sampler head to remove excess soil from the exterior so the cap could be tightly attached. The cap was gently treaded onto place on the sampling chamber, taking care to properly seat the sealing gasket on the chamber. Samples for laboratory analyses were placed in an ice-chilled cooler and transported to a state-certified laboratory with chain of custody documentation. Samples collected in the Core N' One capsules were extracted and preserved by the laboratory within approximately 48 hours of sample collection.

GROUND WATER COLLECTION METHOD

Following drilling activities, 2-inch slotted PVC casing was inserted inside the hollow stem augers and the augers were retracted to expose the water-bearing materials. A dedicated Teflon bailer was lowered down the casing to collect a grab ground water sample. The laboratory-provided sampling containers were filled from the bottom of the bailer using the provided Teflon valve stem. The sample containers were labeled with a unique sample identification number and placed in an ice-chilled cooler and transported to a state-certified laboratory with chain of custody documentation.

BORING NUMBER CEG-1

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 14.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING 12.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		8 inches concrete over 10 inches aggregate base							
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel	27		x	78	0	None	sample obtained from 1.5' - 2'
			Fat Clay with Sand (CH) hard, moist, dark gray, fine sand, moderate to high plasticity	20		x	66	0	None	sample obtained from 3.5' - 4'
	5		**Fat Clay (CH)** very stiff, moist, dark gray, moderate to high plasticity	12			44	0	None	
				11			100	0	None	
	10		stiff, brown with light gray and dark gray mottles @ 10'	7			100	0	None	
				17			100	0	None	
			Sandy Lean Clay (CL) stiff, moist, brown with green gray mottles, low plasticity	10		x	100	0	None	sample obtained from 14' -14.5'
			Bottom of Boring at 14.5 feet.							
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:52 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-2

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 15.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 12 ft.
NOTES
AT END OF DRILLING 11 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		8 inches concrete over 16 inches aggregate base							
				21			66	0	None	
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel			x				sample obtained from 2' - 2.5'
						x				sample obtained from 2.5' - 3'
				14			66	0	None	
			Fat Clay (CH) stiff, moist, dark gray, moderate to high plasticity			x				sample obtained from 4' - 4.5'
	5			19			39	0	None	
				20			89	0	None	
			very stiff, brown with dark gray and light gray mottles @ 8'	18			100	0	None	
	10			26			89	0	None	
			Sandy Lean Clay (CL) stiff, wet, brown with dark gray and light gray mottles, fine to coarse sand, low to moderate plasticity	9			89	0	None	
	15			9			89	0	None	
			Bottom of Boring at 15.5 feet.							
	20									

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BORING NUMBER CEG-3

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 14 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 12.5 ft.
NOTES
AT END OF DRILLING 12 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		12 inches concrete over 12 inches aggregate base							
				16			66	0	None	
						x				sample obtained from 2' - 2.5'
			Fat Clay (CH) very stiff to stiff, moist, dark gray, high plasticity			x				sample obtained from 2.5' - 3'
				16			28	0	None	
						x				sample obtained from 4' - 4.5'
	5			15			44	0	None	
			brown, trace fine to coarse sand, moderate to high plasticity @ 6'							
				47			100	0	None	
			Sandy Lean Clay (CL) very stiff, moist, brown mottled, fine to coarse sand, moderate plasticity							
	10			9			100	0	None	
			Lean Clay with Sand (CL) stiff, moist, brown with dark gray and orange mottles, fine to coarse sand, moderate plasticity							
				10			78	0	None	
			Poorly Graded Sand with Clay and Silt (SP-SC) loose, wet, brown with gray mottles, fine to coarse sand, low plasticity							
	15		Bottom of Boring at 14.0 feet.							
	20									

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BORING NUMBER CEG-4

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 14 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 12 ft.
NOTES
AT END OF DRILLING 12 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		7 inches Portland cement concrete over 11 inches aggregate base							
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel	24		x	56	0	None	sample obtained from 1.5' - 2'
			Fat Clay (CH) stiff, moist, dark gray, moderate to high plasticity	9			56	0	None	
	5			11			33	0	None	
				13			66	0	None	
	10		**Sandy Lean Clay (CL)** stiff, moist, brown mottled, fine to medium sand, moderate to high plasticity	15			56	0	None	
			Poorly Graded Sand with Clay (SP-SC) loose, wet, brown mottled, fine to coarse sand	8			56	0	None	
			Bottom of Boring at 14.0 feet.							
	15									
	20									

BORING NUMBER CEG-5

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 14 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 10.5 ft.
NOTES
AT END OF DRILLING 8 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		10 inches concrete over 12 inches aggregate base							
			Fat Clay (CH) very stiff, moist, dark gray, moderate to high plasticity	11		x	89	0	None	sample obtained from 2' - 2.5'
				12			50	0	None	
	5		**Lean Clay with Sand (CL)** stiff, moist, brown mottled, fine to coarse sand, moderate plasticity	18			39	0	None	
						x				sample obtained from 5.5' - 6'
							66	0	None	
	10		**Sandy Lean Clay (CL)** stiff, wet, brown mottled, fine to coarse sand, low plasticity				100	0	None	
			Poorly Graded Sand with Clay (SP-SC) loose, wet, brown mottled, fine to coarse sand							
			Bottom of Boring at 14.0 feet.							
	15									
	20									

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BORING NUMBER CEG-6

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 14 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 13 ft.
NOTES
AT END OF DRILLING 13 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches concrete over 18 inches aggregate base							
				17			50	0	None	
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel			x				sample obtained from 2' - 2.5'
						x				sample obtained from 2.5' - 3'
				20			33	0	None	
			Fat Clay (CH) stiff, moist, dark gray, moderate to high plasticity							
	5			16			33	0	None	
			perched water, wet, brown with dark gray mottles @ 8'	16			100	0	None	
	10		**Sandy Lean Clay (CL)** medium stiff, moist, brown with dark gray mottles, fine to medium sand, moderate plasticity	21			100	0	None	
			Poorly Graded Sand with Clay (SP-SC) medium dense, wet, brown with light gray mottles, fine to medium sand	16			56	0	None	
			Bottom of Boring at 14.0 feet.							
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:52 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-7

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 14 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 13.5 ft.
NOTES
AT END OF DRILLING 13.5 ft.

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches concrete over 18 inches aggregate base							
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel	10		x	44	0	None	sample obtained from 2' - 2.5'
			Fat Clay (CH) very stiff, moist, dark gray, moderate to high plasticity	16			28	0	None	
	5			19		x	33	0	None	sample obtained from 5' - 5.5'
			medium stiff, brown mottled @ 7'	11			100	0	None	
			Lean Clay with Sand (CL) medium stiff, moist, brown mottled, fine to coarse sand, moderate plasticity							
	10			13			100	0	None	
			Poorly Graded Sand with Clay (SP-SC) loose, wet, brown mottled, fine sand	8			50	0	None	
			Bottom of Boring at 14.0 feet.							
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:52 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-8

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 5.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches concrete over 9 inches aggregate base							
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine gravel	21		x	89	0	None	sample obtained from 1' - 1.5'
				17			56	0	None	
			Fat Clay (CH) very stiff to stiff, moist, dark gray, moderate to high plasticity	12			44	0	None	
	5		Bottom of Boring at 5.5 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:52 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-9

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/30/14 **DATE COMPLETED** 07/30/14
GROUND ELEVATION **BORING DEPTH** 5.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-40, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY RSM
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches concrete over 9 inches aggregate base							
			Fat Clay (CH) very stiff to stiff, moist, dark gray, moderate to high plasticity			x				sample obtained from 1' - 1.5'
	5		Bottom of Boring at 5.5 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:52 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-10

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 5.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		8 inches concrete over 12 inches aggregate base							
			Clayey Sand with Gravel (SC) [Fill] dense, moist, brown mottled, fine to coarse sand, some fine gravel	36		x	50	2.7	None	sample obtained from 2' - 2.5'
			Fat Clay (CH) stiff, moist, dark gray, fine sand, moderate plasticity	29			50	0	None	
	5		**Fat Clay (CH)** very stiff, moist, dark gray, moderate to high plasticity	19		x	56	0	None	sample obtained from 5' - 5.5'
			Bottom of Boring at 5.5 feet.							
	10									
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:57 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

BORING NUMBER CEG-11

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/14/14 **DATE COMPLETED** 07/14/14
GROUND ELEVATION **BORING DEPTH** 15.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING 15 ft.
NOTES
AT END OF DRILLING 13 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		6 inches concrete							
			Clayey Sand with Gravel (SC) [Fill] medium dense, moist, brown mottled, fine to coarse sand, some fine to coarse gravel	11		x	66	0.0	None	sample obtained from 1' - 1.5'
			Sandy Lean Clay (CL) stiff, moist, dark gray with brown mottles, fine to medium sand, low to moderate plasticity	18			66	0.0	None	
	5		**Fat Clay (CH)** stiff, moist, dark gray, moderate to high plasticity	20			66	0.0	None	
			dark gray with light gray mottles @ 7'	18			66	0.0	None	
			brown with dark gray and light gray mottles @ 9'	19			66	0.0	None	
	10			17		x	66	0.0	None	sample obtained from 10.5' -11'
			Sandy Lean Clay (CL) medium stiff, wet, brown with light gray and dark gray mottles, fine to coarse sand, low to moderate plasticity	10			66	0.0	None	
	15		**Poorly Graded Sand with Clay (SP-SC)** loose, wet, brown with gray mottles, fine to medium sand	7			66	0.0	None	
			Bottom of Boring at 15.5 feet.							
	20									

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BORING NUMBER CEG-12

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 11.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING Not Encountered

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		9 inches concrete over 9 inches aggregate base							
			Fat Clay with Sand (CH) [Fill] stiff, moist, dark gray, fine to medium sand, moderate plasticity	18		x	66	0	None	sample obtained from 1.5' - 2'
			Clayey Sand (SC) [Fill] medium dense, moist, brown mottled, fine to medium sand	17			33	0	None	
	5		**Fat Clay (CH)** very stiff to stiff, moist, dark gray, moderate to high plasticity	18		x	66	0	None	sample obtained from 4.5' - 5'
				18			66	0	None	
	10		**Sandy Lean Clay (CL)** stiff, moist, brown mottled, fine to coarse sand, low to moderate plasticity	13			100	0	None	
			Bottom of Boring at 11.5 feet.							
	15									
	20									

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BORING NUMBER CEG-13

CORNERSTONE EARTH GROUP

PROJECT NAME One Hanson Court
PROJECT NUMBER 726-1-2
PROJECT LOCATION Milpitas, CA

DATE STARTED 07/15/14 **DATE COMPLETED** 07/15/14
GROUND ELEVATION **BORING DEPTH** 11.5 ft.
DRILLING CONTRACTOR Exploration Geoservices Inc.
LATITUDE **LONGITUDE**
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY KOH
AT TIME OF DRILLING Not Encountered
NOTES
AT END OF DRILLING Not Encountered

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	Sample Type and Interval	Sample Submitted for Laboratory Analysis	Percent Recovery (%)	OVM Reading (ppm)	Odors or Discoloration	Notes
	0		12 inches concrete over 6 inches aggregate base							
			Sandy Lean Clay (CL) [Fill] medium stiff, moist, brown, fine to coarse sand, low to moderate plasticity	13		x	66	0	None	sample obtained from 1.5' - 2'
			Poorly Graded Sand with Clay (SP-SC) [Fill] loose, moist, brown mottled, fine to medium sand	18			72	0	None	
	5		**Fat Clay (CH)** very stiff to stiff, moist, dark gray, moderate to high plasticity	17		x	33	0	None	sample obtained from 4.5' - 5'
			brown and gray mottled @ 6'							
				21			83	0	None	
			Sandy Lean Clay (CL) stiff, moist, brown mottled, fine to coarse sand, low to moderate plasticity							
	10		**Clayey Sand (SC)** medium dense, moist, brown mottled, fine to coarse sand	17			100	0	None	
			Bottom of Boring at 11.5 feet.							
	15									
	20									

CORNERSTONE GE LOG DEC192007 - CORNERSTONE 0812.GDT - 08/20/14 11:57 - P:\DRAFTING\GINT FILES\726-1-2 ONE HANSON COURT GE.GPJ

APPENDIX B – LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-58628-1
Client Project/Site: 1 Hanson Court

For:
Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, California 94085

Attn: Kurt Soenen

Authorized for release by:
7/22/2014 10:04:35 AM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.testamericainc.com

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

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

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

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

Job ID: 720-58628-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-58628-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2014 4:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.9º C and 2.4º C.

Except:

4 of 4 vials received with headspace for sample CEG-6.

GC/MS VOA
Method(s) 8260B: The following sample 58628-11,15 were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible.

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

HPLC/IC

Method(s) 7199: Samples were found to have been reductive in nature for hexavalent chromium. CEG-1(0-1/2) (720-58628-1), CEG-1(2-2 1/2) (720-58628-2), CEG-2(0-1/2) (720-58628-4), CEG-2(2-2 1/2) (720-58628-5), CEG-3(0-1/2) (720-58628-8), CEG-3(2-2 1/2) (720-58628-9), CEG-7(0-1/2) (720-58628-16)

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

GC Semi VOA
Method(s) 8015B: Capric acid Surrogate recovery for the following sample(s) was outside control limits: CEG-2(0-1/2) (720-58628-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Metals

Method(s) 6010B: The following sample(s) was diluted due to the abundance of non-target analyte : CEG-2(2-2 1/2) (720-58628-5), CEG-3(2-2 1/2) (720-58628-9), CEG-7(0-1/2) (720-58628-16). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the abundance of non-target analytes: CEG-2(2-2 1/2) (720-58628-5), CEG-3(2-2 1/2) (720-58628-9), CEG-7(0-1/2) (720-58628-16). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-1(0-1/2) — Lab Sample ID: 720-58628-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	51		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	100		49		mg/Kg	1		8015B	Silica Gel Cleanup
Cr (VI)	4.4		2.0		ug/L	1		7199	STLC DI
Arsenic	6.6		0.93		mg/Kg	1		6010B	Total/NA
Barium	93		0.46		mg/Kg	1		6010B	Total/NA
Beryllium	0.38		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	5.9		0.12		mg/Kg	1		6010B	Total/NA
Chromium	17		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	5.2		0.19		mg/Kg	1		6010B	Total/NA
Copper	13		1.4		mg/Kg	1		6010B	Total/NA
Lead	9.2		0.46		mg/Kg	1		6010B	Total/NA
Molybdenum	6.4		0.46		mg/Kg	1		6010B	Total/NA
Nickel	37		0.46		mg/Kg	1		6010B	Total/NA
Selenium	1.1		0.93		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.46		mg/Kg	1		6010B	Total/NA
Zinc	81		1.4		mg/Kg	1		6010B	Total/NA
Barium	0.18		0.050		mg/L	1		6010B	STLC DI
Molybdenum	0.18		0.10		mg/L	1		6010B	STLC DI
Mercury	0.036		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-1(2-2 1/2) — Lab Sample ID: 720-58628-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.0		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.2		0.86		mg/Kg	1		6010B	Total/NA
Barium	160		0.43		mg/Kg	1		6010B	Total/NA
Beryllium	0.45		0.086		mg/Kg	1		6010B	Total/NA
Cadmium	0.18		0.11		mg/Kg	1		6010B	Total/NA
Chromium	38		0.43		mg/Kg	1		6010B	Total/NA
Cobalt	8.7		0.17		mg/Kg	1		6010B	Total/NA
Copper	19		1.3		mg/Kg	1		6010B	Total/NA
Lead	4.4		0.43		mg/Kg	1		6010B	Total/NA
Nickel	52		0.43		mg/Kg	1		6010B	Total/NA
Vanadium	28		0.43		mg/Kg	1		6010B	Total/NA
Zinc	38		1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.068		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-2(0-1/2) — Lab Sample ID: 720-58628-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	56		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.7		0.79		mg/Kg	1		6010B	Total/NA
Barium	120		0.39		mg/Kg	1		6010B	Total/NA
Beryllium	0.28		0.079		mg/Kg	1		6010B	Total/NA
Cadmium	2.2		0.098		mg/Kg	1		6010B	Total/NA
Chromium	10		0.39		mg/Kg	1		6010B	Total/NA
Cobalt	5.0		0.16		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(0-1/2) (Continued) — Lab Sample ID: 720-58628-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	12		1.2		mg/Kg	1		6010B	Total/NA
Lead	3.6		0.39		mg/Kg	1		6010B	Total/NA
Molybdenum	2.6		0.39		mg/Kg	1		6010B	Total/NA
Nickel	24		0.39		mg/Kg	1		6010B	Total/NA
Vanadium	12		0.39		mg/Kg	1		6010B	Total/NA
Zinc	46		1.2		mg/Kg	1		6010B	Total/NA
Barium	0.14		0.050		mg/L	1		6010B	STLC DI
Mercury	0.031		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-2(2-2 1/2) — Lab Sample ID: 720-58628-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.8		3.8		mg/Kg	4		6010B	Total/NA
Barium	250		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.55		0.38		mg/Kg	4		6010B	Total/NA
Chromium	74		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.76		mg/Kg	4		6010B	Total/NA
Copper	34		5.7		mg/Kg	4		6010B	Total/NA
Lead	5.1		1.9		mg/Kg	4		6010B	Total/NA
Nickel	120		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	43		1.9		mg/Kg	4		6010B	Total/NA
Zinc	66		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.081		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-2 — Lab Sample ID: 720-58628-7

No Detections.

Client Sample ID: CEG-3(0-1/2) — Lab Sample ID: 720-58628-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.9		0.83		mg/Kg	1		6010B	Total/NA
Barium	240		0.41		mg/Kg	1		6010B	Total/NA
Beryllium	0.28		0.083		mg/Kg	1		6010B	Total/NA
Cadmium	1.5		0.10		mg/Kg	1		6010B	Total/NA
Chromium	7.2		0.41		mg/Kg	1		6010B	Total/NA
Cobalt	4.3		0.17		mg/Kg	1		6010B	Total/NA
Copper	13		1.2		mg/Kg	1		6010B	Total/NA
Lead	3.7		0.41		mg/Kg	1		6010B	Total/NA
Molybdenum	1.3		0.41		mg/Kg	1		6010B	Total/NA
Nickel	16		0.41		mg/Kg	1		6010B	Total/NA
Vanadium	11		0.41		mg/Kg	1		6010B	Total/NA
Zinc	40		1.2		mg/Kg	1		6010B	Total/NA
Barium	0.10		0.050		mg/L	1		6010B	STLC DI
Mercury	0.027		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-3(2-2 1/2) — Lab Sample ID: 720-58628-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		2.9		mg/Kg	4		6010B	Total/NA
Barium	180		1.5		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(2-2 1/2) (Continued) — Lab Sample ID: 720-58628-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.44		0.29		mg/Kg	4		6010B	Total/NA
Chromium	53		1.5		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.59		mg/Kg	4		6010B	Total/NA
Copper	22		4.4		mg/Kg	4		6010B	Total/NA
Lead	5.2		1.5		mg/Kg	4		6010B	Total/NA
Nickel	70		1.5		mg/Kg	4		6010B	Total/NA
Vanadium	35		1.5		mg/Kg	4		6010B	Total/NA
Zinc	48		4.4		mg/Kg	4		6010B	Total/NA
Mercury	0.048		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-3 — Lab Sample ID: 720-58628-11

No Detections.

Client Sample ID: CEG-6(0-1/2) — Lab Sample ID: 720-58628-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	24		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.7		0.74		mg/Kg	1		6010B	Total/NA
Barium	120		0.37		mg/Kg	1		6010B	Total/NA
Beryllium	0.30		0.074		mg/Kg	1		6010B	Total/NA
Cadmium	1.6		0.092		mg/Kg	1		6010B	Total/NA
Chromium	13		0.37		mg/Kg	1		6010B	Total/NA
Cobalt	4.6		0.15		mg/Kg	1		6010B	Total/NA
Copper	14		1.1		mg/Kg	1		6010B	Total/NA
Lead	4.3		0.37		mg/Kg	1		6010B	Total/NA
Molybdenum	1.6		0.37		mg/Kg	1		6010B	Total/NA
Nickel	22		0.37		mg/Kg	1		6010B	Total/NA
Vanadium	13		0.37		mg/Kg	1		6010B	Total/NA
Zinc	46		1.1		mg/Kg	1		6010B	Total/NA
Mercury	0.044		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-6 — Lab Sample ID: 720-58628-15

No Detections.

Client Sample ID: CEG-7(0-1/2) — Lab Sample ID: 720-58628-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	96		41		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Arsenic	4.1		2.8		mg/Kg	4		6010B	Total/NA
Barium	260		1.4		mg/Kg	4		6010B	Total/NA
Beryllium	0.58		0.28		mg/Kg	4		6010B	Total/NA
Chromium	64		1.4		mg/Kg	4		6010B	Total/NA
Cobalt	12		0.56		mg/Kg	4		6010B	Total/NA
Copper	27		4.2		mg/Kg	4		6010B	Total/NA
Lead	11		1.4		mg/Kg	4		6010B	Total/NA
Nickel	86		1.4		mg/Kg	4		6010B	Total/NA
Vanadium	39		1.4		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-7(0-1/2) (Continued) — Lab Sample ID: 720-58628-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	62		4.2		mg/Kg	4		6010B	Total/NA
Mercury	0.095		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-11(0-1/2) — Lab Sample ID: 720-58628-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.3		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.8		0.91		mg/Kg	1		6010B	Total/NA
Barium	120		0.45		mg/Kg	1		6010B	Total/NA
Beryllium	0.34		0.091		mg/Kg	1		6010B	Total/NA
Cadmium	0.16		0.11		mg/Kg	1		6010B	Total/NA
Chromium	29		0.45		mg/Kg	1		6010B	Total/NA
Cobalt	6.5		0.18		mg/Kg	1		6010B	Total/NA
Copper	13		1.4		mg/Kg	1		6010B	Total/NA
Lead	6.5		0.45		mg/Kg	1		6010B	Total/NA
Nickel	40		0.45		mg/Kg	1		6010B	Total/NA
Vanadium	22		0.45		mg/Kg	1		6010B	Total/NA
Zinc	33		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.064		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-11 — Lab Sample ID: 720-58628-24

No Detections.

Client Sample ID: CEG-2(1/2-1) — Lab Sample ID: 720-58628-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.0		1.7		mg/Kg	4		6010B	Total/NA
Arsenic	7.9		3.4		mg/Kg	4		6010B	Total/NA
Mercury	0.048		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-6(1/2-1) — Lab Sample ID: 720-58628-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	4.5		1.9		ug/Kg	1		8081A	Total/NA
Lead	8.6		1.7		mg/Kg	4		6010B	Total/NA
Arsenic	5.7		3.4		mg/Kg	4		6010B	Total/NA
Mercury	0.085		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-3(1/2-1) — Lab Sample ID: 720-58628-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	6.6		1.9		ug/Kg	1		8081A	Total/NA
Lead	9.0		1.9		mg/Kg	4		6010B	Total/NA
Arsenic	9.8		3.8		mg/Kg	4		6010B	Total/NA
Mercury	0.073		0.0086		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-1(0-1/2)

Lab Sample ID: 720-58628-1

Date Collected: 07/14/14 09:00
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**51**		0.99		mg/Kg		07/18/14 09:30	07/18/14 22:24	1
Motor Oil Range Organics [C24-C36]	**100**		49		mg/Kg		07/18/14 09:30	07/18/14 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.6*		*0 - 1*	*07/18/14 09:30*	*07/18/14 22:24*	*1*
p-Terphenyl	*82*		*38 - 148*	*07/18/14 09:30*	*07/18/14 22:24*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/16/14 15:59	07/17/14 16:10	10

Method: 7199 - Chromium, Hexavalent (IC) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**4.4**		2.0		ug/L			07/18/14 21:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Arsenic	**6.6**		0.93		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Barium	**93**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Beryllium	**0.38**		0.093		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Cadmium	**5.9**		0.12		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Chromium	**17**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Cobalt	**5.2**		0.19		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Copper	**13**		1.4		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Lead	**9.2**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Molybdenum	**6.4**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Nickel	**37**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Selenium	**1.1**		0.93		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Silver	ND		0.23		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Thallium	ND		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Vanadium	**24**		0.46		mg/Kg		07/16/14 13:49	07/18/14 22:00	1
Zinc	**81**		1.4		mg/Kg		07/16/14 13:49	07/18/14 22:00	1

Method: 6010B - Metals (ICP) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Arsenic	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Barium	**0.18**		0.050		mg/L		07/18/14 10:43	07/19/14 01:11	1
Beryllium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:11	1
Cadmium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:11	1
Chromium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Cobalt	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:11	1
Copper	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:11	1
Lead	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:11	1
Molybdenum	**0.18**		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Nickel	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Selenium	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:11	1
Silver	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:11	1
Thallium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-1(0-1/2)

Lab Sample ID: 720-58628-1

Date Collected: 07/14/14 09:00

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:11	1
Zinc	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:11	1

Method: 7470A - Mercury (CVAA) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0050		mg/L		07/21/14 10:30	07/21/14 15:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.0086		mg/Kg		07/16/14 20:13	07/18/14 17:08	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-1(2-2 1/2)

Lab Sample ID: 720-58628-2

Date Collected: 07/14/14 09:05
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.0**		0.99		mg/Kg		07/18/14 09:30	07/18/14 19:09	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 09:30	07/18/14 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 1*	*07/18/14 09:30*	*07/18/14 19:09*	*1*
p-Terphenyl	*98*		*38 - 148*	*07/18/14 09:30*	*07/18/14 19:09*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/16/14 15:59	07/17/14 16:37	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Arsenic	**3.2**		0.86		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Barium	**160**		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Beryllium	**0.45**		0.086		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Cadmium	**0.18**		0.11		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Chromium	**38**		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Cobalt	**8.7**		0.17		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Copper	**19**		1.3		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Lead	**4.4**		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Molybdenum	ND		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Nickel	**52**		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Selenium	ND		0.86		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Silver	ND		0.22		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Thallium	ND		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Vanadium	**28**		0.43		mg/Kg		07/16/14 13:49	07/18/14 22:05	1
Zinc	**38**		1.3		mg/Kg		07/16/14 13:49	07/18/14 22:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**		0.0088		mg/Kg		07/16/14 20:13	07/18/14 17:10	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(0-1/2)

Lab Sample ID: 720-58628-4

Date Collected: 07/14/14 09:57
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**56**		0.99		mg/Kg		07/18/14 09:30	07/18/14 19:34	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 09:30	07/18/14 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*5*	*X*	*0 - 1*	*07/18/14 09:30*	*07/18/14 19:34*	*1*
p-Terphenyl	*100*		*38 - 148*	*07/18/14 09:30*	*07/18/14 19:34*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/16/14 15:59	07/17/14 17:05	10

Method: 7199 - Chromium, Hexavalent (IC) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0		ug/L			07/18/14 22:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Arsenic	**6.7**		0.79		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Barium	**120**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Beryllium	**0.28**		0.079		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Cadmium	**2.2**		0.098		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Chromium	**10**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Cobalt	**5.0**		0.16		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Copper	**12**		1.2		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Lead	**3.6**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Molybdenum	**2.6**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Nickel	**24**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Selenium	ND		0.79		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Silver	ND		0.20		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Thallium	ND		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Vanadium	**12**		0.39		mg/Kg		07/16/14 13:49	07/18/14 22:10	1
Zinc	**46**		1.2		mg/Kg		07/16/14 13:49	07/18/14 22:10	1

Method: 6010B - Metals (ICP) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Arsenic	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Barium	**0.14**		0.050		mg/L		07/18/14 10:43	07/19/14 01:21	1
Beryllium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:21	1
Cadmium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:21	1
Chromium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Cobalt	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:21	1
Copper	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:21	1
Lead	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:21	1
Molybdenum	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Nickel	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Selenium	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:21	1
Silver	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:21	1
Thallium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(0-1/2)

Lab Sample ID: 720-58628-4

Date Collected: 07/14/14 09:57

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:21	1
Zinc	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:21	1

Method: 7470A - Mercury (CVAA) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0050		mg/L		07/21/14 10:30	07/21/14 15:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.0095		mg/Kg		07/16/14 20:13	07/18/14 17:13	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(2-2 1/2)

Lab Sample ID: 720-58628-5

Date Collected: 07/14/14 09:59
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 09:30	07/18/14 19:58	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 09:30	07/18/14 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 1*	*07/18/14 09:30*	*07/18/14 19:58*	*1*
p-Terphenyl	*94*		*38 - 148*	*07/18/14 09:30*	*07/18/14 19:58*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		07/16/14 15:59	07/17/14 17:32	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Arsenic	**9.8**		3.8		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Barium	**250**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Beryllium	**0.55**		0.38		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Cadmium	ND		0.48		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Chromium	**74**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Cobalt	**15**		0.76		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Copper	**34**		5.7		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Lead	**5.1**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Molybdenum	ND		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Nickel	**120**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Selenium	ND		3.8		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Silver	ND		0.95		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Thallium	ND		1.9		mg/Kg		07/16/14 13:49	07/18/14 22:15	4
Vanadium	**43**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:12	4
Zinc	**66**		5.7		mg/Kg		07/16/14 13:49	07/18/14 11:12	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.081**		0.0091		mg/Kg		07/16/14 20:13	07/18/14 17:15	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2

Lab Sample ID: 720-58628-7

Date Collected: 07/14/14 10:30

Matrix: Water

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/17/14 14:39	1
Acetone	ND		50		ug/L			07/17/14 14:39	1
Benzene	ND		0.50		ug/L			07/17/14 14:39	1
Dichlorobromomethane	ND		0.50		ug/L			07/17/14 14:39	1
Bromobenzene	ND		1.0		ug/L			07/17/14 14:39	1
Chlorobromomethane	ND		1.0		ug/L			07/17/14 14:39	1
Bromoform	ND		1.0		ug/L			07/17/14 14:39	1
Bromomethane	ND		1.0		ug/L			07/17/14 14:39	1
2-Butanone (MEK)	ND		50		ug/L			07/17/14 14:39	1
n-Butylbenzene	ND		1.0		ug/L			07/17/14 14:39	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/14 14:39	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/14 14:39	1
Carbon disulfide	ND		5.0		ug/L			07/17/14 14:39	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/14 14:39	1
Chlorobenzene	ND		0.50		ug/L			07/17/14 14:39	1
Chloroethane	ND		1.0		ug/L			07/17/14 14:39	1
Chloroform	ND		1.0		ug/L			07/17/14 14:39	1
Chloromethane	ND		1.0		ug/L			07/17/14 14:39	1
2-Chlorotoluene	ND		0.50		ug/L			07/17/14 14:39	1
4-Chlorotoluene	ND		0.50		ug/L			07/17/14 14:39	1
Chlorodibromomethane	ND		0.50		ug/L			07/17/14 14:39	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/17/14 14:39	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/17/14 14:39	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/17/14 14:39	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/14 14:39	1
1,1-Dichloropropene	ND		0.50		ug/L			07/17/14 14:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/17/14 14:39	1
Ethylene Dibromide	ND		0.50		ug/L			07/17/14 14:39	1
Dibromomethane	ND		0.50		ug/L			07/17/14 14:39	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/17/14 14:39	1
1,1-Dichloroethane	ND		0.50		ug/L			07/17/14 14:39	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/14 14:39	1
1,1-Dichloroethene	ND		0.50		ug/L			07/17/14 14:39	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 14:39	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 14:39	1
1,2-Dichloropropane	ND		0.50		ug/L			07/17/14 14:39	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 14:39	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 14:39	1
Ethylbenzene	ND		0.50		ug/L			07/17/14 14:39	1
Hexachlorobutadiene	ND		1.0		ug/L			07/17/14 14:39	1
2-Hexanone	ND		50		ug/L			07/17/14 14:39	1
Isopropylbenzene	ND		0.50		ug/L			07/17/14 14:39	1
4-Isopropyltoluene	ND		1.0		ug/L			07/17/14 14:39	1
Methylene Chloride	ND		5.0		ug/L			07/17/14 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/17/14 14:39	1
Naphthalene	ND		1.0		ug/L			07/17/14 14:39	1
N-Propylbenzene	ND		1.0		ug/L			07/17/14 14:39	1
Styrene	ND		0.50		ug/L			07/17/14 14:39	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 14:39	1

Client Sample ID: CEG-2

Lab Sample ID: 720-58628-7

Date Collected: 07/14/14 10:30

Matrix: Water

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 14:39	1
Tetrachloroethene	ND		0.50		ug/L			07/17/14 14:39	1
Toluene	ND		0.50		ug/L			07/17/14 14:39	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/14 14:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/14 14:39	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/17/14 14:39	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/17/14 14:39	1
Trichloroethene	ND		0.50		ug/L			07/17/14 14:39	1
Trichlorofluoromethane	ND		1.0		ug/L			07/17/14 14:39	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/17/14 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/17/14 14:39	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/17/14 14:39	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/17/14 14:39	1
Vinyl acetate	ND		10		ug/L			07/17/14 14:39	1
Vinyl chloride	ND		0.50		ug/L			07/17/14 14:39	1
Xylenes, Total	ND		1.0		ug/L			07/17/14 14:39	1
2,2-Dichloropropane	ND		0.50		ug/L			07/17/14 14:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/14 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*07/17/14 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 130*		*07/17/14 14:39*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/17/14 14:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/17/14 21:54	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/17/14 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 5*	*07/17/14 09:50*	*07/17/14 21:54*	*1*
p-Terphenyl	*105*		*31 - 150*	*07/17/14 09:50*	*07/17/14 21:54*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/14/14 19:37	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(0-1/2)

Lab Sample ID: 720-58628-8

Date Collected: 07/14/14 15:08
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 09:30	07/18/14 20:23	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 09:30	07/18/14 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*07/18/14 09:30*	*07/18/14 20:23*	*1*
p-Terphenyl	*86*		*38 - 148*	*07/18/14 09:30*	*07/18/14 20:23*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/16/14 15:59	07/17/14 17:59	10

Method: 7199 - Chromium, Hexavalent (IC) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0		ug/L			07/18/14 22:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Arsenic	**6.9**		0.83		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Barium	**240**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Beryllium	**0.28**		0.083		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Cadmium	**1.5**		0.10		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Chromium	**7.2**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Cobalt	**4.3**		0.17		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Copper	**13**		1.2		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Lead	**3.7**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Molybdenum	**1.3**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Nickel	**16**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Selenium	ND		0.83		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Silver	ND		0.21		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Thallium	ND		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Vanadium	**11**		0.41		mg/Kg		07/16/14 13:49	07/18/14 22:20	1
Zinc	**40**		1.2		mg/Kg		07/16/14 13:49	07/18/14 22:20	1

Method: 6010B - Metals (ICP) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Arsenic	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Barium	**0.10**		0.050		mg/L		07/18/14 10:43	07/19/14 01:26	1
Beryllium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:26	1
Cadmium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:26	1
Chromium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Cobalt	ND		0.020		mg/L		07/18/14 10:43	07/19/14 01:26	1
Copper	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:26	1
Lead	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:26	1
Molybdenum	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Nickel	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Selenium	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:26	1
Silver	ND		0.050		mg/L		07/18/14 10:43	07/19/14 01:26	1
Thallium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(0-1/2)

Lab Sample ID: 720-58628-8

Date Collected: 07/14/14 15:08

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 01:26	1
Zinc	ND		0.20		mg/L		07/18/14 10:43	07/19/14 01:26	1

Method: 7470A - Mercury (CVAA) - STLC DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0050		mg/L		07/21/14 10:30	07/21/14 15:52	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.0087		mg/Kg		07/16/14 20:13	07/18/14 17:17	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(2-2 1/2)

Lab Sample ID: 720-58628-9

Date Collected: 07/14/14 15:15

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 09:30	07/18/14 20:47	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 09:30	07/18/14 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.008*		*0 - 1*	*07/18/14 09:30*	*07/18/14 20:47*	*1*
p-Terphenyl	*89*		*38 - 148*	*07/18/14 09:30*	*07/18/14 20:47*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/16/14 15:59	07/17/14 19:28	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Arsenic	**3.4**		2.9		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Barium	**180**		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Beryllium	**0.44**		0.29		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Cadmium	ND		0.37		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Chromium	**53**		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Cobalt	**11**		0.59		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Copper	**22**		4.4		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Lead	**5.2**		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Molybdenum	ND		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Nickel	**70**		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Selenium	ND		2.9		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Silver	ND		0.74		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Thallium	ND		1.5		mg/Kg		07/16/14 13:49	07/18/14 22:25	4
Vanadium	**35**		1.5		mg/Kg		07/16/14 13:49	07/18/14 11:21	4
Zinc	**48**		4.4		mg/Kg		07/16/14 13:49	07/18/14 11:21	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**		0.0090		mg/Kg		07/16/14 20:13	07/18/14 17:20	1

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3
Date Collected: 07/14/14 15:58
Date Received: 07/14/14 16:55

Lab Sample ID: 720-58628-11
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/17/14 15:08	1
Acetone	ND		50		ug/L			07/17/14 15:08	1
Benzene	ND		0.50		ug/L			07/17/14 15:08	1
Dichlorobromomethane	ND		0.50		ug/L			07/17/14 15:08	1
Bromobenzene	ND		1.0		ug/L			07/17/14 15:08	1
Chlorobromomethane	ND		1.0		ug/L			07/17/14 15:08	1
Bromoform	ND		1.0		ug/L			07/17/14 15:08	1
Bromomethane	ND		1.0		ug/L			07/17/14 15:08	1
2-Butanone (MEK)	ND		50		ug/L			07/17/14 15:08	1
n-Butylbenzene	ND		1.0		ug/L			07/17/14 15:08	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/14 15:08	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/14 15:08	1
Carbon disulfide	ND		5.0		ug/L			07/17/14 15:08	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/14 15:08	1
Chlorobenzene	ND		0.50		ug/L			07/17/14 15:08	1
Chloroethane	ND		1.0		ug/L			07/17/14 15:08	1
Chloroform	ND		1.0		ug/L			07/17/14 15:08	1
Chloromethane	ND		1.0		ug/L			07/17/14 15:08	1
2-Chlorotoluene	ND		0.50		ug/L			07/17/14 15:08	1
4-Chlorotoluene	ND		0.50		ug/L			07/17/14 15:08	1
Chlorodibromomethane	ND		0.50		ug/L			07/17/14 15:08	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:08	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:08	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:08	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/14 15:08	1
1,1-Dichloropropene	ND		0.50		ug/L			07/17/14 15:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/17/14 15:08	1
Ethylene Dibromide	ND		0.50		ug/L			07/17/14 15:08	1
Dibromomethane	ND		0.50		ug/L			07/17/14 15:08	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/17/14 15:08	1
1,1-Dichloroethane	ND		0.50		ug/L			07/17/14 15:08	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/14 15:08	1
1,1-Dichloroethene	ND		0.50		ug/L			07/17/14 15:08	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 15:08	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 15:08	1
1,2-Dichloropropane	ND		0.50		ug/L			07/17/14 15:08	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 15:08	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 15:08	1
Ethylbenzene	ND		0.50		ug/L			07/17/14 15:08	1
Hexachlorobutadiene	ND		1.0		ug/L			07/17/14 15:08	1
2-Hexanone	ND		50		ug/L			07/17/14 15:08	1
Isopropylbenzene	ND		0.50		ug/L			07/17/14 15:08	1
4-Isopropyltoluene	ND		1.0		ug/L			07/17/14 15:08	1
Methylene Chloride	ND		5.0		ug/L			07/17/14 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/17/14 15:08	1
Naphthalene	ND		1.0		ug/L			07/17/14 15:08	1
N-Propylbenzene	ND		1.0		ug/L			07/17/14 15:08	1
Styrene	ND		0.50		ug/L			07/17/14 15:08	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 15:08	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3

Date Collected: 07/14/14 15:58
Date Received: 07/14/14 16:55

Lab Sample ID: 720-58628-11

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 15:08	1
Tetrachloroethene	ND		0.50		ug/L			07/17/14 15:08	1
Toluene	ND		0.50		ug/L			07/17/14 15:08	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/14 15:08	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/14 15:08	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/17/14 15:08	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/17/14 15:08	1
Trichloroethene	ND		0.50		ug/L			07/17/14 15:08	1
Trichlorofluoromethane	ND		1.0		ug/L			07/17/14 15:08	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/17/14 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/17/14 15:08	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/17/14 15:08	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/17/14 15:08	1
Vinyl acetate	ND		10		ug/L			07/17/14 15:08	1
Vinyl chloride	ND		0.50		ug/L			07/17/14 15:08	1
Xylenes, Total	ND		1.0		ug/L			07/17/14 15:08	1
2,2-Dichloropropane	ND		0.50		ug/L			07/17/14 15:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/14 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*07/17/14 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*		*07/17/14 15:08*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/17/14 15:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		07/17/14 09:50	07/17/14 22:18	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/17/14 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 5*	*07/17/14 09:50*	*07/17/14 22:18*	*1*
p-Terphenyl	*89*		*31 - 150*	*07/17/14 09:50*	*07/17/14 22:18*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/14/14 19:37	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6(0-1/2)

Lab Sample ID: 720-58628-12

Date Collected: 07/14/14 12:30

Matrix: Solid

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Acetone	ND		44		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Benzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Dichlorobromomethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Bromobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chlorobromomethane	ND		17		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Bromoform	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Bromomethane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
2-Butanone (MEK)	ND		44		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
n-Butylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
sec-Butylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
tert-Butylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Carbon disulfide	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Carbon tetrachloride	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chloroethane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chloroform	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chloromethane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
2-Chlorotoluene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
4-Chlorotoluene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Chlorodibromomethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2-Dichlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,3-Dichlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,4-Dichlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,3-Dichloropropane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1-Dichloropropene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2-Dibromo-3-Chloropropane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Ethylene Dibromide	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Dibromomethane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Dichlorodifluoromethane	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1-Dichloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2-Dichloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1-Dichloroethene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
cis-1,2-Dichloroethene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
trans-1,2-Dichloroethene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2-Dichloropropane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
cis-1,3-Dichloropropene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
trans-1,3-Dichloropropene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Ethylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Hexachlorobutadiene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
2-Hexanone	ND		44		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Isopropylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
4-Isopropyltoluene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Methylene Chloride	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
4-Methyl-2-pentanone (MIBK)	ND		44		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Naphthalene	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
N-Propylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Styrene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1,1,2-Tetrachloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6(0-1/2)

Date Collected: 07/14/14 12:30
Date Received: 07/14/14 16:55

Lab Sample ID: 720-58628-12

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Tetrachloroethene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Toluene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2,3-Trichlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2,4-Trichlorobenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1,1-Trichloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1,2-Trichloroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Trichloroethene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Trichlorofluoromethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2,3-Trichloropropane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,2,4-Trimethylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
1,3,5-Trimethylbenzene	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Vinyl acetate	ND		44		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Vinyl chloride	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Xylenes, Total	ND		8.7		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
2,2-Dichloropropane	ND		4.4		ug/Kg		07/14/14 19:45	07/15/14 14:30	1
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		07/14/14 19:45	07/15/14 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*07/14/14 19:45*	*07/15/14 14:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*	*07/14/14 19:45*	*07/15/14 14:30*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*07/14/14 19:45*	*07/15/14 14:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**24**		1.0		mg/Kg		07/18/14 11:59	07/18/14 22:09	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 11:59	07/18/14 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.5*		*0 - 1*	*07/18/14 11:59*	*07/18/14 22:09*	*1*
p-Terphenyl	*82*		*38 - 148*	*07/18/14 11:59*	*07/18/14 22:09*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		07/16/14 15:59	07/17/14 19:55	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Arsenic	**6.7**		0.74		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Barium	**120**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Beryllium	**0.30**		0.074		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Cadmium	**1.6**		0.092		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Chromium	**13**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Cobalt	**4.6**		0.15		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Copper	**14**		1.1		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Lead	**4.3**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Molybdenum	**1.6**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Nickel	**22**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6(0-1/2)

Lab Sample ID: 720-58628-12

Date Collected: 07/14/14 12:30

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.74		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Silver	ND		0.18		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Thallium	ND		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Vanadium	**13**		0.37		mg/Kg		07/16/14 13:49	07/18/14 22:30	1
Zinc	**46**		1.1		mg/Kg		07/16/14 13:49	07/18/14 22:30	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.0091		mg/Kg		07/16/14 20:13	07/18/14 17:22	1

Client Sample ID: CEG-6

Lab Sample ID: 720-58628-15

Date Collected: 07/14/14 12:55

Matrix: Water

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/17/14 15:38	1
Acetone	ND		50		ug/L			07/17/14 15:38	1
Benzene	ND		0.50		ug/L			07/17/14 15:38	1
Dichlorobromomethane	ND		0.50		ug/L			07/17/14 15:38	1
Bromobenzene	ND		1.0		ug/L			07/17/14 15:38	1
Chlorobromomethane	ND		1.0		ug/L			07/17/14 15:38	1
Bromoform	ND		1.0		ug/L			07/17/14 15:38	1
Bromomethane	ND		1.0		ug/L			07/17/14 15:38	1
2-Butanone (MEK)	ND		50		ug/L			07/17/14 15:38	1
n-Butylbenzene	ND		1.0		ug/L			07/17/14 15:38	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/14 15:38	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/14 15:38	1
Carbon disulfide	ND		5.0		ug/L			07/17/14 15:38	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/14 15:38	1
Chlorobenzene	ND		0.50		ug/L			07/17/14 15:38	1
Chloroethane	ND		1.0		ug/L			07/17/14 15:38	1
Chloroform	ND		1.0		ug/L			07/17/14 15:38	1
Chloromethane	ND		1.0		ug/L			07/17/14 15:38	1
2-Chlorotoluene	ND		0.50		ug/L			07/17/14 15:38	1
4-Chlorotoluene	ND		0.50		ug/L			07/17/14 15:38	1
Chlorodibromomethane	ND		0.50		ug/L			07/17/14 15:38	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:38	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:38	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/17/14 15:38	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/14 15:38	1
1,1-Dichloropropene	ND		0.50		ug/L			07/17/14 15:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/17/14 15:38	1
Ethylene Dibromide	ND		0.50		ug/L			07/17/14 15:38	1
Dibromomethane	ND		0.50		ug/L			07/17/14 15:38	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/17/14 15:38	1
1,1-Dichloroethane	ND		0.50		ug/L			07/17/14 15:38	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/14 15:38	1
1,1-Dichloroethene	ND		0.50		ug/L			07/17/14 15:38	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 15:38	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 15:38	1
1,2-Dichloropropane	ND		0.50		ug/L			07/17/14 15:38	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 15:38	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 15:38	1
Ethylbenzene	ND		0.50		ug/L			07/17/14 15:38	1
Hexachlorobutadiene	ND		1.0		ug/L			07/17/14 15:38	1
2-Hexanone	ND		50		ug/L			07/17/14 15:38	1
Isopropylbenzene	ND		0.50		ug/L			07/17/14 15:38	1
4-Isopropyltoluene	ND		1.0		ug/L			07/17/14 15:38	1
Methylene Chloride	ND		5.0		ug/L			07/17/14 15:38	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/17/14 15:38	1
Naphthalene	ND		1.0		ug/L			07/17/14 15:38	1
N-Propylbenzene	ND		1.0		ug/L			07/17/14 15:38	1
Styrene	ND		0.50		ug/L			07/17/14 15:38	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 15:38	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6

Date Collected: 07/14/14 12:55
Date Received: 07/14/14 16:55

Lab Sample ID: 720-58628-15

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 15:38	1
Tetrachloroethene	ND		0.50		ug/L			07/17/14 15:38	1
Toluene	ND		0.50		ug/L			07/17/14 15:38	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/14 15:38	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/14 15:38	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/17/14 15:38	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/17/14 15:38	1
Trichloroethene	ND		0.50		ug/L			07/17/14 15:38	1
Trichlorofluoromethane	ND		1.0		ug/L			07/17/14 15:38	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/17/14 15:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/17/14 15:38	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/17/14 15:38	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/17/14 15:38	1
Vinyl acetate	ND		10		ug/L			07/17/14 15:38	1
Vinyl chloride	ND		0.50		ug/L			07/17/14 15:38	1
Xylenes, Total	ND		1.0		ug/L			07/17/14 15:38	1
2,2-Dichloropropane	ND		0.50		ug/L			07/17/14 15:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/14 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*07/17/14 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 130*		*07/17/14 15:38*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/17/14 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/17/14 22:42	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/17/14 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*07/17/14 09:50*	*07/17/14 22:42*	*1*
p-Terphenyl	*89*		*31 - 150*	*07/17/14 09:50*	*07/17/14 22:42*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/14/14 19:37	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-7(0-1/2)

Lab Sample ID: 720-58628-16

Date Collected: 07/14/14 14:05
Matrix: Solid
Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Acetone	**96**		41		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Benzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Dichlorobromomethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Bromobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chlorobromomethane	ND		16		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Bromoform	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Bromomethane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
2-Butanone (MEK)	ND		41		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
n-Butylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
sec-Butylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
tert-Butylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Carbon disulfide	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Carbon tetrachloride	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chloroethane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chloroform	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chloromethane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
2-Chlorotoluene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
4-Chlorotoluene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Chlorodibromomethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,3-Dichloropropane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1-Dichloropropene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Ethylene Dibromide	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Dibromomethane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Dichlorodifluoromethane	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1-Dichloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1-Dichloroethene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2-Dichloropropane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Ethylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Hexachlorobutadiene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
2-Hexanone	ND		41		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Isopropylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
4-Isopropyltoluene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Methylene Chloride	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Naphthalene	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
N-Propylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Styrene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-7(0-1/2)

Date Collected: 07/14/14 14:05
Date Received: 07/14/14 16:55

Lab Sample ID: 720-58628-16

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Tetrachloroethene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Toluene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Trichloroethene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Trichlorofluoromethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Vinyl acetate	ND		41		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Vinyl chloride	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Xylenes, Total	ND		8.2		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
2,2-Dichloropropane	ND		4.1		ug/Kg		07/14/14 19:45	07/16/14 11:32	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/14/14 19:45	07/16/14 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*45 - 131*	*07/14/14 19:45*	*07/16/14 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*	*07/14/14 19:45*	*07/16/14 11:32*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*	*07/14/14 19:45*	*07/16/14 11:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 11:59	07/18/14 22:38	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 11:59	07/18/14 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*07/18/14 11:59*	*07/18/14 22:38*	*1*
p-Terphenyl	*53*		*38 - 148*	*07/18/14 11:59*	*07/18/14 22:38*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/16/14 15:59	07/17/14 20:23	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Arsenic	**4.1**		2.8		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Barium	**260**		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Beryllium	**0.58**		0.28		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Cadmium	ND		0.35		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Chromium	**64**		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Cobalt	**12**		0.56		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Copper	**27**		4.2		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Lead	**11**		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Molybdenum	ND		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Nickel	**86**		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-7(0-1/2)

Lab Sample ID: 720-58628-16

Date Collected: 07/14/14 14:05

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		2.8		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Silver	ND		0.69		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Thallium	ND		1.4		mg/Kg		07/16/14 13:49	07/18/14 22:44	4
Vanadium	**39**		1.4		mg/Kg		07/16/14 13:49	07/18/14 11:39	4
Zinc	**62**		4.2		mg/Kg		07/16/14 13:49	07/18/14 11:39	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.095**		0.0092		mg/Kg		07/16/14 20:13	07/18/14 17:25	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-11(0-1/2)

Lab Sample ID: 720-58628-19

Date Collected: 07/14/14 11:10
Matrix: Solid
Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.3**		1.0		mg/Kg		07/18/14 11:59	07/18/14 23:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 11:59	07/18/14 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.09*		*0 - 1*	*07/18/14 11:59*	*07/18/14 23:07*	*1*
p-Terphenyl	*83*		*38 - 148*	*07/18/14 11:59*	*07/18/14 23:07*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		07/16/14 15:59	07/17/14 20:50	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Arsenic	**3.8**		0.91		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Barium	**120**		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Beryllium	**0.34**		0.091		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Cadmium	**0.16**		0.11		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Chromium	**29**		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Cobalt	**6.5**		0.18		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Copper	**13**		1.4		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Lead	**6.5**		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Molybdenum	ND		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Nickel	**40**		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Selenium	ND		0.91		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Silver	ND		0.23		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Thallium	ND		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Vanadium	**22**		0.45		mg/Kg		07/16/14 13:49	07/18/14 22:49	1
Zinc	**33**		1.4		mg/Kg		07/16/14 13:49	07/18/14 22:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.064**		0.0088		mg/Kg		07/17/14 14:53	07/18/14 15:16	1

Client Sample ID: CEG-11

Lab Sample ID: 720-58628-24

Date Collected: 07/14/14 11:40

Matrix: Water

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/17/14 16:07	1
Acetone	ND		50		ug/L			07/17/14 16:07	1
Benzene	ND		0.50		ug/L			07/17/14 16:07	1
Dichlorobromomethane	ND		0.50		ug/L			07/17/14 16:07	1
Bromobenzene	ND		1.0		ug/L			07/17/14 16:07	1
Chlorobromomethane	ND		1.0		ug/L			07/17/14 16:07	1
Bromoform	ND		1.0		ug/L			07/17/14 16:07	1
Bromomethane	ND		1.0		ug/L			07/17/14 16:07	1
2-Butanone (MEK)	ND		50		ug/L			07/17/14 16:07	1
n-Butylbenzene	ND		1.0		ug/L			07/17/14 16:07	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/14 16:07	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/14 16:07	1
Carbon disulfide	ND		5.0		ug/L			07/17/14 16:07	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/14 16:07	1
Chlorobenzene	ND		0.50		ug/L			07/17/14 16:07	1
Chloroethane	ND		1.0		ug/L			07/17/14 16:07	1
Chloroform	ND		1.0		ug/L			07/17/14 16:07	1
Chloromethane	ND		1.0		ug/L			07/17/14 16:07	1
2-Chlorotoluene	ND		0.50		ug/L			07/17/14 16:07	1
4-Chlorotoluene	ND		0.50		ug/L			07/17/14 16:07	1
Chlorodibromomethane	ND		0.50		ug/L			07/17/14 16:07	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/17/14 16:07	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/17/14 16:07	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/17/14 16:07	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/14 16:07	1
1,1-Dichloropropene	ND		0.50		ug/L			07/17/14 16:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/17/14 16:07	1
Ethylene Dibromide	ND		0.50		ug/L			07/17/14 16:07	1
Dibromomethane	ND		0.50		ug/L			07/17/14 16:07	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/17/14 16:07	1
1,1-Dichloroethane	ND		0.50		ug/L			07/17/14 16:07	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/14 16:07	1
1,1-Dichloroethene	ND		0.50		ug/L			07/17/14 16:07	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 16:07	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 16:07	1
1,2-Dichloropropane	ND		0.50		ug/L			07/17/14 16:07	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 16:07	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 16:07	1
Ethylbenzene	ND		0.50		ug/L			07/17/14 16:07	1
Hexachlorobutadiene	ND		1.0		ug/L			07/17/14 16:07	1
2-Hexanone	ND		50		ug/L			07/17/14 16:07	1
Isopropylbenzene	ND		0.50		ug/L			07/17/14 16:07	1
4-Isopropyltoluene	ND		1.0		ug/L			07/17/14 16:07	1
Methylene Chloride	ND		5.0		ug/L			07/17/14 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/17/14 16:07	1
Naphthalene	ND		1.0		ug/L			07/17/14 16:07	1
N-Propylbenzene	ND		1.0		ug/L			07/17/14 16:07	1
Styrene	ND		0.50		ug/L			07/17/14 16:07	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 16:07	1

Client Sample ID: CEG-11

Lab Sample ID: 720-58628-24

Date Collected: 07/14/14 11:40

Matrix: Water

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 16:07	1
Tetrachloroethene	ND		0.50		ug/L			07/17/14 16:07	1
Toluene	ND		0.50		ug/L			07/17/14 16:07	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/14 16:07	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/14 16:07	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/17/14 16:07	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/17/14 16:07	1
Trichloroethene	ND		0.50		ug/L			07/17/14 16:07	1
Trichlorofluoromethane	ND		1.0		ug/L			07/17/14 16:07	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/17/14 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/17/14 16:07	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/17/14 16:07	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/17/14 16:07	1
Vinyl acetate	ND		10		ug/L			07/17/14 16:07	1
Vinyl chloride	ND		0.50		ug/L			07/17/14 16:07	1
Xylenes, Total	ND		1.0		ug/L			07/17/14 16:07	1
2,2-Dichloropropane	ND		0.50		ug/L			07/17/14 16:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/14 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*07/17/14 16:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*		*07/17/14 16:07*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/17/14 16:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/17/14 23:06	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/17/14 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*07/17/14 09:50*	*07/17/14 23:06*	*1*
p-Terphenyl	*80*		*31 - 150*	*07/17/14 09:50*	*07/17/14 23:06*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/14/14 19:37	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(1/2-1)

Lab Sample ID: 720-58628-26

Date Collected: 07/14/14 09:58
Matrix: Solid
Date Received: 07/14/14 16:55

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Dieldrin	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endrin aldehyde	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endrin	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endrin ketone	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Heptachlor	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Heptachlor epoxide	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
4,4'-DDT	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
4,4'-DDE	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
4,4'-DDD	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endosulfan I	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endosulfan II	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
alpha-BHC	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
beta-BHC	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
delta-BHC	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Endosulfan sulfate	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Methoxychlor	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Toxaphene	ND		40		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
Chlordane (technical)	ND		40		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
alpha-Chlordane	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1
gamma-Chlordane	ND		2.0		ug/Kg		07/17/14 17:33	07/19/14 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*57 - 122*	*07/17/14 17:33*	*07/19/14 00:12*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*07/17/14 17:33*	*07/19/14 00:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.0**		1.7		mg/Kg		07/16/14 13:49	07/18/14 11:47	4
Arsenic	**7.9**		3.4		mg/Kg		07/16/14 13:49	07/18/14 11:47	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**		0.0088		mg/Kg		07/17/14 14:53	07/18/14 15:18	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6(1/2-1)

Lab Sample ID: 720-58628-27

Date Collected: 07/14/14 12:42
Matrix: Solid
Date Received: 07/14/14 16:55

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Dieldrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endrin aldehyde	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endrin ketone	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Heptachlor	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Heptachlor epoxide	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
4,4'-DDT	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
4,4'-DDE	**4.5**		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
4,4'-DDD	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endosulfan I	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endosulfan II	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
alpha-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
beta-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
delta-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Endosulfan sulfate	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Methoxychlor	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Toxaphene	ND		39		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
Chlordane (technical)	ND		39		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
alpha-Chlordane	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1
gamma-Chlordane	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*57 - 122*	*07/17/14 17:33*	*07/19/14 00:29*	*1*
DCB Decachlorobiphenyl	*80*		*21 - 136*	*07/17/14 17:33*	*07/19/14 00:29*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.6**		1.7		mg/Kg		07/16/14 13:49	07/18/14 11:52	4
Arsenic	**5.7**		3.4		mg/Kg		07/16/14 13:49	07/18/14 11:52	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.085**		0.0087		mg/Kg		07/17/14 14:53	07/18/14 15:21	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(1/2-1)

Lab Sample ID: 720-58628-28

Date Collected: 07/14/14 15:12
Matrix: Solid
Date Received: 07/14/14 16:55

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Dieldrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endrin aldehyde	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endrin	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endrin ketone	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Heptachlor	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Heptachlor epoxide	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
4,4'-DDT	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
4,4'-DDE	**6.6**		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
4,4'-DDD	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endosulfan I	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endosulfan II	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
alpha-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
beta-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
delta-BHC	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Endosulfan sulfate	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Methoxychlor	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Toxaphene	ND		39		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
Chlordane (technical)	ND		39		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
alpha-Chlordane	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1
gamma-Chlordane	ND		1.9		ug/Kg		07/17/14 17:33	07/19/14 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*57 - 122*	*07/17/14 17:33*	*07/19/14 00:46*	*1*
DCB Decachlorobiphenyl	*90*		*21 - 136*	*07/17/14 17:33*	*07/19/14 00:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.0**		1.9		mg/Kg		07/16/14 13:49	07/18/14 11:56	4
Arsenic	**9.8**		3.8		mg/Kg		07/16/14 13:49	07/18/14 11:56	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**		0.0086		mg/Kg		07/17/14 14:53	07/18/14 15:23	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-162996/4
Matrix: Solid
Analysis Batch: 162996

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			07/15/14 08:41	1
Acetone	ND		50		ug/Kg			07/15/14 08:41	1
Benzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Dichlorobromomethane	ND		5.0		ug/Kg			07/15/14 08:41	1
Bromobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Chlorobromomethane	ND		20		ug/Kg			07/15/14 08:41	1
Bromoform	ND		5.0		ug/Kg			07/15/14 08:41	1
Bromomethane	ND		10		ug/Kg			07/15/14 08:41	1
2-Butanone (MEK)	ND		50		ug/Kg			07/15/14 08:41	1
n-Butylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
sec-Butylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
tert-Butylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Carbon disulfide	ND		5.0		ug/Kg			07/15/14 08:41	1
Carbon tetrachloride	ND		5.0		ug/Kg			07/15/14 08:41	1
Chlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Chloroethane	ND		10		ug/Kg			07/15/14 08:41	1
Chloroform	ND		5.0		ug/Kg			07/15/14 08:41	1
Chloromethane	ND		10		ug/Kg			07/15/14 08:41	1
2-Chlorotoluene	ND		5.0		ug/Kg			07/15/14 08:41	1
4-Chlorotoluene	ND		5.0		ug/Kg			07/15/14 08:41	1
Chlorodibromomethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,3-Dichloropropane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1-Dichloropropene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/15/14 08:41	1
Ethylene Dibromide	ND		5.0		ug/Kg			07/15/14 08:41	1
Dibromomethane	ND		10		ug/Kg			07/15/14 08:41	1
Dichlorodifluoromethane	ND		10		ug/Kg			07/15/14 08:41	1
1,1-Dichloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1-Dichloroethene	ND		5.0		ug/Kg			07/15/14 08:41	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/15/14 08:41	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2-Dichloropropane	ND		5.0		ug/Kg			07/15/14 08:41	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			07/15/14 08:41	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			07/15/14 08:41	1
Ethylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Hexachlorobutadiene	ND		5.0		ug/Kg			07/15/14 08:41	1
2-Hexanone	ND		50		ug/Kg			07/15/14 08:41	1
Isopropylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
4-Isopropyltoluene	ND		5.0		ug/Kg			07/15/14 08:41	1
Methylene Chloride	ND		10		ug/Kg			07/15/14 08:41	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			07/15/14 08:41	1
Naphthalene	ND		10		ug/Kg			07/15/14 08:41	1
N-Propylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Styrene	ND		5.0		ug/Kg			07/15/14 08:41	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-162996/4
Matrix: Solid
Analysis Batch: 162996

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
Tetrachloroethene	ND		5.0		ug/Kg			07/15/14 08:41	1
Toluene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
Trichloroethene	ND		5.0		ug/Kg			07/15/14 08:41	1
Trichlorofluoromethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			07/15/14 08:41	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			07/15/14 08:41	1
Vinyl acetate	ND		50		ug/Kg			07/15/14 08:41	1
Vinyl chloride	ND		5.0		ug/Kg			07/15/14 08:41	1
Xylenes, Total	ND		10		ug/Kg			07/15/14 08:41	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/15/14 08:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/15/14 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*45 - 131*		*07/15/14 08:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*		*07/15/14 08:41*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*		*07/15/14 08:41*	*1*

Lab Sample ID: LCS 720-162996/5
Matrix: Solid
Analysis Batch: 162996

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	70 - 144
Acetone	250	225		ug/Kg		90	30 - 162
Benzene	50.0	47.6		ug/Kg		95	70 - 130
Dichlorobromomethane	50.0	53.0		ug/Kg		106	70 - 131
Bromobenzene	50.0	53.0		ug/Kg		106	70 - 130
Chlorobromomethane	50.0	50.8		ug/Kg		102	70 - 130
Bromoform	50.0	61.9		ug/Kg		124	59 - 158
Bromomethane	50.0	51.6		ug/Kg		103	59 - 132
2-Butanone (MEK)	250	241		ug/Kg		96	53 - 124
n-Butylbenzene	50.0	48.9		ug/Kg		98	70 - 142
sec-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 136
tert-Butylbenzene	50.0	48.2		ug/Kg		96	70 - 130
Carbon disulfide	50.0	42.8		ug/Kg		86	60 - 140
Carbon tetrachloride	50.0	53.4		ug/Kg		107	70 - 138
Chlorobenzene	50.0	49.1		ug/Kg		98	70 - 130
Chloroethane	50.0	46.7		ug/Kg		93	65 - 130
Chloroform	50.0	50.2		ug/Kg		100	77 - 127

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-162996/5
Matrix: Solid
Analysis Batch: 162996

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	43.6		ug/Kg		87	55 - 140
2-Chlorotoluene	50.0	48.7		ug/Kg		97	70 - 138
4-Chlorotoluene	50.0	48.9		ug/Kg		98	70 - 136
Chlorodibromomethane	50.0	59.0		ug/Kg		118	70 - 146
1,2-Dichlorobenzene	50.0	50.7		ug/Kg		101	70 - 130
1,3-Dichlorobenzene	50.0	50.4		ug/Kg		101	70 - 131
1,4-Dichlorobenzene	50.0	51.1		ug/Kg		102	70 - 130
1,3-Dichloropropane	50.0	51.1		ug/Kg		102	70 - 140
1,1-Dichloropropene	50.0	50.9		ug/Kg		102	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.2		ug/Kg		106	60 - 145
Ethylene Dibromide	50.0	54.7		ug/Kg		109	70 - 140
Dibromomethane	50.0	52.9		ug/Kg		106	70 - 139
Dichlorodifluoromethane	50.0	55.9		ug/Kg		112	37 - 158
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 130
1,2-Dichloroethane	50.0	48.6		ug/Kg		97	70 - 130
1,1-Dichloroethene	50.0	44.7		ug/Kg		89	76 - 122
cis-1,2-Dichloroethene	50.0	47.1		ug/Kg		94	70 - 138
trans-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	67 - 130
1,2-Dichloropropane	50.0	49.4		ug/Kg		99	73 - 127
cis-1,3-Dichloropropene	50.0	55.8		ug/Kg		112	68 - 147
trans-1,3-Dichloropropene	50.0	61.3		ug/Kg		123	70 - 136
Ethylbenzene	50.0	45.4		ug/Kg		91	80 - 137
Hexachlorobutadiene	50.0	47.6		ug/Kg		95	70 - 132
2-Hexanone	250	232		ug/Kg		93	44 - 133
Isopropylbenzene	50.0	48.2		ug/Kg		96	88 - 128
4-Isopropyltoluene	50.0	48.2		ug/Kg		96	70 - 133
Methylene Chloride	50.0	47.9		ug/Kg		96	70 - 134
4-Methyl-2-pentanone (MIBK)	250	235		ug/Kg		94	60 - 160
Naphthalene	50.0	48.8		ug/Kg		98	60 - 147
N-Propylbenzene	50.0	48.2		ug/Kg		96	70 - 130
Styrene	50.0	52.8		ug/Kg		106	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/Kg		107	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	70 - 146
Tetrachloroethene	50.0	50.8		ug/Kg		102	70 - 132
Toluene	50.0	47.6		ug/Kg		95	80 - 128
1,2,3-Trichlorobenzene	50.0	47.0		ug/Kg		94	60 - 140
1,2,4-Trichlorobenzene	50.0	50.4		ug/Kg		101	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/Kg		97	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/Kg		104	70 - 130
Trichloroethene	50.0	51.0		ug/Kg		102	70 - 133
Trichlorofluoromethane	50.0	57.1		ug/Kg		114	60 - 140
1,2,3-Trichloropropane	50.0	53.4		ug/Kg		107	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.0		ug/Kg		90	60 - 140
1,2,4-Trimethylbenzene	50.0	49.2		ug/Kg		98	70 - 130
1,3,5-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 131
Vinyl acetate	50.0	57.7		ug/Kg		115	38 - 176
Vinyl chloride	50.0	45.5		ug/Kg		91	58 - 125

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-162996/5
Matrix: Solid
Analysis Batch: 162996

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	50.0	50.1		ug/Kg		100	70 - 146
o-Xylene	50.0	47.8		ug/Kg		96	70 - 140
2,2-Dichloropropane	50.0	43.5		ug/Kg		87	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: LCS 720-162996/7
Matrix: Solid
Analysis Batch: 162996

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1020		ug/Kg		102	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*95*		*58 - 140*

Lab Sample ID: LCSD 720-162996/6
Matrix: Solid
Analysis Batch: 162996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	51.0		ug/Kg		102	70 - 144	2	20
Acetone	250	289		ug/Kg		116	30 - 162	25	30
Benzene	50.0	45.5		ug/Kg		91	70 - 130	4	20
Dichlorobromomethane	50.0	51.3		ug/Kg		103	70 - 131	3	20
Bromobenzene	50.0	50.5		ug/Kg		101	70 - 130	5	20
Chlorobromomethane	50.0	50.1		ug/Kg		100	70 - 130	1	20
Bromoform	50.0	63.4		ug/Kg		127	59 - 158	2	20
Bromomethane	50.0	48.6		ug/Kg		97	59 - 132	6	20
2-Butanone (MEK)	250	264		ug/Kg		106	53 - 124	9	20
n-Butylbenzene	50.0	46.3		ug/Kg		93	70 - 142	5	20
sec-Butylbenzene	50.0	44.4		ug/Kg		89	70 - 136	7	20
tert-Butylbenzene	50.0	45.2		ug/Kg		90	70 - 130	6	20
Carbon disulfide	50.0	40.1		ug/Kg		80	60 - 140	7	20
Carbon tetrachloride	50.0	49.7		ug/Kg		99	70 - 138	7	20
Chlorobenzene	50.0	47.3		ug/Kg		95	70 - 130	4	20
Chloroethane	50.0	44.8		ug/Kg		90	65 - 130	4	20
Chloroform	50.0	47.3		ug/Kg		95	77 - 127	6	20
Chloromethane	50.0	42.6		ug/Kg		85	55 - 140	2	20
2-Chlorotoluene	50.0	45.5		ug/Kg		91	70 - 138	7	20
4-Chlorotoluene	50.0	46.3		ug/Kg		93	70 - 136	5	20
Chlorodibromomethane	50.0	58.3		ug/Kg		117	70 - 146	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-162996/6
Matrix: Solid
Analysis Batch: 162996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 130	3	20
1,3-Dichlorobenzene	50.0	48.1		ug/Kg		96	70 - 131	4	20
1,4-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 130	4	20
1,3-Dichloropropane	50.0	50.8		ug/Kg		102	70 - 140	1	20
1,1-Dichloropropene	50.0	48.3		ug/Kg		97	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	50.0	57.4		ug/Kg		115	60 - 145	8	20
Ethylene Dibromide	50.0	55.0		ug/Kg		110	70 - 140	1	20
Dibromomethane	50.0	52.3		ug/Kg		105	70 - 139	1	20
Dichlorodifluoromethane	50.0	52.0		ug/Kg		104	37 - 158	7	20
1,1-Dichloroethane	50.0	45.0		ug/Kg		90	70 - 130	5	20
1,2-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 130	2	20
1,1-Dichloroethene	50.0	42.4		ug/Kg		85	76 - 122	5	20
cis-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	70 - 138	5	20
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	67 - 130	5	20
1,2-Dichloropropane	50.0	48.0		ug/Kg		96	73 - 127	3	20
cis-1,3-Dichloropropene	50.0	54.4		ug/Kg		109	68 - 147	3	20
trans-1,3-Dichloropropene	50.0	61.2		ug/Kg		122	70 - 136	0	20
Ethylbenzene	50.0	43.1		ug/Kg		86	80 - 137	5	20
Hexachlorobutadiene	50.0	45.7		ug/Kg		91	70 - 132	4	20
2-Hexanone	250	255		ug/Kg		102	44 - 133	9	20
Isopropylbenzene	50.0	45.9		ug/Kg		92	88 - 128	5	20
4-Isopropyltoluene	50.0	45.3		ug/Kg		91	70 - 133	6	20
Methylene Chloride	50.0	46.3		ug/Kg		93	70 - 134	3	20
4-Methyl-2-pentanone (MIBK)	250	255		ug/Kg		102	60 - 160	8	20
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147	5	20
N-Propylbenzene	50.0	45.3		ug/Kg		91	70 - 130	6	20
Styrene	50.0	51.0		ug/Kg		102	70 - 130	3	20
1,1,1,2-Tetrachloroethane	50.0	51.8		ug/Kg		104	70 - 130	3	20
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/Kg		106	70 - 146	2	20
Tetrachloroethene	50.0	48.4		ug/Kg		97	70 - 132	5	20
Toluene	50.0	45.2		ug/Kg		90	80 - 128	5	20
1,2,3-Trichlorobenzene	50.0	47.9		ug/Kg		96	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	50.1		ug/Kg		100	60 - 140	0	20
1,1,1-Trichloroethane	50.0	45.4		ug/Kg		91	70 - 130	7	20
1,1,2-Trichloroethane	50.0	52.6		ug/Kg		105	70 - 130	1	20
Trichloroethene	50.0	48.4		ug/Kg		97	70 - 133	5	20
Trichlorofluoromethane	50.0	52.6		ug/Kg		105	60 - 140	8	20
1,2,3-Trichloropropane	50.0	55.3		ug/Kg		111	70 - 146	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.3		ug/Kg		85	60 - 140	6	20
1,2,4-Trimethylbenzene	50.0	46.5		ug/Kg		93	70 - 130	6	20
1,3,5-Trimethylbenzene	50.0	46.9		ug/Kg		94	70 - 131	6	20
Vinyl acetate	50.0	59.6		ug/Kg		119	38 - 176	3	20
Vinyl chloride	50.0	42.1		ug/Kg		84	58 - 125	8	20
m-Xylene & p-Xylene	50.0	47.9		ug/Kg		96	70 - 146	4	20
o-Xylene	50.0	45.9		ug/Kg		92	70 - 140	4	20
2,2-Dichloropropane	50.0	40.2		ug/Kg		80	70 - 162	8	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-162996/6
Matrix: Solid
Analysis Batch: 162996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCSD 720-162996/8
Matrix: Solid
Analysis Batch: 162996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1030		ug/Kg		103	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	95		58 - 140

Lab Sample ID: MB 720-163060/4
Matrix: Solid
Analysis Batch: 163060

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			07/16/14 08:40	1
Acetone	ND		50		ug/Kg			07/16/14 08:40	1
Benzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Dichlorobromomethane	ND		5.0		ug/Kg			07/16/14 08:40	1
Bromobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Chlorobromomethane	ND		20		ug/Kg			07/16/14 08:40	1
Bromoform	ND		5.0		ug/Kg			07/16/14 08:40	1
Bromomethane	ND		10		ug/Kg			07/16/14 08:40	1
2-Butanone (MEK)	ND		50		ug/Kg			07/16/14 08:40	1
n-Butylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
sec-Butylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
tert-Butylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Carbon disulfide	ND		5.0		ug/Kg			07/16/14 08:40	1
Carbon tetrachloride	ND		5.0		ug/Kg			07/16/14 08:40	1
Chlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Chloroethane	ND		10		ug/Kg			07/16/14 08:40	1
Chloroform	ND		5.0		ug/Kg			07/16/14 08:40	1
Chloromethane	ND		10		ug/Kg			07/16/14 08:40	1
2-Chlorotoluene	ND		5.0		ug/Kg			07/16/14 08:40	1
4-Chlorotoluene	ND		5.0		ug/Kg			07/16/14 08:40	1
Chlorodibromomethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,3-Dichloropropane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1-Dichloropropene	ND		5.0		ug/Kg			07/16/14 08:40	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163060/4
Matrix: Solid
Analysis Batch: 163060

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/16/14 08:40	1
Ethylene Dibromide	ND		5.0		ug/Kg			07/16/14 08:40	1
Dibromomethane	ND		10		ug/Kg			07/16/14 08:40	1
Dichlorodifluoromethane	ND		10		ug/Kg			07/16/14 08:40	1
1,1-Dichloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1-Dichloroethene	ND		5.0		ug/Kg			07/16/14 08:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/16/14 08:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2-Dichloropropane	ND		5.0		ug/Kg			07/16/14 08:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			07/16/14 08:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			07/16/14 08:40	1
Ethylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Hexachlorobutadiene	ND		5.0		ug/Kg			07/16/14 08:40	1
2-Hexanone	ND		50		ug/Kg			07/16/14 08:40	1
Isopropylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
4-Isopropyltoluene	ND		5.0		ug/Kg			07/16/14 08:40	1
Methylene Chloride	ND		10		ug/Kg			07/16/14 08:40	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			07/16/14 08:40	1
Naphthalene	ND		10		ug/Kg			07/16/14 08:40	1
N-Propylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Styrene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
Tetrachloroethene	ND		5.0		ug/Kg			07/16/14 08:40	1
Toluene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
Trichloroethene	ND		5.0		ug/Kg			07/16/14 08:40	1
Trichlorofluoromethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			07/16/14 08:40	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			07/16/14 08:40	1
Vinyl acetate	ND		50		ug/Kg			07/16/14 08:40	1
Vinyl chloride	ND		5.0		ug/Kg			07/16/14 08:40	1
Xylenes, Total	ND		10		ug/Kg			07/16/14 08:40	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/16/14 08:40	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/16/14 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*		*07/16/14 08:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*		*07/16/14 08:40*	*1*
Toluene-d8 (Surr)	*102*		*58 - 140*		*07/16/14 08:40*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163060/5
Matrix: Solid
Analysis Batch: 163060

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	49.9		ug/Kg		100	70 - 144
Acetone	250	245		ug/Kg		98	30 - 162
Benzene	50.0	49.8		ug/Kg		100	70 - 130
Dichlorobromomethane	50.0	50.5		ug/Kg		101	70 - 131
Bromobenzene	50.0	46.7		ug/Kg		93	70 - 130
Chlorobromomethane	50.0	50.7		ug/Kg		101	70 - 130
Bromoform	50.0	52.1		ug/Kg		104	59 - 158
Bromomethane	50.0	46.3		ug/Kg		93	59 - 132
2-Butanone (MEK)	250	254		ug/Kg		101	53 - 124
n-Butylbenzene	50.0	51.2		ug/Kg		102	70 - 142
sec-Butylbenzene	50.0	49.0		ug/Kg		98	70 - 136
tert-Butylbenzene	50.0	47.4		ug/Kg		95	70 - 130
Carbon disulfide	50.0	44.2		ug/Kg		88	60 - 140
Carbon tetrachloride	50.0	47.4		ug/Kg		95	70 - 138
Chlorobenzene	50.0	48.9		ug/Kg		98	70 - 130
Chloroethane	50.0	44.8		ug/Kg		90	65 - 130
Chloroform	50.0	49.4		ug/Kg		99	77 - 127
Chloromethane	50.0	42.9		ug/Kg		86	55 - 140
2-Chlorotoluene	50.0	47.7		ug/Kg		95	70 - 138
4-Chlorotoluene	50.0	49.1		ug/Kg		98	70 - 136
Chlorodibromomethane	50.0	52.8		ug/Kg		106	70 - 146
1,2-Dichlorobenzene	50.0	48.0		ug/Kg		96	70 - 130
1,3-Dichlorobenzene	50.0	48.6		ug/Kg		97	70 - 131
1,4-Dichlorobenzene	50.0	48.6		ug/Kg		97	70 - 130
1,3-Dichloropropane	50.0	52.2		ug/Kg		104	70 - 140
1,1-Dichloropropene	50.0	51.7		ug/Kg		103	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.1		ug/Kg		102	60 - 145
Ethylene Dibromide	50.0	53.0		ug/Kg		106	70 - 140
Dibromomethane	50.0	51.5		ug/Kg		103	70 - 139
Dichlorodifluoromethane	50.0	43.8		ug/Kg		88	37 - 158
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	70 - 130
1,2-Dichloroethane	50.0	49.6		ug/Kg		99	70 - 130
1,1-Dichloroethene	50.0	40.8		ug/Kg		82	76 - 122
cis-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	70 - 138
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	67 - 130
1,2-Dichloropropane	50.0	51.2		ug/Kg		102	73 - 127
cis-1,3-Dichloropropene	50.0	53.9		ug/Kg		108	68 - 147
trans-1,3-Dichloropropene	50.0	58.8		ug/Kg		118	70 - 136
Ethylbenzene	50.0	49.4		ug/Kg		99	80 - 137
Hexachlorobutadiene	50.0	48.8		ug/Kg		98	70 - 132
2-Hexanone	250	281		ug/Kg		112	44 - 133
Isopropylbenzene	50.0	49.2		ug/Kg		98	88 - 128
4-Isopropyltoluene	50.0	48.8		ug/Kg		98	70 - 133
Methylene Chloride	50.0	47.3		ug/Kg		95	70 - 134
4-Methyl-2-pentanone (MIBK)	250	281		ug/Kg		113	60 - 160
Naphthalene	50.0	54.6		ug/Kg		109	60 - 147
N-Propylbenzene	50.0	49.3		ug/Kg		99	70 - 130
Styrene	50.0	51.1		ug/Kg		102	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163060/5
Matrix: Solid
Analysis Batch: 163060

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.0		ug/Kg		96	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/Kg		100	70 - 146
Tetrachloroethene	50.0	48.7		ug/Kg		97	70 - 132
Toluene	50.0	47.4		ug/Kg		95	80 - 128
1,2,3-Trichlorobenzene	50.0	50.8		ug/Kg		102	60 - 140
1,2,4-Trichlorobenzene	50.0	52.6		ug/Kg		105	60 - 140
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	70 - 130
1,1,2-Trichloroethane	50.0	52.6		ug/Kg		105	70 - 130
Trichloroethene	50.0	48.4		ug/Kg		97	70 - 133
Trichlorofluoromethane	50.0	47.2		ug/Kg		94	60 - 140
1,2,3-Trichloropropane	50.0	49.8		ug/Kg		100	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	42.0		ug/Kg		84	60 - 140
1,2,4-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 131
Vinyl acetate	50.0	69.6		ug/Kg		139	38 - 176
Vinyl chloride	50.0	45.3		ug/Kg		91	58 - 125
m-Xylene & p-Xylene	50.0	49.6		ug/Kg		99	70 - 146
o-Xylene	50.0	50.2		ug/Kg		100	70 - 140
2,2-Dichloropropane	50.0	56.2		ug/Kg		112	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: LCS 720-163060/7
Matrix: Solid
Analysis Batch: 163060

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1070		ug/Kg		107	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCSD 720-163060/6
Matrix: Solid
Analysis Batch: 163060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	52.4		ug/Kg		105	70 - 144	5	20
Acetone	250	238		ug/Kg		95	30 - 162	3	30
Benzene	50.0	51.8		ug/Kg		104	70 - 130	4	20
Dichlorobromomethane	50.0	52.5		ug/Kg		105	70 - 131	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163060/6
Matrix: Solid
Analysis Batch: 163060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	50.0	48.6		ug/Kg		97	70 - 130	4	20
Chlorobromomethane	50.0	51.8		ug/Kg		104	70 - 130	2	20
Bromoform	50.0	53.4		ug/Kg		107	59 - 158	2	20
Bromomethane	50.0	45.9		ug/Kg		92	59 - 132	1	20
2-Butanone (MEK)	250	251		ug/Kg		100	53 - 124	1	20
n-Butylbenzene	50.0	53.4		ug/Kg		107	70 - 142	4	20
sec-Butylbenzene	50.0	51.0		ug/Kg		102	70 - 136	4	20
tert-Butylbenzene	50.0	49.2		ug/Kg		98	70 - 130	4	20
Carbon disulfide	50.0	45.5		ug/Kg		91	60 - 140	3	20
Carbon tetrachloride	50.0	49.1		ug/Kg		98	70 - 138	3	20
Chlorobenzene	50.0	50.2		ug/Kg		100	70 - 130	3	20
Chloroethane	50.0	44.4		ug/Kg		89	65 - 130	1	20
Chloroform	50.0	51.1		ug/Kg		102	77 - 127	3	20
Chloromethane	50.0	43.3		ug/Kg		87	55 - 140	1	20
2-Chlorotoluene	50.0	49.6		ug/Kg		99	70 - 138	4	20
4-Chlorotoluene	50.0	51.0		ug/Kg		102	70 - 136	4	20
Chlorodibromomethane	50.0	54.6		ug/Kg		109	70 - 146	3	20
1,2-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 130	4	20
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	70 - 131	4	20
1,4-Dichlorobenzene	50.0	50.4		ug/Kg		101	70 - 130	4	20
1,3-Dichloropropane	50.0	53.2		ug/Kg		106	70 - 140	2	20
1,1-Dichloropropene	50.0	53.6		ug/Kg		107	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	50.0	51.6		ug/Kg		103	60 - 145	1	20
Ethylene Dibromide	50.0	54.5		ug/Kg		109	70 - 140	3	20
Dibromomethane	50.0	52.6		ug/Kg		105	70 - 139	2	20
Dichlorodifluoromethane	50.0	43.8		ug/Kg		88	37 - 158	0	20
1,1-Dichloroethane	50.0	50.9		ug/Kg		102	70 - 130	4	20
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	70 - 130	3	20
1,1-Dichloroethene	50.0	42.6		ug/Kg		85	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	51.1		ug/Kg		102	70 - 138	4	20
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	67 - 130	3	20
1,2-Dichloropropane	50.0	52.8		ug/Kg		106	73 - 127	3	20
cis-1,3-Dichloropropene	50.0	56.3		ug/Kg		113	68 - 147	4	20
trans-1,3-Dichloropropene	50.0	61.1		ug/Kg		122	70 - 136	4	20
Ethylbenzene	50.0	51.3		ug/Kg		103	80 - 137	4	20
Hexachlorobutadiene	50.0	50.5		ug/Kg		101	70 - 132	4	20
2-Hexanone	250	275		ug/Kg		110	44 - 133	2	20
Isopropylbenzene	50.0	51.1		ug/Kg		102	88 - 128	4	20
4-Isopropyltoluene	50.0	50.6		ug/Kg		101	70 - 133	4	20
Methylene Chloride	50.0	49.3		ug/Kg		99	70 - 134	4	20
4-Methyl-2-pentanone (MIBK)	250	276		ug/Kg		110	60 - 160	2	20
Naphthalene	50.0	56.5		ug/Kg		113	60 - 147	3	20
N-Propylbenzene	50.0	50.9		ug/Kg		102	70 - 130	3	20
Styrene	50.0	53.0		ug/Kg		106	70 - 130	4	20
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/Kg		100	70 - 130	4	20
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	70 - 146	2	20
Tetrachloroethene	50.0	50.2		ug/Kg		100	70 - 132	3	20
Toluene	50.0	49.3		ug/Kg		99	80 - 128	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163060/6
Matrix: Solid
Analysis Batch: 163060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	50.0	52.3		ug/Kg		105	60 - 140	3	20
1,2,4-Trichlorobenzene	50.0	54.2		ug/Kg		108	60 - 140	3	20
1,1,1-Trichloroethane	50.0	49.9		ug/Kg		100	70 - 130	2	20
1,1,2-Trichloroethane	50.0	54.4		ug/Kg		109	70 - 130	3	20
Trichloroethene	50.0	49.6		ug/Kg		99	70 - 133	2	20
Trichlorofluoromethane	50.0	46.7		ug/Kg		93	60 - 140	1	20
1,2,3-Trichloropropane	50.0	51.0		ug/Kg		102	70 - 146	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.5		ug/Kg		87	60 - 140	4	20
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 130	4	20
1,3,5-Trimethylbenzene	50.0	51.5		ug/Kg		103	70 - 131	4	20
Vinyl acetate	50.0	69.6		ug/Kg		139	38 - 176	0	20
Vinyl chloride	50.0	44.3		ug/Kg		89	58 - 125	2	20
m-Xylene & p-Xylene	50.0	51.2		ug/Kg		102	70 - 146	3	20
o-Xylene	50.0	52.3		ug/Kg		105	70 - 140	4	20
2,2-Dichloropropane	50.0	55.3		ug/Kg		111	70 - 162	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: LCSD 720-163060/8
Matrix: Solid
Analysis Batch: 163060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1060		ug/Kg		106	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: MB 720-163164/4
Matrix: Water
Analysis Batch: 163164

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/17/14 08:47	1
Acetone	ND		50		ug/L			07/17/14 08:47	1
Benzene	ND		0.50		ug/L			07/17/14 08:47	1
Dichlorobromomethane	ND		0.50		ug/L			07/17/14 08:47	1
Bromobenzene	ND		1.0		ug/L			07/17/14 08:47	1
Chlorobromomethane	ND		1.0		ug/L			07/17/14 08:47	1
Bromoform	ND		1.0		ug/L			07/17/14 08:47	1
Bromomethane	ND		1.0		ug/L			07/17/14 08:47	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163164/4
Matrix: Water
Analysis Batch: 163164

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		50		ug/L			07/17/14 08:47	1
n-Butylbenzene	ND		1.0		ug/L			07/17/14 08:47	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/14 08:47	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/14 08:47	1
Carbon disulfide	ND		5.0		ug/L			07/17/14 08:47	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/14 08:47	1
Chlorobenzene	ND		0.50		ug/L			07/17/14 08:47	1
Chloroethane	ND		1.0		ug/L			07/17/14 08:47	1
Chloroform	ND		1.0		ug/L			07/17/14 08:47	1
Chloromethane	ND		1.0		ug/L			07/17/14 08:47	1
2-Chlorotoluene	ND		0.50		ug/L			07/17/14 08:47	1
4-Chlorotoluene	ND		0.50		ug/L			07/17/14 08:47	1
Chlorodibromomethane	ND		0.50		ug/L			07/17/14 08:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/17/14 08:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/17/14 08:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/17/14 08:47	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/14 08:47	1
1,1-Dichloropropene	ND		0.50		ug/L			07/17/14 08:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/17/14 08:47	1
Ethylene Dibromide	ND		0.50		ug/L			07/17/14 08:47	1
Dibromomethane	ND		0.50		ug/L			07/17/14 08:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/17/14 08:47	1
1,1-Dichloroethane	ND		0.50		ug/L			07/17/14 08:47	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/14 08:47	1
1,1-Dichloroethene	ND		0.50		ug/L			07/17/14 08:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 08:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/17/14 08:47	1
1,2-Dichloropropane	ND		0.50		ug/L			07/17/14 08:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 08:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/14 08:47	1
Ethylbenzene	ND		0.50		ug/L			07/17/14 08:47	1
Hexachlorobutadiene	ND		1.0		ug/L			07/17/14 08:47	1
2-Hexanone	ND		50		ug/L			07/17/14 08:47	1
Isopropylbenzene	ND		0.50		ug/L			07/17/14 08:47	1
4-Isopropyltoluene	ND		1.0		ug/L			07/17/14 08:47	1
Methylene Chloride	ND		5.0		ug/L			07/17/14 08:47	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/17/14 08:47	1
Naphthalene	ND		1.0		ug/L			07/17/14 08:47	1
N-Propylbenzene	ND		1.0		ug/L			07/17/14 08:47	1
Styrene	ND		0.50		ug/L			07/17/14 08:47	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 08:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/17/14 08:47	1
Tetrachloroethene	ND		0.50		ug/L			07/17/14 08:47	1
Toluene	ND		0.50		ug/L			07/17/14 08:47	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/14 08:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/14 08:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/17/14 08:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/17/14 08:47	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163164/4
Matrix: Water
Analysis Batch: 163164

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.50		ug/L			07/17/14 08:47	1
Trichlorofluoromethane	ND		1.0		ug/L			07/17/14 08:47	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/17/14 08:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/17/14 08:47	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/17/14 08:47	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/17/14 08:47	1
Vinyl acetate	ND		10		ug/L			07/17/14 08:47	1
Vinyl chloride	ND		0.50		ug/L			07/17/14 08:47	1
Xylenes, Total	ND		1.0		ug/L			07/17/14 08:47	1
2,2-Dichloropropane	ND		0.50		ug/L			07/17/14 08:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/14 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*67 - 130*		*07/17/14 08:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*		*07/17/14 08:47*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/17/14 08:47*	*1*

Lab Sample ID: LCS 720-163164/5
Matrix: Water
Analysis Batch: 163164

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.5		ug/L		98	62 - 130
Acetone	125	97.9		ug/L		78	26 - 180
Benzene	25.0	24.1		ug/L		97	79 - 130
Dichlorobromomethane	25.0	24.5		ug/L		98	70 - 130
Bromobenzene	25.0	24.7		ug/L		99	70 - 130
Chlorobromomethane	25.0	25.6		ug/L		103	70 - 130
Bromoform	25.0	27.3		ug/L		109	68 - 136
Bromomethane	25.0	25.3		ug/L		101	43 - 151
2-Butanone (MEK)	125	116		ug/L		93	54 - 130
n-Butylbenzene	25.0	25.6		ug/L		102	70 - 142
sec-Butylbenzene	25.0	25.6		ug/L		103	70 - 134
tert-Butylbenzene	25.0	24.9		ug/L		100	70 - 135
Carbon disulfide	25.0	24.1		ug/L		96	58 - 130
Carbon tetrachloride	25.0	27.5		ug/L		110	70 - 146
Chlorobenzene	25.0	24.8		ug/L		99	70 - 130
Chloroethane	25.0	23.9		ug/L		96	62 - 138
Chloroform	25.0	23.1		ug/L		92	70 - 130
Chloromethane	25.0	22.6		ug/L		90	52 - 175
2-Chlorotoluene	25.0	23.2		ug/L		93	70 - 130
4-Chlorotoluene	25.0	23.2		ug/L		93	70 - 130
Chlorodibromomethane	25.0	27.4		ug/L		110	70 - 145
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	25.0	26.6		ug/L		106	70 - 130
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130
1,3-Dichloropropane	25.0	23.5		ug/L		94	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163164/5
Matrix: Water
Analysis Batch: 163164

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	25.0	25.6		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.3		ug/L		97	70 - 136
Ethylene Dibromide	25.0	24.6		ug/L		98	70 - 130
Dibromomethane	25.0	23.4		ug/L		94	70 - 130
Dichlorodifluoromethane	25.0	21.5		ug/L		86	34 - 132
1,1-Dichloroethane	25.0	23.4		ug/L		93	70 - 130
1,2-Dichloroethane	25.0	21.8		ug/L		87	61 - 132
1,1-Dichloroethene	25.0	22.6		ug/L		90	64 - 128
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	70 - 130
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	68 - 130
1,2-Dichloropropane	25.0	24.1		ug/L		96	70 - 130
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 130
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 140
Ethylbenzene	25.0	24.7		ug/L		99	80 - 120
Hexachlorobutadiene	25.0	29.0		ug/L		116	70 - 130
2-Hexanone	125	111		ug/L		89	60 - 164
Isopropylbenzene	25.0	26.2		ug/L		105	70 - 130
4-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130
Methylene Chloride	25.0	23.4		ug/L		94	70 - 147
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	58 - 130
Naphthalene	25.0	25.1		ug/L		100	70 - 130
N-Propylbenzene	25.0	24.2		ug/L		97	70 - 130
Styrene	25.0	26.9		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	70 - 130
Tetrachloroethene	25.0	28.1		ug/L		113	70 - 130
Toluene	25.0	24.0		ug/L		96	78 - 120
1,2,3-Trichlorobenzene	25.0	26.7		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	25.0	28.5		ug/L		114	70 - 130
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	70 - 130
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	70 - 130
Trichloroethene	25.0	26.6		ug/L		106	70 - 130
Trichlorofluoromethane	25.0	23.6		ug/L		94	66 - 132
1,2,3-Trichloropropane	25.0	21.5		ug/L		86	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.4		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130
Vinyl acetate	25.0	29.2		ug/L		117	43 - 163
Vinyl chloride	25.0	22.3		ug/L		89	54 - 135
m-Xylene & p-Xylene	25.0	24.6		ug/L		98	70 - 142
o-Xylene	25.0	25.1		ug/L		100	70 - 130
2,2-Dichloropropane	25.0	27.9		ug/L		112	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163164/7
Matrix: Water
Analysis Batch: 163164

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	487		ug/L		97	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*72 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 720-163164/6
Matrix: Water
Analysis Batch: 163164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.7		ug/L		103	62 - 130	5	20
Acetone	125	108		ug/L		86	26 - 180	10	30
Benzene	25.0	23.8		ug/L		95	79 - 130	2	20
Dichlorobromomethane	25.0	24.7		ug/L		99	70 - 130	1	20
Bromobenzene	25.0	24.6		ug/L		98	70 - 130	1	20
Chlorobromomethane	25.0	25.7		ug/L		103	70 - 130	0	20
Bromoform	25.0	28.1		ug/L		112	68 - 136	3	20
Bromomethane	25.0	23.5		ug/L		94	43 - 151	7	20
2-Butanone (MEK)	125	126		ug/L		101	54 - 130	8	20
n-Butylbenzene	25.0	24.8		ug/L		99	70 - 142	3	20
sec-Butylbenzene	25.0	24.7		ug/L		99	70 - 134	4	20
tert-Butylbenzene	25.0	24.3		ug/L		97	70 - 135	2	20
Carbon disulfide	25.0	23.4		ug/L		94	58 - 130	3	20
Carbon tetrachloride	25.0	26.9		ug/L		107	70 - 146	2	20
Chlorobenzene	25.0	24.4		ug/L		98	70 - 130	2	20
Chloroethane	25.0	22.1		ug/L		88	62 - 138	8	20
Chloroform	25.0	22.9		ug/L		91	70 - 130	1	20
Chloromethane	25.0	21.0		ug/L		84	52 - 175	7	20
2-Chlorotoluene	25.0	22.6		ug/L		90	70 - 130	2	20
4-Chlorotoluene	25.0	22.8		ug/L		91	70 - 130	2	20
Chlorodibromomethane	25.0	28.0		ug/L		112	70 - 145	2	20
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	0	20
1,3-Dichloropropane	25.0	23.9		ug/L		95	70 - 130	2	20
1,1-Dichloropropene	25.0	24.9		ug/L		100	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	27.4		ug/L		110	70 - 136	12	20
Ethylene Dibromide	25.0	25.1		ug/L		100	70 - 130	2	20
Dibromomethane	25.0	24.0		ug/L		96	70 - 130	2	20
Dichlorodifluoromethane	25.0	20.1		ug/L		80	34 - 132	7	20
1,1-Dichloroethane	25.0	23.0		ug/L		92	70 - 130	1	20
1,2-Dichloroethane	25.0	22.1		ug/L		88	61 - 132	1	20
1,1-Dichloroethene	25.0	22.0		ug/L		88	64 - 128	3	20
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	68 - 130	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163164/6
Matrix: Water
Analysis Batch: 163164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	25.0	23.8		ug/L		95	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	70 - 130	0	20
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	70 - 140	2	20
Ethylbenzene	25.0	24.0		ug/L		96	80 - 120	3	20
Hexachlorobutadiene	25.0	28.4		ug/L		114	70 - 130	2	20
2-Hexanone	125	121		ug/L		97	60 - 164	8	20
Isopropylbenzene	25.0	24.9		ug/L		99	70 - 130	5	20
4-Isopropyltoluene	25.0	25.0		ug/L		100	70 - 130	4	20
Methylene Chloride	25.0	23.3		ug/L		93	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	58 - 130	8	20
Naphthalene	25.0	26.8		ug/L		107	70 - 130	6	20
N-Propylbenzene	25.0	23.3		ug/L		93	70 - 130	4	20
Styrene	25.0	26.2		ug/L		105	70 - 130	3	20
1,1,1,2-Tetrachloroethane	25.0	27.3		ug/L		109	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130	4	20
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130	3	20
Toluene	25.0	23.6		ug/L		94	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	27.6		ug/L		110	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	28.6		ug/L		114	70 - 130	1	20
1,1,1-Trichloroethane	25.0	23.8		ug/L		95	70 - 130	3	20
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	70 - 130	2	20
Trichloroethene	25.0	26.1		ug/L		105	70 - 130	2	20
Trichlorofluoromethane	25.0	22.8		ug/L		91	66 - 132	3	20
1,2,3-Trichloropropane	25.0	22.7		ug/L		91	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	24.4		ug/L		98	42 - 162	4	20
1,2,4-Trimethylbenzene	25.0	24.1		ug/L		96	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	24.0		ug/L		96	70 - 130	3	20
Vinyl acetate	25.0	31.2		ug/L		125	43 - 163	7	20
Vinyl chloride	25.0	20.8		ug/L		83	54 - 135	7	20
m-Xylene & p-Xylene	25.0	23.8		ug/L		95	70 - 142	3	20
o-Xylene	25.0	24.1		ug/L		96	70 - 130	4	20
2,2-Dichloropropane	25.0	25.9		ug/L		104	70 - 140	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*90*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-163164/8
Matrix: Water
Analysis Batch: 163164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	467		ug/L		93	62 - 120	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163164/8
Matrix: Water
Analysis Batch: 163164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*72 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 720-163178/1-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/18/14 01:31	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		07/17/14 09:50	07/18/14 01:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 5*	*07/17/14 09:50*	*07/18/14 01:31*	*1*
p-Terphenyl	*75*		*31 - 150*	*07/17/14 09:50*	*07/18/14 01:31*	*1*

Lab Sample ID: LCS 720-163178/2-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1770		ug/L		71	32 - 119		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*92*		*31 - 150*

Lab Sample ID: LCSD 720-163178/3-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1740		ug/L		69	32 - 119	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*100*		*31 - 150*

Lab Sample ID: MB 720-163263/1-A
Matrix: Solid
Analysis Batch: 163250

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 09:30	07/19/14 00:01	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 09:30	07/19/14 00:01	1

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

Lab Sample ID: MB 720-163263/1-A
Matrix: Solid
Analysis Batch: 163250

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163263

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 1	07/18/14 09:30	07/19/14 00:01	1
p-Terphenyl	102		38 - 148	07/18/14 09:30	07/19/14 00:01	1

Lab Sample ID: LCS 720-163263/2-A
Matrix: Solid
Analysis Batch: 163250

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.9	54.1		mg/Kg		65	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	106		38 - 148

Lab Sample ID: LCSD 720-163263/3-A
Matrix: Solid
Analysis Batch: 163250

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 163263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.2	48.0		mg/Kg		58	36 - 112	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	100		38 - 148

Lab Sample ID: MB 720-163273/1-A
Matrix: Solid
Analysis Batch: 163253

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 11:59	07/19/14 04:26	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 11:59	07/19/14 04:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.001		0 - 1	07/18/14 11:59	07/19/14 04:26	1
p-Terphenyl	93		38 - 148	07/18/14 11:59	07/19/14 04:26	1

Lab Sample ID: LCS 720-163273/2-A
Matrix: Solid
Analysis Batch: 163253

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.5	53.7		mg/Kg		65	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	109		38 - 148

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

Lab Sample ID: LCSD 720-163273/3-A
Matrix: Solid
Analysis Batch: 163253

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 163273

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.2	49.7		mg/Kg		60	36 - 112	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*108*		*38 - 148*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-163173/1-A
Matrix: Solid
Analysis Batch: 163294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 163173

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Dieldrin	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endrin aldehyde	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endrin	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endrin ketone	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Heptachlor	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Heptachlor epoxide	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
4,4'-DDT	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
4,4'-DDE	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
4,4'-DDD	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endosulfan I	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endosulfan II	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
alpha-BHC	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
beta-BHC	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
delta-BHC	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Endosulfan sulfate	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Methoxychlor	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Toxaphene	ND		40		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
Chlordane (technical)	ND		40		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
alpha-Chlordane	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1
gamma-Chlordane	ND		2.0		ug/Kg		07/17/14 09:11	07/18/14 18:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*57 - 122*	*07/17/14 09:11*	*07/18/14 18:01*	*1*
DCB Decachlorobiphenyl	*116*		*21 - 136*	*07/17/14 09:11*	*07/18/14 18:01*	*1*

Lab Sample ID: LCS 720-163173/2-A
Matrix: Solid
Analysis Batch: 163294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163173

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aldrin			16.6	12.9		ug/Kg		78	65 - 120		
Dieldrin			16.6	15.0		ug/Kg		91	72 - 120		

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-163173/2-A
Matrix: Solid
Analysis Batch: 163294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin aldehyde	16.6	17.3		ug/Kg		104	68 - 120
Endrin	16.6	15.3		ug/Kg		92	68 - 120
Endrin ketone	16.6	17.1		ug/Kg		103	67 - 120
Heptachlor	16.6	11.7		ug/Kg		71	69 - 120
Heptachlor epoxide	16.6	14.0		ug/Kg		84	68 - 120
4,4'-DDT	16.6	16.4		ug/Kg		99	63 - 127
4,4'-DDE	16.6	15.9		ug/Kg		96	70 - 120
4,4'-DDD	16.6	17.8		ug/Kg		107	69 - 120
Endosulfan I	16.6	14.2		ug/Kg		85	62 - 120
Endosulfan II	16.6	16.6		ug/Kg		100	65 - 120
alpha-BHC	16.6	11.8		ug/Kg		71	62 - 120
beta-BHC	16.6	14.4		ug/Kg		87	74 - 124
gamma-BHC (Lindane)	16.6	12.2		ug/Kg		74	72 - 120
delta-BHC	16.6	10.3		ug/Kg		62	43 - 125
Endosulfan sulfate	16.6	16.5		ug/Kg		99	67 - 120
Methoxychlor	16.6	18.1		ug/Kg		109	71 - 132
alpha-Chlordane	16.6	14.6		ug/Kg		88	70 - 120
gamma-Chlordane	16.6	14.2		ug/Kg		86	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*78*		*57 - 122*
DCB Decachlorobiphenyl	*114*		*21 - 136*

Lab Sample ID: LCSD 720-163173/3-A
Matrix: Solid
Analysis Batch: 163294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 163173

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	16.4	15.1		ug/Kg		92	65 - 120	16	20
Dieldrin	16.4	17.1		ug/Kg		104	72 - 120	13	20
Endrin aldehyde	16.4	17.7		ug/Kg		107	68 - 120	2	20
Endrin	16.4	16.8		ug/Kg		102	68 - 120	9	20
Endrin ketone	16.4	17.2		ug/Kg		104	67 - 120	0	20
Heptachlor	16.4	13.9		ug/Kg		84	69 - 120	17	20
Heptachlor epoxide	16.4	16.2		ug/Kg		99	68 - 120	15	20
4,4'-DDT	16.4	16.3		ug/Kg		99	63 - 127	1	20
4,4'-DDE	16.4	17.8		ug/Kg		109	70 - 120	11	20
4,4'-DDD	16.4	18.7		ug/Kg		114	69 - 120	5	20
Endosulfan I	16.4	16.5		ug/Kg		101	62 - 120	15	20
Endosulfan II	16.4	17.1		ug/Kg		104	65 - 120	3	35
alpha-BHC	16.4	14.1		ug/Kg		86	62 - 120	18	20
beta-BHC	16.4	16.0		ug/Kg		97	74 - 124	10	20
gamma-BHC (Lindane)	16.4	14.6		ug/Kg		89	72 - 120	18	20
delta-BHC	16.4	11.6		ug/Kg		71	43 - 125	12	20
Endosulfan sulfate	16.4	16.9		ug/Kg		103	67 - 120	2	20
Methoxychlor	16.4	17.6		ug/Kg		107	71 - 132	3	20
alpha-Chlordane	16.4	16.6		ug/Kg		101	70 - 120	13	20
gamma-Chlordane	16.4	16.4		ug/Kg		100	68 - 120	14	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-163173/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163294 — **Prep Batch: 163173**

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*57 - 122*
DCB Decachlorobiphenyl	*111*		*21 - 136*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-194383/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194499 — **Prep Batch: 194383**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		07/16/14 15:59	07/17/14 12:20	10

Lab Sample ID: LCS 440-194383/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194499 — **Prep Batch: 194383**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	16.1	15.3		mg/Kg		95	80 - 120

Lab Sample ID: MRL 440-194806/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194806

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	1.00	ND		ug/L		96	50 - 150

Lab Sample ID: MB 440-194387/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 194806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.0		ug/L			07/18/14 20:44	1

Lab Sample ID: LCS 440-194387/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 194806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	50.0	51.4		ug/L		103	90 - 110

Lab Sample ID: 720-58628-1 MS — **Client Sample ID: CEG-1(0-1/2)**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 194806

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	4.5		50.0	55.5		ug/L		102	85 - 115

Method: 7199 - Chromium, Hexavalent (IC) (Continued)

Lab Sample ID: 720-58628-1 MSD — **Client Sample ID: CEG-1(0-1/2)**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 194806

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	4.5		50.0	54.9		ug/L		101	85 - 115	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-163101/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163290 — **Prep Batch: 163101**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Arsenic	ND		1.0		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Barium	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Beryllium	ND		0.10		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Cadmium	ND		0.13		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Chromium	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Cobalt	ND		0.20		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Copper	ND		1.5		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Lead	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Molybdenum	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Nickel	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Selenium	ND		1.0		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Silver	ND		0.25		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Vanadium	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 09:50	1
Zinc	ND		1.5		mg/Kg		07/16/14 13:49	07/18/14 09:50	1

Lab Sample ID: MB 720-163101/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163352 — **Prep Batch: 163101**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.50		mg/Kg		07/16/14 13:49	07/18/14 20:47	1

Lab Sample ID: LCS 720-163101/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163290 — **Prep Batch: 163101**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	44.9		mg/Kg		90	80 - 120
Arsenic	50.0	45.6		mg/Kg		91	80 - 120
Barium	50.0	49.2		mg/Kg		98	80 - 120
Beryllium	50.0	50.1		mg/Kg		100	80 - 120
Cadmium	50.0	45.4		mg/Kg		91	80 - 120
Chromium	50.0	49.0		mg/Kg		98	80 - 120
Cobalt	50.0	47.5		mg/Kg		95	80 - 120
Copper	50.0	49.0		mg/Kg		98	80 - 120
Lead	50.0	45.8		mg/Kg		92	80 - 120
Molybdenum	50.0	47.4		mg/Kg		95	80 - 120
Nickel	50.0	45.9		mg/Kg		92	80 - 120

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

Lab Sample ID: LCS 720-163101/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163290 — **Prep Batch: 163101**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	50.0	45.1		mg/Kg		90	80 - 120
Silver	25.0	23.4		mg/Kg		94	80 - 120
Vanadium	50.0	47.0		mg/Kg		94	80 - 120
Zinc	50.0	46.3		mg/Kg		93	80 - 120

Lab Sample ID: LCS 720-163101/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163352 — **Prep Batch: 163101**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	48.3		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-163101/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163290 — **Prep Batch: 163101**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	43.2		mg/Kg		86	80 - 120	4	20
Arsenic	50.0	43.9		mg/Kg		88	80 - 120	4	20
Barium	50.0	46.8		mg/Kg		94	80 - 120	5	20
Beryllium	50.0	47.2		mg/Kg		94	80 - 120	6	20
Cadmium	50.0	43.3		mg/Kg		87	80 - 120	5	20
Chromium	50.0	46.4		mg/Kg		93	80 - 120	6	20
Cobalt	50.0	45.3		mg/Kg		91	80 - 120	5	20
Copper	50.0	46.5		mg/Kg		93	80 - 120	5	20
Lead	50.0	43.9		mg/Kg		88	80 - 120	4	20
Molybdenum	50.0	45.7		mg/Kg		91	80 - 120	4	20
Nickel	50.0	44.0		mg/Kg		88	80 - 120	4	20
Selenium	50.0	43.2		mg/Kg		86	80 - 120	4	20
Silver	25.0	22.4		mg/Kg		89	80 - 120	5	20
Vanadium	50.0	44.8		mg/Kg		90	80 - 120	5	20
Zinc	50.0	44.2		mg/Kg		88	80 - 120	5	20

Lab Sample ID: LCSD 720-163101/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163352 — **Prep Batch: 163101**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	50.0	44.8		mg/Kg		90	80 - 120	8	20

Lab Sample ID: LCSSRM 720-163101/25-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163290 — **Prep Batch: 163101**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	38.4		mg/Kg		51	11 - 101
Arsenic	45.5	39.9		mg/Kg		88	69 - 119
Barium	579	558		mg/Kg		96	61 - 117
Beryllium	155	147		mg/Kg		95	56 - 102

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

Lab Sample ID: LCSSRM 720-163101/25-A
Matrix: Solid
Analysis Batch: 163290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163101

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	201	168		mg/Kg		84	67 - 118
Chromium	106	95.9		mg/Kg		91	67 - 121
Cobalt	247	217		mg/Kg		88	64 - 133
Copper	130	122		mg/Kg		94	68 - 126
Lead	302	240		mg/Kg		80	62 - 113
Molybdenum	165	138		mg/Kg		83	62 - 128
Nickel	305	252		mg/Kg		83	65 - 117
Selenium	133	119		mg/Kg		89	63 - 126
Silver	33.5	29.4		mg/Kg		88	51 - 130
Vanadium	214	188		mg/Kg		88	67 - 123
Zinc	388	323		mg/Kg		83	62 - 110

Lab Sample ID: LCSSRM 720-163101/25-A
Matrix: Solid
Analysis Batch: 163352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163101

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	191	175		mg/Kg		92	64 - 124

Lab Sample ID: MB 720-163265/1-A
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 163265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Arsenic	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Barium	ND		0.0050		mg/L		07/18/14 10:43	07/19/14 00:42	1
Beryllium	ND		0.0020		mg/L		07/18/14 10:43	07/19/14 00:42	1
Cadmium	ND		0.0020		mg/L		07/18/14 10:43	07/19/14 00:42	1
Chromium	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Cobalt	ND		0.0020		mg/L		07/18/14 10:43	07/19/14 00:42	1
Copper	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:42	1
Lead	ND		0.0050		mg/L		07/18/14 10:43	07/19/14 00:42	1
Molybdenum	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Nickel	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Selenium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:42	1
Silver	ND		0.0050		mg/L		07/18/14 10:43	07/19/14 00:42	1
Thallium	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Vanadium	ND		0.010		mg/L		07/18/14 10:43	07/19/14 00:42	1
Zinc	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:42	1

Lab Sample ID: LCS 720-163265/2-A
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 163265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	0.890		mg/L		89	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	0.883		mg/L		88	80 - 120

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

Lab Sample ID: LCS 720-163265/2-A
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 163265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	1.00	0.978		mg/L		98	80 - 120
Cadmium	1.00	0.930		mg/L		93	80 - 120
Chromium	1.00	0.954		mg/L		95	80 - 120
Cobalt	1.00	0.920		mg/L		92	80 - 120
Copper	1.00	0.971		mg/L		97	80 - 120
Lead	1.00	1.02		mg/L		102	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Nickel	1.00	0.967		mg/L		97	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.500	0.450		mg/L		90	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	1.00	0.853		mg/L		85	80 - 120
Zinc	1.00	0.899		mg/L		90	80 - 120

Lab Sample ID: LCSD 720-163265/3-A
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 163265

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1.00	0.897		mg/L		90	80 - 120	1	20
Arsenic	1.00	1.02		mg/L		102	80 - 120	1	20
Barium	1.00	0.897		mg/L		90	80 - 120	2	20
Beryllium	1.00	0.993		mg/L		99	80 - 120	1	20
Cadmium	1.00	0.936		mg/L		94	80 - 120	1	20
Chromium	1.00	0.966		mg/L		97	80 - 120	1	20
Cobalt	1.00	0.927		mg/L		93	80 - 120	1	20
Copper	1.00	0.974		mg/L		97	80 - 120	0	20
Lead	1.00	1.02		mg/L		102	80 - 120	1	20
Molybdenum	1.00	1.01		mg/L		101	80 - 120	1	20
Nickel	1.00	0.973		mg/L		97	80 - 120	1	20
Selenium	1.00	1.01		mg/L		101	80 - 120	0	20
Silver	0.500	0.455		mg/L		91	80 - 120	1	20
Thallium	1.00	1.03		mg/L		103	80 - 120	1	20
Vanadium	1.00	0.866		mg/L		87	80 - 120	2	20
Zinc	1.00	0.908		mg/L		91	80 - 120	1	20

Lab Sample ID: LB4 720-163078/1-B
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Method Blank
Prep Type: STLC DI
Prep Batch: 163265

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Arsenic	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Barium	ND		0.050		mg/L		07/18/14 10:43	07/19/14 00:47	1
Beryllium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:47	1
Cadmium	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:47	1
Chromium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Cobalt	ND		0.020		mg/L		07/18/14 10:43	07/19/14 00:47	1
Copper	ND		0.20		mg/L		07/18/14 10:43	07/19/14 00:47	1

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

Lab Sample ID: LB4 720-163078/1-B
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: Method Blank
Prep Type: STLC DI
Prep Batch: 163265

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		07/18/14 10:43	07/19/14 00:47	1
Molybdenum	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Nickel	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Selenium	ND		0.20		mg/L		07/18/14 10:43	07/19/14 00:47	1
Silver	ND		0.050		mg/L		07/18/14 10:43	07/19/14 00:47	1
Thallium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Vanadium	ND		0.10		mg/L		07/18/14 10:43	07/19/14 00:47	1
Zinc	ND		0.20		mg/L		07/18/14 10:43	07/19/14 00:47	1

Lab Sample ID: 720-58628-1 MS
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: CEG-1(0-1/2)
Prep Type: STLC DI
Prep Batch: 163265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		10.0	9.01		mg/L		89	75 - 125
Arsenic	ND		10.0	10.2		mg/L		102	75 - 125
Barium	0.18		10.0	9.23		mg/L		90	75 - 125
Beryllium	ND		10.0	9.95		mg/L		99	75 - 125
Cadmium	ND		10.0	9.33		mg/L		93	75 - 125
Chromium	ND		10.0	9.71		mg/L		97	75 - 125
Cobalt	ND		10.0	9.25		mg/L		92	75 - 125
Copper	ND		10.0	9.76		mg/L		98	75 - 125
Lead	ND		10.0	10.2		mg/L		102	75 - 125
Molybdenum	0.18		10.0	10.3		mg/L		101	75 - 125
Nickel	ND		10.0	9.74		mg/L		97	75 - 125
Selenium	ND		10.0	10.0		mg/L		100	75 - 125
Silver	ND		5.00	4.56		mg/L		91	75 - 125
Thallium	ND		10.0	10.2		mg/L		102	75 - 125
Vanadium	ND		10.0	8.79		mg/L		87	75 - 125
Zinc	ND		10.0	9.16		mg/L		90	75 - 125

Lab Sample ID: 720-58628-1 MSD
Matrix: Solid
Analysis Batch: 163354

Client Sample ID: CEG-1(0-1/2)
Prep Type: STLC DI
Prep Batch: 163265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		10.0	9.00		mg/L		89	75 - 125	0	20
Arsenic	ND		10.0	10.1		mg/L		101	75 - 125	1	20
Barium	0.18		10.0	9.10		mg/L		89	75 - 125	1	20
Beryllium	ND		10.0	9.84		mg/L		98	75 - 125	1	20
Cadmium	ND		10.0	9.29		mg/L		93	75 - 125	0	20
Chromium	ND		10.0	9.65		mg/L		96	75 - 125	1	20
Cobalt	ND		10.0	9.22		mg/L		92	75 - 125	0	20
Copper	ND		10.0	9.71		mg/L		97	75 - 125	0	20
Lead	ND		10.0	10.2		mg/L		101	75 - 125	0	20
Molybdenum	0.18		10.0	10.2		mg/L		101	75 - 125	0	20
Nickel	ND		10.0	9.69		mg/L		97	75 - 125	1	20
Selenium	ND		10.0	10.0		mg/L		100	75 - 125	0	20
Silver	ND		5.00	4.54		mg/L		91	75 - 125	0	20

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

Lab Sample ID: 720-58628-1 MSD — **Client Sample ID: CEG-1(0-1/2)**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 163354 — **Prep Batch: 163265**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	ND		10.0	10.2		mg/L		102	75 - 125	0	20
Vanadium	ND		10.0	8.74		mg/L		87	75 - 125	1	20
Zinc	ND		10.0	9.11		mg/L		90	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-163368/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00025		mg/L		07/21/14 10:26	07/21/14 15:15	1

Lab Sample ID: LCS 720-163368/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0125	0.0108		mg/L		86	85 - 115

Lab Sample ID: LCSD 720-163368/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0125	0.0115		mg/L		92	85 - 115	6	20

Lab Sample ID: LB4 720-163078/1-C — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0050		mg/L		07/21/14 10:30	07/21/14 15:35	1

Lab Sample ID: 720-58628-1 MS — **Client Sample ID: CEG-1(0-1/2)**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.250	0.207		mg/L		83	70 - 130

Lab Sample ID: 720-58628-1 MSD — **Client Sample ID: CEG-1(0-1/2)**
Matrix: Solid — **Prep Type: STLC DI**
Analysis Batch: 163396 — **Prep Batch: 163368**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.250	0.210		mg/L		84	70 - 130	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-163147/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163310 — **Prep Batch: 163147**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		07/16/14 20:13	07/18/14 16:34	1

Lab Sample ID: LCS 720-163147/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163310 — **Prep Batch: 163147**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.827		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 720-163147/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163310 — **Prep Batch: 163147**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.824		mg/Kg		99	80 - 120	0	20

Lab Sample ID: MB 720-163200/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		07/17/14 14:53	07/18/14 15:04	1

Lab Sample ID: LCS 720-163200/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.816		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 720-163200/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.828		mg/Kg		99	80 - 120	2	20

Lab Sample ID: 720-58628-19 MS — **Client Sample ID: CEG-11(0-1/2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.064		0.758	0.924		mg/Kg		114	75 - 125

Lab Sample ID: 720-58628-19 MSD — **Client Sample ID: CEG-11(0-1/2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.064		0.769	0.869		mg/Kg		105	75 - 125	6	20

QC Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 720-163398/1-A
Matrix: Water
Analysis Batch: 162981

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/14/14 19:13	1

Lab Sample ID: LCS 720-163398/2-A
Matrix: Water
Analysis Batch: 162981

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			0.250	0.261		mg/L		104	90 - 110		

Lab Sample ID: 720-58628-24 MS
Matrix: Water
Analysis Batch: 162981

Client Sample ID: CEG-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		0.250	0.254		mg/L		102	85 - 115		

Lab Sample ID: 720-58628-24 MSD
Matrix: Water
Analysis Batch: 162981

Client Sample ID: CEG-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		0.250	0.254		mg/L		102	85 - 115	0	20

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

GC/MS VOA

Analysis Batch: 162996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	8260B/CA_LUFT MS	163025
LCS 720-162996/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-162996/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-162996/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-162996/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-162996/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 163025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	5035	

Analysis Batch: 163060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	8260B/CA_LUFT MS	163098
LCS 720-163060/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-163060/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-163060/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-163060/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-163060/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 163098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	5035	

Analysis Batch: 163164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-7	CEG-2	Total/NA	Water	8260B/CA_LUFT MS	
720-58628-11	CEG-3	Total/NA	Water	8260B/CA_LUFT MS	
720-58628-15	CEG-6	Total/NA	Water	8260B/CA_LUFT MS	
720-58628-24	CEG-11	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-163164/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-163164/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-163164/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-163164/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-163164/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

GC Semi VOA

Analysis Batch: 163160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-7	CEG-2	Silica Gel Cleanup	Water	8015B	163178
720-58628-11	CEG-3	Silica Gel Cleanup	Water	8015B	163178
720-58628-15	CEG-6	Silica Gel Cleanup	Water	8015B	163178
720-58628-24	CEG-11	Silica Gel Cleanup	Water	8015B	163178

Analysis Batch: 163161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-163178/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	163178
LCSD 720-163178/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	163178
MB 720-163178/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	163178

Prep Batch: 163173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	3546	
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	3546	
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	3546	
LCS 720-163173/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-163173/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-163173/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 163178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-7	CEG-2	Silica Gel Cleanup	Water	3510C SGC	
720-58628-11	CEG-3	Silica Gel Cleanup	Water	3510C SGC	
720-58628-15	CEG-6	Silica Gel Cleanup	Water	3510C SGC	
720-58628-24	CEG-11	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-163178/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-163178/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-163178/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 163250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Silica Gel Cleanup	Solid	8015B	163263
720-58628-2	CEG-1(2-2 1/2)	Silica Gel Cleanup	Solid	8015B	163263
720-58628-4	CEG-2(0-1/2)	Silica Gel Cleanup	Solid	8015B	163263
720-58628-5	CEG-2(2-2 1/2)	Silica Gel Cleanup	Solid	8015B	163263
720-58628-8	CEG-3(0-1/2)	Silica Gel Cleanup	Solid	8015B	163263
720-58628-9	CEG-3(2-2 1/2)	Silica Gel Cleanup	Solid	8015B	163263
LCS 720-163263/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	163263
LCSD 720-163263/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	163263
MB 720-163263/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	163263

Analysis Batch: 163252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-12	CEG-6(0-1/2)	Silica Gel Cleanup	Solid	8015B	163273
720-58628-16	CEG-7(0-1/2)	Silica Gel Cleanup	Solid	8015B	163273
720-58628-19	CEG-11(0-1/2)	Silica Gel Cleanup	Solid	8015B	163273

Analysis Batch: 163253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-163273/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	163273

GC Semi VOA (Continued)

Analysis Batch: 163253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-163273/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	163273
MB 720-163273/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	163273

Prep Batch: 163263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-2	CEG-1(2-2 1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-4	CEG-2(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-5	CEG-2(2-2 1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-8	CEG-3(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-9	CEG-3(2-2 1/2)	Silica Gel Cleanup	Solid	3546	
LCS 720-163263/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-163263/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-163263/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Prep Batch: 163273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-12	CEG-6(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-16	CEG-7(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58628-19	CEG-11(0-1/2)	Silica Gel Cleanup	Solid	3546	
LCS 720-163273/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-163273/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-163273/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 163294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	8081A	163173
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	8081A	163173
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	8081A	163173
LCS 720-163173/2-A	Lab Control Sample	Total/NA	Solid	8081A	163173
LCSD 720-163173/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	163173
MB 720-163173/1-A	Method Blank	Total/NA	Solid	8081A	163173

HPLC/IC

Prep Batch: 194383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	3060A	
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	3060A	
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	3060A	
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	3060A	
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	3060A	
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	3060A	
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	3060A	
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	3060A	
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	3060A	
LCS 440-194383/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 440-194383/1-A	Method Blank	Total/NA	Solid	3060A	

HPLC/IC (Continued)

Leach Batch: 194387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI Leach	
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI Leach	
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI Leach	
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	CA WET DI Leach	
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	CA WET DI Leach	
LCS 440-194387/2-A	Lab Control Sample	STLC DI	Solid	CA WET DI	
MB 440-194387/1-A	Method Blank	STLC DI	Solid	CA WET DI	

Analysis Batch: 194499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	7199	194383
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	7199	194383
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	7199	194383
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	7199	194383
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	7199	194383
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	7199	194383
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	7199	194383
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	7199	194383
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	7199	194383
LCS 440-194383/2-A	Lab Control Sample	Total/NA	Solid	7199	194383
MB 440-194383/1-A	Method Blank	Total/NA	Solid	7199	194383

Analysis Batch: 194806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	7199	194387
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	7199	194387
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	7199	194387
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	7199	194387
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	7199	194387
LCS 440-194387/2-A	Lab Control Sample	STLC DI	Solid	7199	194387
MB 440-194387/1-A	Method Blank	STLC DI	Solid	7199	194387
MRL 440-194806/4	Lab Control Sample	Total/NA	Solid	7199	

Metals

Leach Batch: 163078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI	
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI	
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	CA WET DI	
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	CA WET DI	
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	CA WET DI	
LB4 720-163078/1-B	Method Blank	STLC DI	Solid	CA WET DI	
LB4 720-163078/1-C	Method Blank	STLC DI	Solid	CA WET DI	

Metals (Continued)

Prep Batch: 163101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	3050B	
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	3050B	
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	3050B	
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	3050B	
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	3050B	
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	3050B	
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	3050B	
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	3050B	
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	3050B	
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	3050B	
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	3050B	
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	3050B	
LCS 720-163101/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-163101/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-163101/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-163101/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 163147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	7471A	
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	7471A	
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	7471A	
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	7471A	
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	7471A	
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	7471A	
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	7471A	
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	7471A	
LCS 720-163147/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-163147/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-163147/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 163200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	7471A	
720-58628-19 MS	CEG-11(0-1/2)	Total/NA	Solid	7471A	
720-58628-19 MSD	CEG-11(0-1/2)	Total/NA	Solid	7471A	
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	7471A	
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	7471A	
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	7471A	
LCS 720-163200/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-163200/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-163200/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 163265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	3005A	163078
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	3005A	163078
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	3005A	163078
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	3005A	163078
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	3005A	163078
LB4 720-163078/1-B	Method Blank	STLC DI	Solid	3005A	163078

Metals (Continued)

Prep Batch: 163265 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-163265/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-163265/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-163265/1-A	Method Blank	Total Recoverable	Solid	3005A	

Analysis Batch: 163290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	6010B	163101
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	6010B	163101
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	6010B	163101
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	6010B	163101
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	6010B	163101
LCS 720-163101/2-A	Lab Control Sample	Total/NA	Solid	6010B	163101
LCSD 720-163101/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	163101
LCSSRM 720-163101/25-A	Lab Control Sample	Total/NA	Solid	6010B	163101
MB 720-163101/1-A	Method Blank	Total/NA	Solid	6010B	163101

Analysis Batch: 163298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	7471A	163200
720-58628-19 MS	CEG-11(0-1/2)	Total/NA	Solid	7471A	163200
720-58628-19 MSD	CEG-11(0-1/2)	Total/NA	Solid	7471A	163200
720-58628-26	CEG-2(1/2-1)	Total/NA	Solid	7471A	163200
720-58628-27	CEG-6(1/2-1)	Total/NA	Solid	7471A	163200
720-58628-28	CEG-3(1/2-1)	Total/NA	Solid	7471A	163200
LCS 720-163200/2-A	Lab Control Sample	Total/NA	Solid	7471A	163200
LCSD 720-163200/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	163200
MB 720-163200/1-A	Method Blank	Total/NA	Solid	7471A	163200

Analysis Batch: 163310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	7471A	163147
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	7471A	163147
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	7471A	163147
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	7471A	163147
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	7471A	163147
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	7471A	163147
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	7471A	163147
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	7471A	163147
LCS 720-163147/2-A	Lab Control Sample	Total/NA	Solid	7471A	163147
LCSD 720-163147/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	163147
MB 720-163147/1-A	Method Blank	Total/NA	Solid	7471A	163147

Analysis Batch: 163352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-2	CEG-1(2-2 1/2)	Total/NA	Solid	6010B	163101
720-58628-4	CEG-2(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-5	CEG-2(2-2 1/2)	Total/NA	Solid	6010B	163101
720-58628-8	CEG-3(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-9	CEG-3(2-2 1/2)	Total/NA	Solid	6010B	163101

Metals (Continued)

Analysis Batch: 163352 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-12	CEG-6(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-16	CEG-7(0-1/2)	Total/NA	Solid	6010B	163101
720-58628-19	CEG-11(0-1/2)	Total/NA	Solid	6010B	163101
LCS 720-163101/2-A	Lab Control Sample	Total/NA	Solid	6010B	163101
LCSD 720-163101/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	163101
LCSSRM 720-163101/25-A	Lab Control Sample	Total/NA	Solid	6010B	163101
MB 720-163101/1-A	Method Blank	Total/NA	Solid	6010B	163101

Analysis Batch: 163354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	6010B	163265
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	6010B	163265
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	6010B	163265
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	6010B	163265
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	6010B	163265
LB4 720-163078/1-B	Method Blank	STLC DI	Solid	6010B	163265
LCS 720-163265/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	163265
LCSD 720-163265/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	163265
MB 720-163265/1-A	Method Blank	Total Recoverable	Solid	6010B	163265

Prep Batch: 163368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	7470A	163078
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	7470A	163078
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	7470A	163078
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	7470A	163078
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	7470A	163078
LB4 720-163078/1-C	Method Blank	STLC DI	Solid	7470A	163078
LCS 720-163368/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 720-163368/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
MB 720-163368/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 163396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-1	CEG-1(0-1/2)	STLC DI	Solid	7470A	163368
720-58628-1 MS	CEG-1(0-1/2)	STLC DI	Solid	7470A	163368
720-58628-1 MSD	CEG-1(0-1/2)	STLC DI	Solid	7470A	163368
720-58628-4	CEG-2(0-1/2)	STLC DI	Solid	7470A	163368
720-58628-8	CEG-3(0-1/2)	STLC DI	Solid	7470A	163368
LB4 720-163078/1-C	Method Blank	STLC DI	Solid	7470A	163368
LCS 720-163368/2-A	Lab Control Sample	Total/NA	Solid	7470A	163368
LCSD 720-163368/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	163368
MB 720-163368/1-A	Method Blank	Total/NA	Solid	7470A	163368

General Chemistry

Analysis Batch: 162981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-7	CEG-2	Dissolved	Water	7196A	163398
720-58628-11	CEG-3	Dissolved	Water	7196A	163398

General Chemistry (Continued)

Analysis Batch: 162981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-15	CEG-6	Dissolved	Water	7196A	163398
720-58628-24	CEG-11	Dissolved	Water	7196A	163398
720-58628-24 MS	CEG-11	Dissolved	Water	7196A	163398
720-58628-24 MSD	CEG-11	Dissolved	Water	7196A	163398
LCS 720-163398/2-A	Lab Control Sample	Dissolved	Water	7196A	163398
MB 720-163398/1-A	Method Blank	Dissolved	Water	7196A	163398

Filtration Batch: 163398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-7	CEG-2	Dissolved	Water	FILTRATION	
720-58628-11	CEG-3	Dissolved	Water	FILTRATION	
720-58628-15	CEG-6	Dissolved	Water	FILTRATION	
720-58628-24	CEG-11	Dissolved	Water	FILTRATION	
720-58628-24 MS	CEG-11	Dissolved	Water	FILTRATION	
720-58628-24 MSD	CEG-11	Dissolved	Water	FILTRATION	
LCS 720-163398/2-A	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 720-163398/1-A	Method Blank	Dissolved	Water	FILTRATION	

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-1(0-1/2)

Lab Sample ID: 720-58628-1
Date Collected: 07/14/14 09:00
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 22:24	JL	TAL PLS
STLC DI	Leach	CA WET DI Leach			194387	07/16/14 16:18	CH	TAL IRV
STLC DI	Analysis	7199		1	194806	07/18/14 21:12	QPD	TAL IRV
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 16:10	QPD	TAL IRV
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS
STLC DI	Prep	3005A			163265	07/18/14 10:43	ECT	TAL PLS
STLC DI	Analysis	6010B		1	163354	07/19/14 01:11	SLK	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:00	SLK	TAL PLS
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS
STLC DI	Prep	7470A			163368	07/21/14 10:30	ECT	TAL PLS
STLC DI	Analysis	7470A		1	163396	07/21/14 15:47	EFH	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:08	SLK	TAL PLS

Client Sample ID: CEG-1(2-2 1/2)

Lab Sample ID: 720-58628-2
Date Collected: 07/14/14 09:05
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 19:09	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 16:37	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:05	SLK	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:10	SLK	TAL PLS

Client Sample ID: CEG-2(0-1/2)

Lab Sample ID: 720-58628-4
Date Collected: 07/14/14 09:57
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 19:34	JL	TAL PLS
STLC DI	Leach	CA WET DI Leach			194387	07/16/14 16:18	CH	TAL IRV
STLC DI	Analysis	7199		1	194806	07/18/14 22:06	QPD	TAL IRV
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 17:05	QPD	TAL IRV
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-2(0-1/2)

Lab Sample ID: 720-58628-4

Date Collected: 07/14/14 09:57
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC DI	Prep	3005A			163265	07/18/14 10:43	ECT	TAL PLS
STLC DI	Analysis	6010B		1	163354	07/19/14 01:21	SLK	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:10	SLK	TAL PLS
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS
STLC DI	Prep	7470A			163368	07/21/14 10:30	ECT	TAL PLS
STLC DI	Analysis	7470A		1	163396	07/21/14 15:50	EFH	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:13	SLK	TAL PLS

Client Sample ID: CEG-2(2-2 1/2)

Lab Sample ID: 720-58628-5

Date Collected: 07/14/14 09:59
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 19:58	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 17:32	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:12	EFH	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163352	07/18/14 22:15	SLK	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:15	SLK	TAL PLS

Client Sample ID: CEG-2

Lab Sample ID: 720-58628-7

Date Collected: 07/14/14 10:30
Matrix: Water
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163164	07/17/14 14:39	LPL	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/17/14 21:54	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163398	07/14/14 18:26	MJK	TAL PLS
Dissolved	Analysis	7196A		1	162981	07/14/14 19:37	MJK	TAL PLS

Client Sample ID: CEG-3(0-1/2)

Lab Sample ID: 720-58628-8

Date Collected: 07/14/14 15:08
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(0-1/2)

Lab Sample ID: 720-58628-8

Date Collected: 07/14/14 15:08
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 20:23	JL	TAL PLS
STLC DI	Leach	CA WET DI Leach			194387	07/16/14 16:18	CH	TAL IRV
STLC DI	Analysis	7199		1	194806	07/18/14 22:34	QPD	TAL IRV
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 17:59	QPD	TAL IRV
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS
STLC DI	Prep	3005A			163265	07/18/14 10:43	ECT	TAL PLS
STLC DI	Analysis	6010B		1	163354	07/19/14 01:26	SLK	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:20	SLK	TAL PLS
STLC DI	Leach	CA WET DI			163078	07/16/14 09:53	ECT	TAL PLS
STLC DI	Prep	7470A			163368	07/21/14 10:30	ECT	TAL PLS
STLC DI	Analysis	7470A		1	163396	07/21/14 15:52	EFH	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:17	SLK	TAL PLS

Client Sample ID: CEG-3(2-2 1/2)

Lab Sample ID: 720-58628-9

Date Collected: 07/14/14 15:15
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163263	07/18/14 09:30	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163250	07/18/14 20:47	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 19:28	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:21	EFH	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163352	07/18/14 22:25	SLK	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:20	SLK	TAL PLS

Client Sample ID: CEG-3

Lab Sample ID: 720-58628-11

Date Collected: 07/14/14 15:58
Matrix: Water
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163164	07/17/14 15:08	LPL	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/17/14 22:18	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163398	07/14/14 18:26	MJK	TAL PLS
Dissolved	Analysis	7196A		1	162981	07/14/14 19:37	MJK	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-6(0-1/2)

Lab Sample ID: 720-58628-12
Date Collected: 07/14/14 12:30
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			163025	07/14/14 19:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	162996	07/15/14 14:30	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			163273	07/18/14 11:59	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163252	07/18/14 22:09	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 19:55	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:30	SLK	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:22	SLK	TAL PLS

Client Sample ID: CEG-6

Lab Sample ID: 720-58628-15
Date Collected: 07/14/14 12:55
Matrix: Water
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163164	07/17/14 15:38	LPL	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/17/14 22:42	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163398	07/14/14 18:26	MJK	TAL PLS
Dissolved	Analysis	7196A		1	162981	07/14/14 19:37	MJK	TAL PLS

Client Sample ID: CEG-7(0-1/2)

Lab Sample ID: 720-58628-16
Date Collected: 07/14/14 14:05
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			163098	07/14/14 19:45	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	163060	07/16/14 11:32	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			163273	07/18/14 11:59	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163252	07/18/14 22:38	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 20:23	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:39	EFH	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163352	07/18/14 22:44	SLK	TAL PLS
Total/NA	Prep	7471A			163147	07/16/14 20:13	ASB	TAL PLS
Total/NA	Analysis	7471A		1	163310	07/18/14 17:25	SLK	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-11(0-1/2)

Lab Sample ID: 720-58628-19
Date Collected: 07/14/14 11:10
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163273	07/18/14 11:59	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163252	07/18/14 23:07	JL	TAL PLS
Total/NA	Prep	3060A			194383	07/16/14 15:59	QPD	TAL IRV
Total/NA	Analysis	7199		10	194499	07/17/14 20:50	QPD	TAL IRV
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		1	163352	07/18/14 22:49	SLK	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:16	SLK	TAL PLS

Client Sample ID: CEG-11

Lab Sample ID: 720-58628-24
Date Collected: 07/14/14 11:40
Matrix: Water
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163164	07/17/14 16:07	LPL	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/17/14 23:06	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163398	07/14/14 18:26	MJK	TAL PLS
Dissolved	Analysis	7196A		1	162981	07/14/14 19:37	MJK	TAL PLS

Client Sample ID: CEG-2(1/2-1)

Lab Sample ID: 720-58628-26
Date Collected: 07/14/14 09:58
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			163173	07/17/14 17:33	DFR	TAL PLS
Total/NA	Analysis	8081A		1	163294	07/19/14 00:12	JZT	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:47	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:18	SLK	TAL PLS

Client Sample ID: CEG-6(1/2-1)

Lab Sample ID: 720-58628-27
Date Collected: 07/14/14 12:42
Matrix: Solid
Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			163173	07/17/14 17:33	DFR	TAL PLS
Total/NA	Analysis	8081A		1	163294	07/19/14 00:29	JZT	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:52	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:21	SLK	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Client Sample ID: CEG-3(1/2-1)

Lab Sample ID: 720-58628-28

Date Collected: 07/14/14 15:12

Matrix: Solid

Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			163173	07/17/14 17:33	DFR	TAL PLS
Total/NA	Analysis	8081A		1	163294	07/19/14 00:46	JZT	TAL PLS
Total/NA	Prep	3050B			163101	07/16/14 13:49	JCR	TAL PLS
Total/NA	Analysis	6010B		4	163290	07/18/14 11:56	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:23	SLK	TAL PLS

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Method Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL PLS
7470A	Mercury (CVAA)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
7196A	Chromium, Hexavalent	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-58628-1	CEG-1(0-1/2)	Solid	07/14/14 09:00	07/14/14 16:55
720-58628-2	CEG-1(2-2 1/2)	Solid	07/14/14 09:05	07/14/14 16:55
720-58628-4	CEG-2(0-1/2)	Solid	07/14/14 09:57	07/14/14 16:55
720-58628-5	CEG-2(2-2 1/2)	Solid	07/14/14 09:59	07/14/14 16:55
720-58628-7	CEG-2	Water	07/14/14 10:30	07/14/14 16:55
720-58628-8	CEG-3(0-1/2)	Solid	07/14/14 15:08	07/14/14 16:55
720-58628-9	CEG-3(2-2 1/2)	Solid	07/14/14 15:15	07/14/14 16:55
720-58628-11	CEG-3	Water	07/14/14 15:58	07/14/14 16:55
720-58628-12	CEG-6(0-1/2)	Solid	07/14/14 12:30	07/14/14 16:55
720-58628-15	CEG-6	Water	07/14/14 12:55	07/14/14 16:55
720-58628-16	CEG-7(0-1/2)	Solid	07/14/14 14:05	07/14/14 16:55
720-58628-19	CEG-11(0-1/2)	Solid	07/14/14 11:10	07/14/14 16:55
720-58628-24	CEG-11	Water	07/14/14 11:40	07/14/14 16:55
720-58628-26	CEG-2(1/2-1)	Solid	07/14/14 09:58	07/14/14 16:55
720-58628-27	CEG-6(1/2-1)	Solid	07/14/14 12:42	07/14/14 16:55
720-58628-28	CEG-3(1/2-1)	Solid	07/14/14 15:12	07/14/14 16:55

720-58628

CORNERSTONE EARTH GROUP

Chain of Custody Record

154948

Cornerstone Earth Group, Inc.	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-14-2014	COC No:
	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America	____ of ____ COCs
1259 Oakmead Pkwy	Analysis Turnaround Time			Laboratory's Job No.
Sunnyvale, California 94085				
(408) 245-4600 Phone	TAT if different from Below ____			
(408) 245-4620 FAX	■ 1 week			
Project Name: 1 Hanson Court	☐ 3 days			
Site: Milpitas, CA	☐ 2 days			
Project Number: 726-1-3	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-1 (0-1/2)~~ CEG-1 (0-1/2)	7/14/2014	9:09	liner	soil	1		x	x	x	x		x	x			
~~EB-1 (1 1/2-2)~~ CEG-1 (2-2 1/2)	7/14/2014	9:05	liner	soil	1		x	x	x							
~~EB-1 (2 1/2-3)~~ CEG-1 (4-4 1/2)	7/14/2014	9:10	liner	soil	1										x	
~~EB-1 CEG-1~~	~~7/14/2014~~		Amber, poly, VOA	~~water~~	~~7~~			~~x~~	~~x~~		~~x~~					
~~EB-2 (0-1/2)~~ CEG-2 (0-1/2)	7/14/2014	9:57	liner	soil	1		x	x	x	x		x	x			
CEG-2 (2-2 1/2) ~~EB-2 (1 1/2-2)~~ ~~CEG-2 (1 1/2-2)~~	7/14/2014	9:59	liner	soil	1		x	x	x							
CEG-2 (4-4 1/2) ~~EB-2 (2 1/2-3)~~ ~~CEG-2 (4 1/2-4)~~	7/14/2014	10:02	liner	soil	1										x	
~~EB-2~~ CEG-2	7/14/2014	10:30	Amber, poly, VOA	water	7			x	x		x					
~~EB-3 (0-1/2)~~ CEG-3 (0-1/2	7/14/2014	3:08	liner	soil	1		x	x	x	x		x	x			
~~EB-3 (1 1/2-2)~~ CEG-3 (2-2 1/2)	7/14/2014	3:15	liner	soil	1		x	x	x							
~~EB-3 (2 1/2-3)~~ CEG-3 (3 1/2-4)	7/14/2014	3:20	liner	soil	1										x	
~~EB-3~~ CEG-3	7/14/2014	3:58pm	Amber, poly, VOA	water				x	x		x					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

720-58628 Chain of Custody

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

2.4°C / 1.9°C

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-14-2014 3:59pm	Received by:	Company: TAP	Date/Time: 07/14/14 @ 1555
Relinquished by:	Company: TAP	Date/Time: 07/14/14 @ 1655	Received by:	Company: TAP	Date/Time: 7/14/14 1655
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

CORNERSTONE EARTH GROUP

Chain of Custody Record

720-58628

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-14-2014
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America
1259 Oakmead Pkwy	Analysis Turnaround Time		
Sunnyvale, California 94085			
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	■ 1 week		
Project Name: 1 Hanson Court	☐ 3 days		
Site: Milpitas, CA	☐ 2 days		
Project Number: 726-1-3	☐ 1 day		

COC No: _____ of _____ COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-4 (0-1/2)~~	~~7/14/2014~~		~~liner+CNOs~~	~~soil~~	~~4~~		x	x	x		x					
~~EB-4 (1 1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-4 (2 1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-4~~	~~7/14/2014~~		~~Amber, poly, VOA~~	~~water~~				x	x		x					
~~EB-5 (0-1/2)~~	~~7/14/2014~~		~~liner+CNOs~~	~~soil~~	~~4~~		x	x	x		x					
~~EB-5 (1 1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-5 (2 1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-5~~	~~7/14/2014~~		~~Amber, poly, VOA~~	~~water~~				x	x		x					
~~EB-6 (0-1/2)~~ CE6-6 (0-1/2)	7/14/2014	12:30	liner+CNOs	soil	4		x	x	x		x					
~~EB-6 (1 1/2 - 2)~~ CE6-6 (2-2½)	7/14/2014	12:35	liner	soil	1										x	
~~EB-6 (2 1/2 - 3)~~ CE6-6 (3½-4)	7/14/2014	12:40	liner	soil	1										x	
~~EB-6~~ CE6-6	7/14/2014	12:55	Amber, poly, VOA	water	7			x	x		x					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-14-2014 3:55pm	Received by:	Company: TAP	Date/Time: 07/14/14 @ 1555
Relinquished by:	Company: TAP	Date/Time: 07/14/14 @ 1655	Received by:	Company: TAP	Date/Time: 7/14/14 1655
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

CORNERSTONE EARTH GROUP

Chain of Custody Record

720-58628

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-14-2014
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America
1259 Oakmead Pkwy	Analysis Turnaround Time		
Sunnyvale, California 94085			
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	■ 1 week		
Project Name: 1 Hanson Court	☐ 3 days		
Site: Milpitas, CA	☐ 2 days		
Project Number: 726-1-3	☐ 1 day		

COC No: _____ of _____ COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
CEG-7(0-1/2) ~~EB-7 (0-1/2)~~ ~~CEG-7(2:05)~~	7/14/2014	2:05	liner+CNOs	soil	4		x	x	x		x					
CEG-7(1½-2) ~~EB-7 (1-1/2 - 2)~~ ~~CEG-7(2:10)~~	7/14/2014	2:10	liner	soil	1										x	
CEG-7(3-3½) ~~EB-7 (2-1/2 - 3)~~ ~~CEG-7(2:15)~~	7/14/2014	2:15	liner	soil	1										x	
~~CEG-7 EB-7 CEG-7(2:15)~~	~~7/14/2014~~	~~2:20~~	~~Amber poly VOA~~	~~water~~			~~x~~	~~x~~		~~x~~						
~~EB-8 (0-1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~		~~x~~	~~x~~	~~x~~							
~~EB-8 (1-1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-8 (2-1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-9 (0-1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~		~~x~~	~~x~~	~~x~~							
~~EB-9 (1-1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-9 (2-1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-10 (0-1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~		~~x~~	~~x~~	~~x~~							
~~EB-10 (1-1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-14-2014 3:35	Received by:	Company: TAP	Date/Time: 07/14/14 @ 1655
Relinquished by:	Company: TAP	Date/Time: 07/14/14 @ 1655	Received by:	Company: TAP	Date/Time: 7/14/14 1655
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

7/22/2014

CORNERSTONE EARTH GROUP

Chain of Custody Record

720-58628

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-14-2014
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America
1259 Oakmead Pkwy	Analysis Turnaround Time		
Sunnyvale, California 94085			
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	■ 1 week		
Project Name: 1 Hanson Court	☐ 3 days		
Site: Milpitas, CA	☐ 2 days		
Project Number: 726-1-3	☐ 1 day		

COC No: _____ of _____ COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-10 (2 1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
CEG-11(0-½) ~~EB-11 (0 - 1/2)~~ CEG(0-½)	7/14/2014	11:10	liner	soil	1		x	x	x							
CEG-11(1½-2) ~~EB-11 (1 1/2 - 2)~~ CEG(1½-2)	7/14/2014	11:15	liner	soil	1										x	
CEG-11(3-3½) ~~EB-11 (2 1/2 - 3)~~ CEG(3-3½)	7/14/2014	11:20	liner	soil	1										x	
CEG-11(3½-4) ~~EB-11 (5 - 5 1/2)~~ CEG(3½-4)	7/14/2014	11:25	liner	soil	1										x	
CEG-11(9½-10) ~~EB-11 (10 - 10 1/2)~~ CEG(9½-10)	7/14/2014	11:30	liner	soil	1										x	
~~EB-11~~ CEG-11	7/14/2014	11:40	Amber, poly, VOA	water	7			x	x		x					
~~EB-12 (0 - 1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~		~~x~~	~~x~~	~~x~~							
~~EB-12 (1 1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-12 (2 1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-12 (5 - 5 1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										x	
~~EB-12 (10 - 10 1/2)~~	7/14/2014		~~liner~~	~~soil~~	~~1~~										x	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-14-2014 3:55pm	Received by:	Company: TAP	Date/Time: 07/14/14 @ 1555
Relinquished by:	Company: TAP	Date/Time: 07/14/14 1655	Received by:	Company: TAP	Date/Time: 7/14/14 1655
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

CORNERSTONE EARTH GROUP

Chain of Custody Record

720-58628

Cornerstone Earth Group, Inc.	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-14-2014
	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America
1259 Oakmead Pkwy	Analysis Turnaround Time		COC No: _____ of _____ COCs
Sunnyvale, California 94085			Laboratory's Job No.
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	■ 1 week		
Project Name: 1 Hanson Court	☐ 3 days		
Site: Milpitas, CA	☐ 2 days		
Project Number: 726-1-3	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-13 (0 - 1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~		~~x~~	~~x~~	~~x~~							
~~EB-13 (1 1/2 - 2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-13 (2 1/2 - 3)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-13 (5 - 5 1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
~~EB-13 (10 - 10 1/2)~~	~~7/14/2014~~		~~liner~~	~~soil~~	~~1~~										~~x~~	
CEG-1 (12 1/2-13)	7/14/14	9:15	liner	Soil	1										X	
CEG-2 (1/2-1)	7/14/14	9:58	liner	Soil	1										X	
CEG-6 (1/2-1)	7/14/14	12:42	liner	Soil	1										X	
CEG-3 (1/2-1)	7/14/14	3:12	liner	Soil	1										X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-14-2014 3:55 pm	Received by:	Company: TAP	Date/Time: 07/14/14 @ 1553
Relinquished by:	Company: TAP	Date/Time: 07/14/14 @ 1655	Received by:	Company: TAP	Date/Time: 7/14/14 1655
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

720-58628-rev

Salimpour, Afsaneh

From: Kevin H. O'Halloran [kohalloran@cornerstoneearth.com]
Sent: Tuesday, July 15, 2014 3:33 PM
To: Salimpour, Afsaneh; Kurt M. Soenen
Subject: RE: Sample Login Confirmation for 720-58628, 1 Hanson Court

Hi Afsaneh,

For samples CEG-1(0-1/2), CEG-2(0-1/2), and CEG-3(0-1/2), please do not analyzed for pesticides by 8081 as originally requested.

For samples CEG-6(1/2-1), CEG-2(1/2-1), and CEG-3(1/2-1), please analyze for pesticides by 8081, and As, Pb, and Hg by 6010B/7471.

Thank You,
Kevin

From: Salimpour, Afsaneh [mailto:afsaneh.salimpour@testamericainc.com]
Sent: Tuesday, July 15, 2014 12:51 PM
To: Kevin H. O'Halloran; Kurt M. Soenen
Subject: Sample Login Confirmation for 720-58628, 1 Hanson Court

Hi Kurt,
For the water samples we had to run Cr6 by method 7196 becuse our instrument was down last night and the HT was up today.
For soils we will do 7199.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

AFSANEH SALIMPOUR
Senior Project Manager

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

720-58628 Chain of Custody

Reference: [162444]
Attachments: 3

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58628-1

Login Number: 58628

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

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

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58628-1

Login Number: 58628
List Number: 2
Creator: Salas, Margarita

List Source: TestAmerica Irvine
List Creation: 07/16/14 01:40 PM

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	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58628-1

Login Number: 58628
List Number: 3
Creator: Salas, Margarita

List Source: TestAmerica Irvine
List Creation: 07/18/14 07:56 AM

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	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-58628-2
Client Project/Site: 1 Hanson Court

For:
Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, California 94085

Attn: Kurt Soenen

Authorized for release by:
7/31/2014 4:36:20 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.testamericainc.com

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

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

Table of Contents

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Definitions/Glossary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 720-58628-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-58628-2

Comments
No additional comments.

Receipt
The samples were received on 7/14/2014 4:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 1.9º C and 2.4º C.

Except:

4 of 4 vials received with headspace for sample CEG-6.

GC/MS VOA

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

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

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

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

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-7(3-3 1/2) — Lab Sample ID: 720-58628-18

No Detections.

Client Sample ID: CEG-11(9 1/2-10) — Lab Sample ID: 720-58628-23

No Detections.

Client Sample ID: CEG-1(12 1/2-13) — Lab Sample ID: 720-58628-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.7		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-7(3-3 1/2)

Lab Sample ID: 720-58628-18

Date Collected: 07/14/14 14:15

Matrix: Solid

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Acetone	ND		48		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Benzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Dichlorobromomethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Bromobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chlorobromomethane	ND		19		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Bromoform	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Bromomethane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
2-Butanone (MEK)	ND		48		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
n-Butylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
sec-Butylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
tert-Butylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Carbon disulfide	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Carbon tetrachloride	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chloroethane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chloroform	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chloromethane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
2-Chlorotoluene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
4-Chlorotoluene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Chlorodibromomethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,3-Dichloropropane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1-Dichloropropene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Ethylene Dibromide	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Dibromomethane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1-Dichloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2-Dichloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1-Dichloroethene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2-Dichloropropane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Ethylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Hexachlorobutadiene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
2-Hexanone	ND		48		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Isopropylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
4-Isopropyltoluene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Methylene Chloride	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Naphthalene	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
N-Propylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Styrene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-7(3-3 1/2)

Lab Sample ID: 720-58628-18

Date Collected: 07/14/14 14:15

Matrix: Solid

Date Received: 07/14/14 16:55

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Tetrachloroethene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Toluene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Trichloroethene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Trichlorofluoromethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Vinyl acetate	ND		48		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Vinyl chloride	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
Xylenes, Total	ND		9.7		ug/Kg		07/25/14 20:32	07/25/14 21:28	1
2,2-Dichloropropane	ND		4.8		ug/Kg		07/25/14 20:32	07/25/14 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*	*07/25/14 20:32*	*07/25/14 21:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*	*07/25/14 20:32*	*07/25/14 21:28*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*	*07/25/14 20:32*	*07/25/14 21:28*	*1*

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-11(9 1/2-10)

Lab Sample ID: 720-58628-23

Date Collected: 07/14/14 11:30

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/28/14 09:43	07/31/14 12:58	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/28/14 09:43	07/31/14 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*07/28/14 09:43*	*07/31/14 12:58*	*1*
p-Terphenyl	*93*		*38 - 148*	*07/28/14 09:43*	*07/31/14 12:58*	*1*

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-1(12 1/2-13)

Lab Sample ID: 720-58628-25

Date Collected: 07/14/14 09:15

Matrix: Solid

Date Received: 07/14/14 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.7**		0.99		mg/Kg		07/28/14 09:43	07/31/14 12:43	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/28/14 09:43	07/31/14 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 1*	*07/28/14 09:43*	*07/31/14 12:43*	*1*
p-Terphenyl	*84*		*38 - 148*	*07/28/14 09:43*	*07/31/14 12:43*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-163766/4
Matrix: Solid
Analysis Batch: 163766

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			07/25/14 19:02	1
Acetone	ND		50		ug/Kg			07/25/14 19:02	1
Benzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Dichlorobromomethane	ND		5.0		ug/Kg			07/25/14 19:02	1
Bromobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Chlorobromomethane	ND		20		ug/Kg			07/25/14 19:02	1
Bromoform	ND		5.0		ug/Kg			07/25/14 19:02	1
Bromomethane	ND		10		ug/Kg			07/25/14 19:02	1
2-Butanone (MEK)	ND		50		ug/Kg			07/25/14 19:02	1
n-Butylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
sec-Butylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
tert-Butylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Carbon disulfide	ND		5.0		ug/Kg			07/25/14 19:02	1
Carbon tetrachloride	ND		5.0		ug/Kg			07/25/14 19:02	1
Chlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Chloroethane	ND		10		ug/Kg			07/25/14 19:02	1
Chloroform	ND		5.0		ug/Kg			07/25/14 19:02	1
Chloromethane	ND		10		ug/Kg			07/25/14 19:02	1
2-Chlorotoluene	ND		5.0		ug/Kg			07/25/14 19:02	1
4-Chlorotoluene	ND		5.0		ug/Kg			07/25/14 19:02	1
Chlorodibromomethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,3-Dichloropropane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1-Dichloropropene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/25/14 19:02	1
Ethylene Dibromide	ND		5.0		ug/Kg			07/25/14 19:02	1
Dibromomethane	ND		10		ug/Kg			07/25/14 19:02	1
Dichlorodifluoromethane	ND		10		ug/Kg			07/25/14 19:02	1
1,1-Dichloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1-Dichloroethene	ND		5.0		ug/Kg			07/25/14 19:02	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/25/14 19:02	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2-Dichloropropane	ND		5.0		ug/Kg			07/25/14 19:02	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			07/25/14 19:02	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			07/25/14 19:02	1
Ethylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Hexachlorobutadiene	ND		5.0		ug/Kg			07/25/14 19:02	1
2-Hexanone	ND		50		ug/Kg			07/25/14 19:02	1
Isopropylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
4-Isopropyltoluene	ND		5.0		ug/Kg			07/25/14 19:02	1
Methylene Chloride	ND		10		ug/Kg			07/25/14 19:02	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			07/25/14 19:02	1
Naphthalene	ND		10		ug/Kg			07/25/14 19:02	1
N-Propylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Styrene	ND		5.0		ug/Kg			07/25/14 19:02	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163766/4
Matrix: Solid
Analysis Batch: 163766

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
Tetrachloroethene	ND		5.0		ug/Kg			07/25/14 19:02	1
Toluene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
Trichloroethene	ND		5.0		ug/Kg			07/25/14 19:02	1
Trichlorofluoromethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			07/25/14 19:02	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			07/25/14 19:02	1
Vinyl acetate	ND		50		ug/Kg			07/25/14 19:02	1
Vinyl chloride	ND		5.0		ug/Kg			07/25/14 19:02	1
Xylenes, Total	ND		10		ug/Kg			07/25/14 19:02	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/25/14 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*45 - 131*		*07/25/14 19:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*07/25/14 19:02*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*		*07/25/14 19:02*	*1*

Lab Sample ID: LCS 720-163766/5
Matrix: Solid
Analysis Batch: 163766

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.4		ug/Kg		101	70 - 144
Acetone	250	204		ug/Kg		82	30 - 162
Benzene	50.0	42.6		ug/Kg		85	70 - 130
Dichlorobromomethane	50.0	52.8		ug/Kg		106	70 - 131
Bromobenzene	50.0	46.1		ug/Kg		92	70 - 130
Chlorobromomethane	50.0	47.2		ug/Kg		94	70 - 130
Bromoform	50.0	61.5		ug/Kg		123	59 - 158
Bromomethane	50.0	49.4		ug/Kg		99	59 - 132
2-Butanone (MEK)	250	229		ug/Kg		91	53 - 124
n-Butylbenzene	50.0	44.1		ug/Kg		88	70 - 142
sec-Butylbenzene	50.0	42.6		ug/Kg		85	70 - 136
tert-Butylbenzene	50.0	43.7		ug/Kg		87	70 - 130
Carbon disulfide	50.0	40.1		ug/Kg		80	60 - 140
Carbon tetrachloride	50.0	55.7		ug/Kg		111	70 - 138
Chlorobenzene	50.0	44.9		ug/Kg		90	70 - 130
Chloroethane	50.0	40.9		ug/Kg		82	65 - 130
Chloroform	50.0	48.9		ug/Kg		98	77 - 127
Chloromethane	50.0	32.0		ug/Kg		64	55 - 140
2-Chlorotoluene	50.0	43.8		ug/Kg		88	70 - 138

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163766/5
Matrix: Solid
Analysis Batch: 163766

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	44.3		ug/Kg		89	70 - 136
Chlorodibromomethane	50.0	59.1		ug/Kg		118	70 - 146
1,2-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 130
1,3-Dichlorobenzene	50.0	44.8		ug/Kg		90	70 - 131
1,4-Dichlorobenzene	50.0	45.9		ug/Kg		92	70 - 130
1,3-Dichloropropane	50.0	48.3		ug/Kg		97	70 - 140
1,1-Dichloropropene	50.0	47.7		ug/Kg		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	50.8		ug/Kg		102	60 - 145
Ethylene Dibromide	50.0	52.3		ug/Kg		105	70 - 140
Dibromomethane	50.0	50.3		ug/Kg		101	70 - 139
Dichlorodifluoromethane	50.0	49.6		ug/Kg		99	37 - 158
1,1-Dichloroethane	50.0	42.0		ug/Kg		84	70 - 130
1,2-Dichloroethane	50.0	49.9		ug/Kg		100	70 - 130
1,1-Dichloroethene	50.0	41.2		ug/Kg		82	76 - 122
cis-1,2-Dichloroethene	50.0	43.3		ug/Kg		87	70 - 138
trans-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	67 - 130
1,2-Dichloropropane	50.0	42.2		ug/Kg		84	73 - 127
cis-1,3-Dichloropropene	50.0	51.1		ug/Kg		102	68 - 147
trans-1,3-Dichloropropene	50.0	59.0		ug/Kg		118	70 - 136
Ethylbenzene	50.0	43.4		ug/Kg		87	80 - 137
Hexachlorobutadiene	50.0	48.4		ug/Kg		97	70 - 132
2-Hexanone	250	227		ug/Kg		91	44 - 133
Isopropylbenzene	50.0	46.5		ug/Kg		93	88 - 128
4-Isopropyltoluene	50.0	44.1		ug/Kg		88	70 - 133
Methylene Chloride	50.0	43.2		ug/Kg		86	70 - 134
4-Methyl-2-pentanone (MIBK)	250	227		ug/Kg		91	60 - 160
Naphthalene	50.0	48.0		ug/Kg		96	60 - 147
N-Propylbenzene	50.0	42.9		ug/Kg		86	70 - 130
Styrene	50.0	48.5		ug/Kg		97	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/Kg		106	70 - 130
1,1,2,2-Tetrachloroethane	50.0	44.7		ug/Kg		89	70 - 146
Tetrachloroethene	50.0	48.0		ug/Kg		96	70 - 132
Toluene	50.0	42.3		ug/Kg		85	80 - 128
1,2,3-Trichlorobenzene	50.0	46.7		ug/Kg		93	60 - 140
1,2,4-Trichlorobenzene	50.0	47.6		ug/Kg		95	60 - 140
1,1,1-Trichloroethane	50.0	48.2		ug/Kg		96	70 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/Kg		95	70 - 130
Trichloroethene	50.0	46.4		ug/Kg		93	70 - 133
Trichlorofluoromethane	50.0	60.1		ug/Kg		120	60 - 140
1,2,3-Trichloropropane	50.0	50.4		ug/Kg		101	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	44.0		ug/Kg		88	60 - 140
1,2,4-Trimethylbenzene	50.0	45.0		ug/Kg		90	70 - 130
1,3,5-Trimethylbenzene	50.0	45.3		ug/Kg		91	70 - 131
Vinyl acetate	50.0	43.9	J	ug/Kg		88	38 - 176
Vinyl chloride	50.0	41.7		ug/Kg		83	58 - 125
m-Xylene & p-Xylene	50.0	47.8		ug/Kg		96	70 - 146
o-Xylene	50.0	46.1		ug/Kg		92	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163766/5
Matrix: Solid
Analysis Batch: 163766

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	37.6		ug/Kg		75	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*112*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: LCSD 720-163766/6
Matrix: Solid
Analysis Batch: 163766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	49.3		ug/Kg		99	70 - 144	2	20
Acetone	250	203		ug/Kg		81	30 - 162	0	30
Benzene	50.0	41.9		ug/Kg		84	70 - 130	1	20
Dichlorobromomethane	50.0	51.5		ug/Kg		103	70 - 131	3	20
Bromobenzene	50.0	47.1		ug/Kg		94	70 - 130	2	20
Chlorobromomethane	50.0	47.5		ug/Kg		95	70 - 130	1	20
Bromoform	50.0	61.0		ug/Kg		122	59 - 158	1	20
Bromomethane	50.0	50.6		ug/Kg		101	59 - 132	3	20
2-Butanone (MEK)	250	207		ug/Kg		83	53 - 124	10	20
n-Butylbenzene	50.0	43.1		ug/Kg		86	70 - 142	2	20
sec-Butylbenzene	50.0	42.1		ug/Kg		84	70 - 136	1	20
tert-Butylbenzene	50.0	43.7		ug/Kg		87	70 - 130	0	20
Carbon disulfide	50.0	40.6		ug/Kg		81	60 - 140	1	20
Carbon tetrachloride	50.0	55.4		ug/Kg		111	70 - 138	1	20
Chlorobenzene	50.0	44.8		ug/Kg		90	70 - 130	0	20
Chloroethane	50.0	41.9		ug/Kg		84	65 - 130	2	20
Chloroform	50.0	48.1		ug/Kg		96	77 - 127	2	20
Chloromethane	50.0	33.4		ug/Kg		67	55 - 140	4	20
2-Chlorotoluene	50.0	42.9		ug/Kg		86	70 - 138	2	20
4-Chlorotoluene	50.0	43.3		ug/Kg		87	70 - 136	2	20
Chlorodibromomethane	50.0	58.4		ug/Kg		117	70 - 146	1	20
1,2-Dichlorobenzene	50.0	45.9		ug/Kg		92	70 - 130	1	20
1,3-Dichlorobenzene	50.0	45.0		ug/Kg		90	70 - 131	0	20
1,4-Dichlorobenzene	50.0	46.1		ug/Kg		92	70 - 130	0	20
1,3-Dichloropropane	50.0	46.9		ug/Kg		94	70 - 140	3	20
1,1-Dichloropropene	50.0	46.9		ug/Kg		94	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/Kg		101	60 - 145	1	20
Ethylene Dibromide	50.0	51.3		ug/Kg		103	70 - 140	2	20
Dibromomethane	50.0	48.9		ug/Kg		98	70 - 139	3	20
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	37 - 158	1	20
1,1-Dichloroethane	50.0	41.8		ug/Kg		84	70 - 130	0	20
1,2-Dichloroethane	50.0	47.6		ug/Kg		95	70 - 130	5	20
1,1-Dichloroethene	50.0	42.1		ug/Kg		84	76 - 122	2	20
cis-1,2-Dichloroethene	50.0	42.0		ug/Kg		84	70 - 138	3	20
trans-1,2-Dichloroethene	50.0	44.0		ug/Kg		88	67 - 130	2	20
1,2-Dichloropropane	50.0	41.7		ug/Kg		83	73 - 127	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163766/6
Matrix: Solid
Analysis Batch: 163766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	50.0	50.2		ug/Kg		100	68 - 147	2	20
trans-1,3-Dichloropropene	50.0	57.6		ug/Kg		115	70 - 136	2	20
Ethylbenzene	50.0	42.5		ug/Kg		85	80 - 137	2	20
Hexachlorobutadiene	50.0	50.0		ug/Kg		100	70 - 132	3	20
2-Hexanone	250	203		ug/Kg		81	44 - 133	11	20
Isopropylbenzene	50.0	45.7		ug/Kg		91	88 - 128	2	20
4-Isopropyltoluene	50.0	44.0		ug/Kg		88	70 - 133	0	20
Methylene Chloride	50.0	44.3		ug/Kg		89	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	208		ug/Kg		83	60 - 160	9	20
Naphthalene	50.0	47.4		ug/Kg		95	60 - 147	1	20
N-Propylbenzene	50.0	41.7		ug/Kg		83	70 - 130	3	20
Styrene	50.0	48.5		ug/Kg		97	70 - 130	0	20
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/Kg		105	70 - 130	0	20
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/Kg		87	70 - 146	3	20
Tetrachloroethene	50.0	48.8		ug/Kg		98	70 - 132	2	20
Toluene	50.0	42.1		ug/Kg		84	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	47.8		ug/Kg		96	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	49.0		ug/Kg		98	60 - 140	3	20
1,1,1-Trichloroethane	50.0	48.0		ug/Kg		96	70 - 130	0	20
1,1,2-Trichloroethane	50.0	46.6		ug/Kg		93	70 - 130	2	20
Trichloroethene	50.0	47.6		ug/Kg		95	70 - 133	2	20
Trichlorofluoromethane	50.0	59.3		ug/Kg		119	60 - 140	1	20
1,2,3-Trichloropropane	50.0	48.4		ug/Kg		97	70 - 146	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.4		ug/Kg		91	60 - 140	3	20
1,2,4-Trimethylbenzene	50.0	44.3		ug/Kg		89	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	44.6		ug/Kg		89	70 - 131	2	20
Vinyl acetate	50.0	43.2	J	ug/Kg		86	38 - 176	2	20
Vinyl chloride	50.0	41.4		ug/Kg		83	58 - 125	1	20
m-Xylene & p-Xylene	50.0	47.2		ug/Kg		94	70 - 146	1	20
o-Xylene	50.0	45.3		ug/Kg		91	70 - 140	2	20
2,2-Dichloropropane	50.0	37.4		ug/Kg		75	70 - 162	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

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

Lab Sample ID: MB 720-163852/1-A
Matrix: Solid
Analysis Batch: 164124

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/28/14 09:43	07/31/14 11:30	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/28/14 09:43	07/31/14 11:30	1

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

Lab Sample ID: MB 720-163852/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164124 — **Prep Batch: 163852**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.002		0 - 1	07/28/14 09:43	07/31/14 11:30	1
p-Terphenyl	105		38 - 148	07/28/14 09:43	07/31/14 11:30	1

Lab Sample ID: LCS 720-163852/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164124 — **Prep Batch: 163852**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.8	60.4		mg/Kg		73	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	119		38 - 148

Lab Sample ID: LCSD 720-163852/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164124 — **Prep Batch: 163852**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.3	49.4		mg/Kg		60	36 - 112	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	115		38 - 148

Lab Sample ID: 720-58628-23 MS — **Client Sample ID: CEG-11(9 1/2-10)**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164124 — **Prep Batch: 163852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		83.1	56.3		mg/Kg		68	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl	111		38 - 148

Lab Sample ID: 720-58628-23 MSD — **Client Sample ID: CEG-11(9 1/2-10)**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164124 — **Prep Batch: 163852**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		82.6	58.3		mg/Kg		71	50 - 150	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
p-Terphenyl	111		38 - 148

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

GC/MS VOA

Analysis Batch: 163766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-18	CEG-7(3-3 1/2)	Total/NA	Solid	8260B/CA_LUFT MS	163806
LCS 720-163766/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-163766/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-163766/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 163806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-18	CEG-7(3-3 1/2)	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 163852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-23	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	3546	
720-58628-23 MS	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	3546	
720-58628-23 MSD	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	3546	
720-58628-25	CEG-1(12 1/2-13)	Silica Gel Cleanup	Solid	3546	
LCS 720-163852/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-163852/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-163852/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 164124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-23	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	8015B	163852
720-58628-23 MS	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	8015B	163852
720-58628-23 MSD	CEG-11(9 1/2-10)	Silica Gel Cleanup	Solid	8015B	163852
LCS 720-163852/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	163852
LCSD 720-163852/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	163852
MB 720-163852/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	163852

Analysis Batch: 164131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58628-25	CEG-1(12 1/2-13)	Silica Gel Cleanup	Solid	8015B	163852

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Client Sample ID: CEG-7(3-3 1/2)

Lab Sample ID: 720-58628-18

Date Collected: 07/14/14 14:15

Matrix: Solid

Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			163806	07/25/14 20:32	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	163766	07/25/14 21:28	ASC	TAL PLS

Client Sample ID: CEG-11(9 1/2-10)

Lab Sample ID: 720-58628-23

Date Collected: 07/14/14 11:30

Matrix: Solid

Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164124	07/31/14 12:58	JL	TAL PLS

Client Sample ID: CEG-1(12 1/2-13)

Lab Sample ID: 720-58628-25

Date Collected: 07/14/14 09:15

Matrix: Solid

Date Received: 07/14/14 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164131	07/31/14 12:43	JL	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58628-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-58628-18	CEG-7(3-3 1/2)	Solid	07/14/14 14:15	07/14/14 16:55
720-58628-23	CEG-11(9 1/2-10)	Solid	07/14/14 11:30	07/14/14 16:55
720-58628-25	CEG-1(12 1/2-13)	Solid	07/14/14 09:15	07/14/14 16:55

720-58628-2

Sharma, Dimple

From: Kurt M. Soenen <ksoenen@cornerstoneearth.com>
Sent: Friday, July 25, 2014 1:30 PM
To: Sharma, Dimple
Subject: Submissions 720-58628 and 720-58654
Attachments: image001.jpg

Dimple –

Please analyze the following "on-hold" soil samples for TPHd/o with silica gel.

CEG-10 (3-3½)
CEG-1 (12½-13)
CEG-5 (3½-4)
CEG-11 (9½-10)
CEG-12 (3½-4)
CEG-13 (3½-4)

Please analyze CEG-7 (3-3½) for VOCs

Sincerely,

Kurt M. Soenen, P.E.
Principal Engineer

CORNERSTONE EARTH GROUP

1259 Oakmead Parkway
Sunnyvale, California 94085
p 408-245-4600 x110
f 408-245-4620
c 408-605-3037
www.cornerstoneearth.com

720-58628 Chain of Custody

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58628-2

Login Number: 58628
List Number: 1
Creator: Mullen, Joan

List Source: TestAmerica Pleasanton

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-58654-1
Client Project/Site: 1 Hanson Court

For:
Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, California 94085

Attn: Kurt Soenen

Authorized for release by:
7/22/2014 5:18:44 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 720-58654-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-58654-1

Comments
No additional comments.

Receipt
The samples were received on 7/15/2014 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.9º C and 2.5º C.

Except:

One or more containers for the following sample(s) was received broken or leaking:

Broke 1 vial (out of 4) for sample CEG-4 in sample control. Did not realize samples were wrapped in the bag and not placed inside the bag.

GC/MS VOA

Method(s) 8260B: The following analyte recovered outside control limits for the LCSD associated with batch 163157: Isopropylbenzene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method(s) 8260B: The following samples 720-58654-1, 5, 9, 10 were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: CEG-1 (720-58654-1), CEG-4 (720-58654-5), CEG-5 (720-58654-9), CEG-7 (720-58654-10).

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

HPLC/IC
Method(s) 7199: The following samples have been determined to be reductive in nature. (440-82954-6), (440-82954-6 MS), (440-82954-6 MSD), (440-82954-6 MSI)

Method(s) 7199: The following samples have been determined to be reductive in nature for Cr(VI), batch 195115CEG-10(0-1/2) (720-58654-28), CEG-12(0-1/2) (720-58654-13)

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

GC Semi VOA
Method(s) 8015B: The following sample(s) required a dilution due to the nature of the sample matrix: CEG-10(0-1/2) (720-58654-28). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

Metals
Method(s) 6010B: The matrix spike (MS) recoveries for prep batch 163145 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Job ID: 720-58654-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

Organic Prep

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

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-1 — Lab Sample ID: 720-58654-1

No Detections.

Client Sample ID: CEG-4(0-1/2) — Lab Sample ID: 720-58654-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	5.6		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	7.2		0.97		mg/Kg	1		6010B	Total/NA
Barium	130		0.49		mg/Kg	1		6010B	Total/NA
Beryllium	0.35		0.097		mg/Kg	1		6010B	Total/NA
Cadmium	2.9		0.12		mg/Kg	1		6010B	Total/NA
Chromium	9.4		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	4.4		0.19		mg/Kg	1		6010B	Total/NA
Copper	13		1.5		mg/Kg	1		6010B	Total/NA
Lead	3.5		0.49		mg/Kg	1		6010B	Total/NA
Molybdenum	3.0		0.49		mg/Kg	1		6010B	Total/NA
Nickel	22		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	12		0.49		mg/Kg	1		6010B	Total/NA
Zinc	51		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.021		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-4 — Lab Sample ID: 720-58654-5

No Detections.

Client Sample ID: CEG-5(0-1/2) — Lab Sample ID: 720-58654-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	81		0.98		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	56		49		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.6		0.86		mg/Kg	1		6010B	Total/NA
Barium	120		0.43		mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.086		mg/Kg	1		6010B	Total/NA
Cadmium	2.4		0.11		mg/Kg	1		6010B	Total/NA
Chromium	9.6		0.43		mg/Kg	1		6010B	Total/NA
Cobalt	4.5		0.17		mg/Kg	1		6010B	Total/NA
Copper	11		1.3		mg/Kg	1		6010B	Total/NA
Lead	3.1		0.43		mg/Kg	1		6010B	Total/NA
Molybdenum	2.6		0.43		mg/Kg	1		6010B	Total/NA
Nickel	23		0.43		mg/Kg	1		6010B	Total/NA
Vanadium	13		0.43		mg/Kg	1		6010B	Total/NA
Zinc	53		1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.047		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-5 — Lab Sample ID: 720-58654-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	57		51		ug/L	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	130		100		ug/L	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-7 — Lab Sample ID: 720-58654-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	6.6		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: CEG-12(0-1/2) — Lab Sample ID: 720-58654-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.6		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.6		0.93		mg/Kg	1		6010B	Total/NA
Barium	130		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.27		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	0.25		0.12		mg/Kg	1		6010B	Total/NA
Chromium	31		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	7.9		0.19		mg/Kg	1		6010B	Total/NA
Copper	14		1.4		mg/Kg	1		6010B	Total/NA
Lead	7.4		0.47		mg/Kg	1		6010B	Total/NA
Nickel	42		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.47		mg/Kg	1		6010B	Total/NA
Zinc	34		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.067		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-13(0-1/2) — Lab Sample ID: 720-58654-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		0.97		mg/Kg	1		6010B	Total/NA
Barium	100		0.49		mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.097		mg/Kg	1		6010B	Total/NA
Cadmium	0.20		0.12		mg/Kg	1		6010B	Total/NA
Chromium	28		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	5.6		0.19		mg/Kg	1		6010B	Total/NA
Copper	13		1.5		mg/Kg	1		6010B	Total/NA
Lead	5.1		0.49		mg/Kg	1		6010B	Total/NA
Nickel	37		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	21		0.49		mg/Kg	1		6010B	Total/NA
Zinc	32		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.051		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-8(0-1/2) — Lab Sample ID: 720-58654-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.5		0.93		mg/Kg	1		6010B	Total/NA
Barium	110		0.46		mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	3.6		0.12		mg/Kg	1		6010B	Total/NA
Chromium	10		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	4.9		0.19		mg/Kg	1		6010B	Total/NA
Copper	11		1.4		mg/Kg	1		6010B	Total/NA
Lead	3.0		0.46		mg/Kg	1		6010B	Total/NA
Molybdenum	3.1		0.46		mg/Kg	1		6010B	Total/NA
Nickel	28		0.46		mg/Kg	1		6010B	Total/NA
Vanadium	16		0.46		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-8(0-1/2) (Continued) — Lab Sample ID: 720-58654-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	61		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.031		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: CEG-10(0-1/2) — Lab Sample ID: 720-58654-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4300		98		mg/Kg	100		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	10000		4900		mg/Kg	100		8015B	Silica Gel Cleanup
Arsenic	5.1		0.93		mg/Kg	1		6010B	Total/NA
Barium	69		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.13		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	1.3		0.12		mg/Kg	1		6010B	Total/NA
Chromium	21		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	6.0		0.19		mg/Kg	1		6010B	Total/NA
Copper	23		1.4		mg/Kg	1		6010B	Total/NA
Lead	46		0.47		mg/Kg	1		6010B	Total/NA
Molybdenum	1.6		0.47		mg/Kg	1		6010B	Total/NA
Nickel	29		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	33		0.47		mg/Kg	1		6010B	Total/NA
Zinc	49		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.035		0.0083		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-1

Date Collected: 07/15/14 07:45
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-1

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/18/14 14:22	1
Acetone	ND		50		ug/L			07/18/14 14:22	1
Benzene	ND		0.50		ug/L			07/18/14 14:22	1
Dichlorobromomethane	ND		0.50		ug/L			07/18/14 14:22	1
Bromobenzene	ND		1.0		ug/L			07/18/14 14:22	1
Chlorobromomethane	ND		1.0		ug/L			07/18/14 14:22	1
Bromoform	ND		1.0		ug/L			07/18/14 14:22	1
Bromomethane	ND		1.0		ug/L			07/18/14 14:22	1
2-Butanone (MEK)	ND		50		ug/L			07/18/14 14:22	1
n-Butylbenzene	ND		1.0		ug/L			07/18/14 14:22	1
sec-Butylbenzene	ND		1.0		ug/L			07/18/14 14:22	1
tert-Butylbenzene	ND		1.0		ug/L			07/18/14 14:22	1
Carbon disulfide	ND		5.0		ug/L			07/18/14 14:22	1
Carbon tetrachloride	ND		0.50		ug/L			07/18/14 14:22	1
Chlorobenzene	ND		0.50		ug/L			07/18/14 14:22	1
Chloroethane	ND		1.0		ug/L			07/18/14 14:22	1
Chloroform	ND		1.0		ug/L			07/18/14 14:22	1
Chloromethane	ND		1.0		ug/L			07/18/14 14:22	1
2-Chlorotoluene	ND		0.50		ug/L			07/18/14 14:22	1
4-Chlorotoluene	ND		0.50		ug/L			07/18/14 14:22	1
Chlorodibromomethane	ND		0.50		ug/L			07/18/14 14:22	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:22	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:22	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:22	1
1,3-Dichloropropane	ND		1.0		ug/L			07/18/14 14:22	1
1,1-Dichloropropene	ND		0.50		ug/L			07/18/14 14:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/18/14 14:22	1
Ethylene Dibromide	ND		0.50		ug/L			07/18/14 14:22	1
Dibromomethane	ND		0.50		ug/L			07/18/14 14:22	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/18/14 14:22	1
1,1-Dichloroethane	ND		0.50		ug/L			07/18/14 14:22	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/14 14:22	1
1,1-Dichloroethene	ND		0.50		ug/L			07/18/14 14:22	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 14:22	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 14:22	1
1,2-Dichloropropane	ND		0.50		ug/L			07/18/14 14:22	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 14:22	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 14:22	1
Ethylbenzene	ND		0.50		ug/L			07/18/14 14:22	1
Hexachlorobutadiene	ND		1.0		ug/L			07/18/14 14:22	1
2-Hexanone	ND		50		ug/L			07/18/14 14:22	1
Isopropylbenzene	ND		0.50		ug/L			07/18/14 14:22	1
4-Isopropyltoluene	ND		1.0		ug/L			07/18/14 14:22	1
Methylene Chloride	ND		5.0		ug/L			07/18/14 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/18/14 14:22	1
Naphthalene	ND		1.0		ug/L			07/18/14 14:22	1
N-Propylbenzene	ND		1.0		ug/L			07/18/14 14:22	1
Styrene	ND		0.50		ug/L			07/18/14 14:22	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 14:22	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-1

Date Collected: 07/15/14 07:45
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-1

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 14:22	1
Tetrachloroethene	ND		0.50		ug/L			07/18/14 14:22	1
Toluene	ND		0.50		ug/L			07/18/14 14:22	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/18/14 14:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/18/14 14:22	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/18/14 14:22	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/18/14 14:22	1
Trichloroethene	ND		0.50		ug/L			07/18/14 14:22	1
Trichlorofluoromethane	ND		1.0		ug/L			07/18/14 14:22	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/18/14 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/18/14 14:22	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/18/14 14:22	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/18/14 14:22	1
Vinyl acetate	ND		10		ug/L			07/18/14 14:22	1
Vinyl chloride	ND		0.50		ug/L			07/18/14 14:22	1
Xylenes, Total	ND		1.0		ug/L			07/18/14 14:22	1
2,2-Dichloropropane	ND		0.50		ug/L			07/18/14 14:22	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/14 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*07/18/14 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 130*		*07/18/14 14:22*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/18/14 14:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/17/14 23:55	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/17/14 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 5*	*07/17/14 09:50*	*07/17/14 23:55*	*1*
p-Terphenyl	*87*		*31 - 150*	*07/17/14 09:50*	*07/17/14 23:55*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/15/14 20:41	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-4(0-1/2)

Lab Sample ID: 720-58654-2

Date Collected: 07/15/14 08:20

Matrix: Solid

Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Acetone	ND		42		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Benzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Dichlorobromomethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Bromobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chlorobromomethane	ND		17		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Bromoform	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Bromomethane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
2-Butanone (MEK)	ND		42		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
n-Butylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
sec-Butylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
tert-Butylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Carbon disulfide	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Carbon tetrachloride	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chloroethane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chloroform	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chloromethane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
2-Chlorotoluene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
4-Chlorotoluene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Chlorodibromomethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2-Dichlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,3-Dichlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,4-Dichlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,3-Dichloropropane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1-Dichloropropene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2-Dibromo-3-Chloropropane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Ethylene Dibromide	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Dibromomethane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Dichlorodifluoromethane	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1-Dichloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2-Dichloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1-Dichloroethene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2-Dichloropropane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
cis-1,3-Dichloropropene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
trans-1,3-Dichloropropene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Ethylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Hexachlorobutadiene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
2-Hexanone	ND		42		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Isopropylbenzene	ND	*	4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
4-Isopropyltoluene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Methylene Chloride	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		42		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Naphthalene	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
N-Propylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Styrene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-4(0-1/2)

Date Collected: 07/15/14 08:20
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-2

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Tetrachloroethene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Toluene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2,3-Trichlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2,4-Trichlorobenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1,1-Trichloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1,2-Trichloroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Trichloroethene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Trichlorofluoromethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2,3-Trichloropropane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,2,4-Trimethylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
1,3,5-Trimethylbenzene	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Vinyl acetate	ND		42		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Vinyl chloride	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Xylenes, Total	ND		8.4		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/16/14 12:20	07/17/14 16:30	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/16/14 12:20	07/17/14 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*07/16/14 12:20*	*07/17/14 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*07/16/14 12:20*	*07/17/14 16:30*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*07/16/14 12:20*	*07/17/14 16:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.6**		0.99		mg/Kg		07/18/14 16:43	07/19/14 22:40	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 16:43	07/19/14 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.06*		*0 - 1*	*07/18/14 16:43*	*07/19/14 22:40*	*1*
p-Terphenyl	*123*		*38 - 148*	*07/18/14 16:43*	*07/19/14 22:40*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/17/14 17:19	07/21/14 11:16	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Arsenic	**7.2**		0.97		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Barium	**130**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Beryllium	**0.35**		0.097		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Cadmium	**2.9**		0.12		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Chromium	**9.4**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Cobalt	**4.4**		0.19		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Copper	**13**		1.5		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Lead	**3.5**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Molybdenum	**3.0**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Nickel	**22**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-4(0-1/2)

Lab Sample ID: 720-58654-2

Date Collected: 07/15/14 08:20

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.97		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Silver	ND		0.24		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Thallium	ND		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Vanadium	**12**		0.49		mg/Kg		07/16/14 19:34	07/18/14 10:45	1
Zinc	**51**		1.5		mg/Kg		07/16/14 19:34	07/18/14 10:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.0086		mg/Kg		07/17/14 14:53	07/18/14 15:26	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-4

Lab Sample ID: 720-58654-5

Date Collected: 07/15/14 08:45
Matrix: Water
Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/18/14 14:51	1
Acetone	ND		50		ug/L			07/18/14 14:51	1
Benzene	ND		0.50		ug/L			07/18/14 14:51	1
Dichlorobromomethane	ND		0.50		ug/L			07/18/14 14:51	1
Bromobenzene	ND		1.0		ug/L			07/18/14 14:51	1
Chlorobromomethane	ND		1.0		ug/L			07/18/14 14:51	1
Bromoform	ND		1.0		ug/L			07/18/14 14:51	1
Bromomethane	ND		1.0		ug/L			07/18/14 14:51	1
2-Butanone (MEK)	ND		50		ug/L			07/18/14 14:51	1
n-Butylbenzene	ND		1.0		ug/L			07/18/14 14:51	1
sec-Butylbenzene	ND		1.0		ug/L			07/18/14 14:51	1
tert-Butylbenzene	ND		1.0		ug/L			07/18/14 14:51	1
Carbon disulfide	ND		5.0		ug/L			07/18/14 14:51	1
Carbon tetrachloride	ND		0.50		ug/L			07/18/14 14:51	1
Chlorobenzene	ND		0.50		ug/L			07/18/14 14:51	1
Chloroethane	ND		1.0		ug/L			07/18/14 14:51	1
Chloroform	ND		1.0		ug/L			07/18/14 14:51	1
Chloromethane	ND		1.0		ug/L			07/18/14 14:51	1
2-Chlorotoluene	ND		0.50		ug/L			07/18/14 14:51	1
4-Chlorotoluene	ND		0.50		ug/L			07/18/14 14:51	1
Chlorodibromomethane	ND		0.50		ug/L			07/18/14 14:51	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:51	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:51	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/18/14 14:51	1
1,3-Dichloropropane	ND		1.0		ug/L			07/18/14 14:51	1
1,1-Dichloropropene	ND		0.50		ug/L			07/18/14 14:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/18/14 14:51	1
Ethylene Dibromide	ND		0.50		ug/L			07/18/14 14:51	1
Dibromomethane	ND		0.50		ug/L			07/18/14 14:51	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/18/14 14:51	1
1,1-Dichloroethane	ND		0.50		ug/L			07/18/14 14:51	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/14 14:51	1
1,1-Dichloroethene	ND		0.50		ug/L			07/18/14 14:51	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 14:51	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 14:51	1
1,2-Dichloropropane	ND		0.50		ug/L			07/18/14 14:51	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 14:51	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 14:51	1
Ethylbenzene	ND		0.50		ug/L			07/18/14 14:51	1
Hexachlorobutadiene	ND		1.0		ug/L			07/18/14 14:51	1
2-Hexanone	ND		50		ug/L			07/18/14 14:51	1
Isopropylbenzene	ND		0.50		ug/L			07/18/14 14:51	1
4-Isopropyltoluene	ND		1.0		ug/L			07/18/14 14:51	1
Methylene Chloride	ND		5.0		ug/L			07/18/14 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/18/14 14:51	1
Naphthalene	ND		1.0		ug/L			07/18/14 14:51	1
N-Propylbenzene	ND		1.0		ug/L			07/18/14 14:51	1
Styrene	ND		0.50		ug/L			07/18/14 14:51	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 14:51	1

Client Sample ID: CEG-4

Lab Sample ID: 720-58654-5

Date Collected: 07/15/14 08:45

Matrix: Water

Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 14:51	1
Tetrachloroethene	ND		0.50		ug/L			07/18/14 14:51	1
Toluene	ND		0.50		ug/L			07/18/14 14:51	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/18/14 14:51	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/18/14 14:51	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/18/14 14:51	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/18/14 14:51	1
Trichloroethene	ND		0.50		ug/L			07/18/14 14:51	1
Trichlorofluoromethane	ND		1.0		ug/L			07/18/14 14:51	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/18/14 14:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/18/14 14:51	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/18/14 14:51	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/18/14 14:51	1
Vinyl acetate	ND		10		ug/L			07/18/14 14:51	1
Vinyl chloride	ND		0.50		ug/L			07/18/14 14:51	1
Xylenes, Total	ND		1.0		ug/L			07/18/14 14:51	1
2,2-Dichloropropane	ND		0.50		ug/L			07/18/14 14:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/14 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*07/18/14 14:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*		*07/18/14 14:51*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/18/14 14:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/18/14 00:19	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/18/14 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 5*	*07/17/14 09:50*	*07/18/14 00:19*	*1*
p-Terphenyl	*89*		*31 - 150*	*07/17/14 09:50*	*07/18/14 00:19*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/15/14 20:41	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-5(0-1/2)

Lab Sample ID: 720-58654-6

Date Collected: 07/15/14 10:00

Matrix: Solid

Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Acetone	ND		38		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Benzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Dichlorobromomethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Bromobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chlorobromomethane	ND		15		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Bromoform	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Bromomethane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
2-Butanone (MEK)	ND		38		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
n-Butylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
sec-Butylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
tert-Butylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Carbon disulfide	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Carbon tetrachloride	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chloroethane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chloroform	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chloromethane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
2-Chlorotoluene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
4-Chlorotoluene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Chlorodibromomethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,3-Dichloropropane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1-Dichloropropene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2-Dibromo-3-Chloropropane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Ethylene Dibromide	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Dibromomethane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Dichlorodifluoromethane	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1-Dichloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2-Dichloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1-Dichloroethene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2-Dichloropropane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Ethylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Hexachlorobutadiene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
2-Hexanone	ND		38		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Isopropylbenzene	ND	*	3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
4-Isopropyltoluene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Methylene Chloride	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Naphthalene	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
N-Propylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Styrene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1

Client Sample ID: CEG-5(0-1/2)

Lab Sample ID: 720-58654-6

Date Collected: 07/15/14 10:00

Matrix: Solid

Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Tetrachloroethene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Toluene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Trichloroethene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Trichlorofluoromethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Vinyl acetate	ND		38		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Vinyl chloride	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Xylenes, Total	ND		7.5		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
2,2-Dichloropropane	ND		3.8		ug/Kg		07/16/14 12:20	07/17/14 16:59	1
Gasoline Range Organics (GRO) -C5-C12	ND		190		ug/Kg		07/16/14 12:20	07/17/14 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*	*07/16/14 12:20*	*07/17/14 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*07/16/14 12:20*	*07/17/14 16:59*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*07/16/14 12:20*	*07/17/14 16:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**81**		0.98		mg/Kg		07/18/14 16:43	07/19/14 23:05	1
Motor Oil Range Organics [C24-C36]	**56**		49		mg/Kg		07/18/14 16:43	07/19/14 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.6*		*0 - 1*	*07/18/14 16:43*	*07/19/14 23:05*	*1*
p-Terphenyl	*97*		*38 - 148*	*07/18/14 16:43*	*07/19/14 23:05*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.81		mg/Kg		07/17/14 17:19	07/21/14 11:30	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Arsenic	**6.6**		0.86		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Barium	**120**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Beryllium	**0.29**		0.086		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Cadmium	**2.4**		0.11		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Chromium	**9.6**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Cobalt	**4.5**		0.17		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Copper	**11**		1.3		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Lead	**3.1**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Molybdenum	**2.6**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-5(0-1/2)

Lab Sample ID: 720-58654-6

Date Collected: 07/15/14 10:00

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**23**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Selenium	ND		0.86		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Silver	ND		0.22		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Thallium	ND		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Vanadium	**13**		0.43		mg/Kg		07/16/14 19:34	07/18/14 10:50	1
Zinc	**53**		1.3		mg/Kg		07/16/14 19:34	07/18/14 10:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.047**		0.0088		mg/Kg		07/17/14 14:53	07/18/14 15:33	1

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-5
Date Collected: 07/15/14 10:15
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-9
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/18/14 15:20	1
Acetone	ND		50		ug/L			07/18/14 15:20	1
Benzene	ND		0.50		ug/L			07/18/14 15:20	1
Dichlorobromomethane	ND		0.50		ug/L			07/18/14 15:20	1
Bromobenzene	ND		1.0		ug/L			07/18/14 15:20	1
Chlorobromomethane	ND		1.0		ug/L			07/18/14 15:20	1
Bromoform	ND		1.0		ug/L			07/18/14 15:20	1
Bromomethane	ND		1.0		ug/L			07/18/14 15:20	1
2-Butanone (MEK)	ND		50		ug/L			07/18/14 15:20	1
n-Butylbenzene	ND		1.0		ug/L			07/18/14 15:20	1
sec-Butylbenzene	ND		1.0		ug/L			07/18/14 15:20	1
tert-Butylbenzene	ND		1.0		ug/L			07/18/14 15:20	1
Carbon disulfide	ND		5.0		ug/L			07/18/14 15:20	1
Carbon tetrachloride	ND		0.50		ug/L			07/18/14 15:20	1
Chlorobenzene	ND		0.50		ug/L			07/18/14 15:20	1
Chloroethane	ND		1.0		ug/L			07/18/14 15:20	1
Chloroform	ND		1.0		ug/L			07/18/14 15:20	1
Chloromethane	ND		1.0		ug/L			07/18/14 15:20	1
2-Chlorotoluene	ND		0.50		ug/L			07/18/14 15:20	1
4-Chlorotoluene	ND		0.50		ug/L			07/18/14 15:20	1
Chlorodibromomethane	ND		0.50		ug/L			07/18/14 15:20	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:20	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:20	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:20	1
1,3-Dichloropropane	ND		1.0		ug/L			07/18/14 15:20	1
1,1-Dichloropropene	ND		0.50		ug/L			07/18/14 15:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/18/14 15:20	1
Ethylene Dibromide	ND		0.50		ug/L			07/18/14 15:20	1
Dibromomethane	ND		0.50		ug/L			07/18/14 15:20	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/18/14 15:20	1
1,1-Dichloroethane	ND		0.50		ug/L			07/18/14 15:20	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/14 15:20	1
1,1-Dichloroethene	ND		0.50		ug/L			07/18/14 15:20	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 15:20	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 15:20	1
1,2-Dichloropropane	ND		0.50		ug/L			07/18/14 15:20	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 15:20	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 15:20	1
Ethylbenzene	ND		0.50		ug/L			07/18/14 15:20	1
Hexachlorobutadiene	ND		1.0		ug/L			07/18/14 15:20	1
2-Hexanone	ND		50		ug/L			07/18/14 15:20	1
Isopropylbenzene	ND		0.50		ug/L			07/18/14 15:20	1
4-Isopropyltoluene	ND		1.0		ug/L			07/18/14 15:20	1
Methylene Chloride	ND		5.0		ug/L			07/18/14 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/18/14 15:20	1
Naphthalene	ND		1.0		ug/L			07/18/14 15:20	1
N-Propylbenzene	ND		1.0		ug/L			07/18/14 15:20	1
Styrene	ND		0.50		ug/L			07/18/14 15:20	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 15:20	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-5

Date Collected: 07/15/14 10:15
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-9

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 15:20	1
Tetrachloroethene	ND		0.50		ug/L			07/18/14 15:20	1
Toluene	ND		0.50		ug/L			07/18/14 15:20	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/18/14 15:20	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/18/14 15:20	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/18/14 15:20	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/18/14 15:20	1
Trichloroethene	ND		0.50		ug/L			07/18/14 15:20	1
Trichlorofluoromethane	ND		1.0		ug/L			07/18/14 15:20	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/18/14 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/18/14 15:20	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/18/14 15:20	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/18/14 15:20	1
Vinyl acetate	ND		10		ug/L			07/18/14 15:20	1
Vinyl chloride	ND		0.50		ug/L			07/18/14 15:20	1
Xylenes, Total	ND		1.0		ug/L			07/18/14 15:20	1
2,2-Dichloropropane	ND		0.50		ug/L			07/18/14 15:20	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/14 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*07/18/14 15:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*07/18/14 15:20*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/18/14 15:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**57**		51		ug/L		07/17/14 09:50	07/18/14 00:43	1
Motor Oil Range Organics [C24-C36]	**130**		100		ug/L		07/17/14 09:50	07/18/14 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 5*	*07/17/14 09:50*	*07/18/14 00:43*	*1*
p-Terphenyl	*78*		*31 - 150*	*07/17/14 09:50*	*07/18/14 00:43*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/15/14 20:41	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-7

Lab Sample ID: 720-58654-10

Date Collected: 07/15/14 12:00
Matrix: Water
Date Received: 07/15/14 17:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**6.6**		0.50		ug/L			07/18/14 15:49	1
Acetone	ND		50		ug/L			07/18/14 15:49	1
Benzene	ND		0.50		ug/L			07/18/14 15:49	1
Dichlorobromomethane	ND		0.50		ug/L			07/18/14 15:49	1
Bromobenzene	ND		1.0		ug/L			07/18/14 15:49	1
Chlorobromomethane	ND		1.0		ug/L			07/18/14 15:49	1
Bromoform	ND		1.0		ug/L			07/18/14 15:49	1
Bromomethane	ND		1.0		ug/L			07/18/14 15:49	1
2-Butanone (MEK)	ND		50		ug/L			07/18/14 15:49	1
n-Butylbenzene	ND		1.0		ug/L			07/18/14 15:49	1
sec-Butylbenzene	ND		1.0		ug/L			07/18/14 15:49	1
tert-Butylbenzene	ND		1.0		ug/L			07/18/14 15:49	1
Carbon disulfide	ND		5.0		ug/L			07/18/14 15:49	1
Carbon tetrachloride	ND		0.50		ug/L			07/18/14 15:49	1
Chlorobenzene	ND		0.50		ug/L			07/18/14 15:49	1
Chloroethane	ND		1.0		ug/L			07/18/14 15:49	1
Chloroform	ND		1.0		ug/L			07/18/14 15:49	1
Chloromethane	ND		1.0		ug/L			07/18/14 15:49	1
2-Chlorotoluene	ND		0.50		ug/L			07/18/14 15:49	1
4-Chlorotoluene	ND		0.50		ug/L			07/18/14 15:49	1
Chlorodibromomethane	ND		0.50		ug/L			07/18/14 15:49	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/18/14 15:49	1
1,3-Dichloropropane	ND		1.0		ug/L			07/18/14 15:49	1
1,1-Dichloropropene	ND		0.50		ug/L			07/18/14 15:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/18/14 15:49	1
Ethylene Dibromide	ND		0.50		ug/L			07/18/14 15:49	1
Dibromomethane	ND		0.50		ug/L			07/18/14 15:49	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/18/14 15:49	1
1,1-Dichloroethane	ND		0.50		ug/L			07/18/14 15:49	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/14 15:49	1
1,1-Dichloroethene	ND		0.50		ug/L			07/18/14 15:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 15:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 15:49	1
1,2-Dichloropropane	ND		0.50		ug/L			07/18/14 15:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 15:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 15:49	1
Ethylbenzene	ND		0.50		ug/L			07/18/14 15:49	1
Hexachlorobutadiene	ND		1.0		ug/L			07/18/14 15:49	1
2-Hexanone	ND		50		ug/L			07/18/14 15:49	1
Isopropylbenzene	ND		0.50		ug/L			07/18/14 15:49	1
4-Isopropyltoluene	ND		1.0		ug/L			07/18/14 15:49	1
Methylene Chloride	ND		5.0		ug/L			07/18/14 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/18/14 15:49	1
Naphthalene	ND		1.0		ug/L			07/18/14 15:49	1
N-Propylbenzene	ND		1.0		ug/L			07/18/14 15:49	1
Styrene	ND		0.50		ug/L			07/18/14 15:49	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 15:49	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-7

Date Collected: 07/15/14 12:00
Date Received: 07/15/14 17:10

Lab Sample ID: 720-58654-10

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 15:49	1
Tetrachloroethene	ND		0.50		ug/L			07/18/14 15:49	1
Toluene	ND		0.50		ug/L			07/18/14 15:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/18/14 15:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/18/14 15:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/18/14 15:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/18/14 15:49	1
Trichloroethene	ND		0.50		ug/L			07/18/14 15:49	1
Trichlorofluoromethane	ND		1.0		ug/L			07/18/14 15:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/18/14 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/18/14 15:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/18/14 15:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/18/14 15:49	1
Vinyl acetate	ND		10		ug/L			07/18/14 15:49	1
Vinyl chloride	ND		0.50		ug/L			07/18/14 15:49	1
Xylenes, Total	ND		1.0		ug/L			07/18/14 15:49	1
2,2-Dichloropropane	ND		0.50		ug/L			07/18/14 15:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/14 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*07/18/14 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*07/18/14 15:49*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/18/14 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/18/14 01:07	1
Motor Oil Range Organics [C24-C36]	ND		100		ug/L		07/17/14 09:50	07/18/14 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 5*	*07/17/14 09:50*	*07/18/14 01:07*	*1*
p-Terphenyl	*80*		*31 - 150*	*07/17/14 09:50*	*07/18/14 01:07*	*1*

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/15/14 20:41	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-12(0-1/2)

Lab Sample ID: 720-58654-13

Date Collected: 07/15/14 10:55
Matrix: Solid
Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.6**		1.0		mg/Kg		07/18/14 16:43	07/19/14 23:29	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/18/14 16:43	07/19/14 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*07/18/14 16:43*	*07/19/14 23:29*	*1*
p-Terphenyl	*110*		*38 - 148*	*07/18/14 16:43*	*07/19/14 23:29*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/17/14 17:19	07/21/14 11:44	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Arsenic	**3.6**		0.93		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Barium	**130**		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Beryllium	**0.27**		0.093		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Cadmium	**0.25**		0.12		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Chromium	**31**		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Cobalt	**7.9**		0.19		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Copper	**14**		1.4		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Lead	**7.4**		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Molybdenum	ND		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Nickel	**42**		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Selenium	ND		0.93		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Silver	ND		0.23		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Thallium	ND		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Vanadium	**24**		0.47		mg/Kg		07/16/14 19:34	07/18/14 10:55	1
Zinc	**34**		1.4		mg/Kg		07/16/14 19:34	07/18/14 10:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.067**		0.0090		mg/Kg		07/17/14 14:53	07/18/14 15:36	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-13(0-1/2)

Lab Sample ID: 720-58654-18

Date Collected: 07/15/14 11:20
Matrix: Solid
Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg		07/18/14 16:43	07/19/14 23:53	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 16:43	07/19/14 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.04*		*0 - 1*	*07/18/14 16:43*	*07/19/14 23:53*	*1*
p-Terphenyl	*112*		*38 - 148*	*07/18/14 16:43*	*07/19/14 23:53*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/17/14 17:19	07/21/14 11:57	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Arsenic	**2.9**		0.97		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Barium	**100**		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Beryllium	**0.29**		0.097		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Cadmium	**0.20**		0.12		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Chromium	**28**		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Cobalt	**5.6**		0.19		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Copper	**13**		1.5		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Lead	**5.1**		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Molybdenum	ND		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Nickel	**37**		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Selenium	ND		0.97		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Silver	ND		0.24		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Thallium	ND		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Vanadium	**21**		0.49		mg/Kg		07/16/14 19:34	07/18/14 11:00	1
Zinc	**32**		1.5		mg/Kg		07/16/14 19:34	07/18/14 11:00	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.0087		mg/Kg		07/17/14 14:53	07/18/14 15:38	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-8(0-1/2)

Lab Sample ID: 720-58654-25

Date Collected: 07/15/14 12:25
Matrix: Solid
Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg		07/18/14 16:43	07/20/14 00:18	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 16:43	07/20/14 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*07/18/14 16:43*	*07/20/14 00:18*	*1*
p-Terphenyl	*111*		*38 - 148*	*07/18/14 16:43*	*07/20/14 00:18*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		07/17/14 17:19	07/21/14 12:11	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Arsenic	**7.5**		0.93		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Barium	**110**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Beryllium	**0.29**		0.093		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Cadmium	**3.6**		0.12		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Chromium	**10**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Cobalt	**4.9**		0.19		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Copper	**11**		1.4		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Lead	**3.0**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Molybdenum	**3.1**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Nickel	**28**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Selenium	ND		0.93		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Silver	ND		0.23		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Thallium	ND		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Vanadium	**16**		0.46		mg/Kg		07/16/14 19:34	07/18/14 11:05	1
Zinc	**61**		1.4		mg/Kg		07/16/14 19:34	07/18/14 11:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.0090		mg/Kg		07/17/14 14:53	07/18/14 15:40	1

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-10(0-1/2)

Lab Sample ID: 720-58654-28

Date Collected: 07/15/14 12:50
Matrix: Solid
Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4300		98		mg/Kg		07/18/14 16:43	07/21/14 11:37	100
Motor Oil Range Organics [C24-C36]	10000		4900		mg/Kg		07/18/14 16:43	07/21/14 11:37	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*07/18/14 16:43*	*07/21/14 11:37*	*100*
p-Terphenyl	*0*	*X D*	*38 - 148*	*07/18/14 16:43*	*07/21/14 11:37*	*100*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/17/14 17:19	07/21/14 12:25	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Arsenic	5.1		0.93		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Barium	69		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Beryllium	0.13		0.093		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Cadmium	1.3		0.12		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Chromium	21		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Cobalt	6.0		0.19		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Copper	23		1.4		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Lead	46		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Molybdenum	1.6		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Nickel	29		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Selenium	ND		0.93		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Silver	ND		0.23		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Thallium	ND		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Vanadium	33		0.47		mg/Kg		07/16/14 19:34	07/18/14 11:10	1
Zinc	49		1.4		mg/Kg		07/16/14 19:34	07/18/14 11:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.0083		mg/Kg		07/17/14 14:53	07/18/14 15:43	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-163157/4
Matrix: Solid
Analysis Batch: 163157

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			07/17/14 08:44	1
Acetone	ND		50		ug/Kg			07/17/14 08:44	1
Benzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Dichlorobromomethane	ND		5.0		ug/Kg			07/17/14 08:44	1
Bromobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Chlorobromomethane	ND		20		ug/Kg			07/17/14 08:44	1
Bromoform	ND		5.0		ug/Kg			07/17/14 08:44	1
Bromomethane	ND		10		ug/Kg			07/17/14 08:44	1
2-Butanone (MEK)	ND		50		ug/Kg			07/17/14 08:44	1
n-Butylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
sec-Butylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
tert-Butylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Carbon disulfide	ND		5.0		ug/Kg			07/17/14 08:44	1
Carbon tetrachloride	ND		5.0		ug/Kg			07/17/14 08:44	1
Chlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Chloroethane	ND		10		ug/Kg			07/17/14 08:44	1
Chloroform	ND		5.0		ug/Kg			07/17/14 08:44	1
Chloromethane	ND		10		ug/Kg			07/17/14 08:44	1
2-Chlorotoluene	ND		5.0		ug/Kg			07/17/14 08:44	1
4-Chlorotoluene	ND		5.0		ug/Kg			07/17/14 08:44	1
Chlorodibromomethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,3-Dichloropropane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1-Dichloropropene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/17/14 08:44	1
Ethylene Dibromide	ND		5.0		ug/Kg			07/17/14 08:44	1
Dibromomethane	ND		10		ug/Kg			07/17/14 08:44	1
Dichlorodifluoromethane	ND		10		ug/Kg			07/17/14 08:44	1
1,1-Dichloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg			07/17/14 08:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/17/14 08:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2-Dichloropropane	ND		5.0		ug/Kg			07/17/14 08:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			07/17/14 08:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			07/17/14 08:44	1
Ethylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg			07/17/14 08:44	1
2-Hexanone	ND		50		ug/Kg			07/17/14 08:44	1
Isopropylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
4-Isopropyltoluene	ND		5.0		ug/Kg			07/17/14 08:44	1
Methylene Chloride	ND		10		ug/Kg			07/17/14 08:44	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			07/17/14 08:44	1
Naphthalene	ND		10		ug/Kg			07/17/14 08:44	1
N-Propylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Styrene	ND		5.0		ug/Kg			07/17/14 08:44	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163157/4
Matrix: Solid
Analysis Batch: 163157

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
Tetrachloroethene	ND		5.0		ug/Kg			07/17/14 08:44	1
Toluene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
Trichloroethene	ND		5.0		ug/Kg			07/17/14 08:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			07/17/14 08:44	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			07/17/14 08:44	1
Vinyl acetate	ND		50		ug/Kg			07/17/14 08:44	1
Vinyl chloride	ND		5.0		ug/Kg			07/17/14 08:44	1
Xylenes, Total	ND		10		ug/Kg			07/17/14 08:44	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/17/14 08:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/17/14 08:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*45 - 131*		*07/17/14 08:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*		*07/17/14 08:44*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*		*07/17/14 08:44*	*1*

Lab Sample ID: LCS 720-163157/5
Matrix: Solid
Analysis Batch: 163157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	44.0		ug/Kg		88	70 - 144
Acetone	250	261		ug/Kg		105	30 - 162
Benzene	50.0	42.9		ug/Kg		86	70 - 130
Dichlorobromomethane	50.0	44.9		ug/Kg		90	70 - 131
Bromobenzene	50.0	46.5		ug/Kg		93	70 - 130
Chlorobromomethane	50.0	45.0		ug/Kg		90	70 - 130
Bromoform	50.0	52.9		ug/Kg		106	59 - 158
Bromomethane	50.0	46.2		ug/Kg		92	59 - 132
2-Butanone (MEK)	250	224		ug/Kg		90	53 - 124
n-Butylbenzene	50.0	45.3		ug/Kg		91	70 - 142
sec-Butylbenzene	50.0	43.2		ug/Kg		86	70 - 136
tert-Butylbenzene	50.0	43.4		ug/Kg		87	70 - 130
Carbon disulfide	50.0	44.9		ug/Kg		90	60 - 140
Carbon tetrachloride	50.0	46.0		ug/Kg		92	70 - 138
Chlorobenzene	50.0	44.4		ug/Kg		89	70 - 130
Chloroethane	50.0	42.8		ug/Kg		86	65 - 130
Chloroform	50.0	43.4		ug/Kg		87	77 - 127

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163157/5
Matrix: Solid
Analysis Batch: 163157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	37.7		ug/Kg		75	55 - 140
2-Chlorotoluene	50.0	43.2		ug/Kg		86	70 - 138
4-Chlorotoluene	50.0	44.0		ug/Kg		88	70 - 136
Chlorodibromomethane	50.0	49.1		ug/Kg		98	70 - 146
1,2-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 130
1,3-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 131
1,4-Dichlorobenzene	50.0	46.1		ug/Kg		92	70 - 130
1,3-Dichloropropane	50.0	43.9		ug/Kg		88	70 - 140
1,1-Dichloropropene	50.0	45.9		ug/Kg		92	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/Kg		96	60 - 145
Ethylene Dibromide	50.0	46.6		ug/Kg		93	70 - 140
Dibromomethane	50.0	44.4		ug/Kg		89	70 - 139
Dichlorodifluoromethane	50.0	39.2		ug/Kg		78	37 - 158
1,1-Dichloroethane	50.0	43.0		ug/Kg		86	70 - 130
1,2-Dichloroethane	50.0	40.2		ug/Kg		80	70 - 130
1,1-Dichloroethene	50.0	44.0		ug/Kg		88	76 - 122
cis-1,2-Dichloroethene	50.0	41.7		ug/Kg		83	70 - 138
trans-1,2-Dichloroethene	50.0	45.8		ug/Kg		92	67 - 130
1,2-Dichloropropane	50.0	43.6		ug/Kg		87	73 - 127
cis-1,3-Dichloropropene	50.0	47.9		ug/Kg		96	68 - 147
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	70 - 136
Ethylbenzene	50.0	41.3		ug/Kg		83	80 - 137
Hexachlorobutadiene	50.0	45.6		ug/Kg		91	70 - 132
2-Hexanone	250	213		ug/Kg		85	44 - 133
Isopropylbenzene	50.0	44.1		ug/Kg		88	88 - 128
4-Isopropyltoluene	50.0	44.1		ug/Kg		88	70 - 133
Methylene Chloride	50.0	43.3		ug/Kg		87	70 - 134
4-Methyl-2-pentanone (MIBK)	250	216		ug/Kg		87	60 - 160
Naphthalene	50.0	45.3		ug/Kg		91	60 - 147
N-Propylbenzene	50.0	43.6		ug/Kg		87	70 - 130
Styrene	50.0	48.2		ug/Kg		96	70 - 130
1,1,1,2-Tetrachloroethane	50.0	46.8		ug/Kg		94	70 - 130
1,1,2,2-Tetrachloroethane	50.0	45.9		ug/Kg		92	70 - 146
Tetrachloroethene	50.0	45.6		ug/Kg		91	70 - 132
Toluene	50.0	43.6		ug/Kg		87	80 - 128
1,2,3-Trichlorobenzene	50.0	44.7		ug/Kg		89	60 - 140
1,2,4-Trichlorobenzene	50.0	47.7		ug/Kg		95	60 - 140
1,1,1-Trichloroethane	50.0	42.3		ug/Kg		85	70 - 130
1,1,2-Trichloroethane	50.0	44.4		ug/Kg		89	70 - 130
Trichloroethene	50.0	45.5		ug/Kg		91	70 - 133
Trichlorofluoromethane	50.0	49.7		ug/Kg		99	60 - 140
1,2,3-Trichloropropane	50.0	46.1		ug/Kg		92	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.4		ug/Kg		87	60 - 140
1,2,4-Trimethylbenzene	50.0	44.2		ug/Kg		88	70 - 130
1,3,5-Trimethylbenzene	50.0	44.9		ug/Kg		90	70 - 131
Vinyl acetate	50.0	50.0		ug/Kg		100	38 - 176
Vinyl chloride	50.0	38.8		ug/Kg		78	58 - 125

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163157/5
Matrix: Solid
Analysis Batch: 163157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	50.0	45.7		ug/Kg		91	70 - 146
o-Xylene	50.0	43.2		ug/Kg		86	70 - 140
2,2-Dichloropropane	50.0	39.3		ug/Kg		79	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCS 720-163157/7
Matrix: Solid
Analysis Batch: 163157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	983		ug/Kg		98	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCSD 720-163157/6
Matrix: Solid
Analysis Batch: 163157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	44.1		ug/Kg		88	70 - 144	0	20
Acetone	250	259		ug/Kg		103	30 - 162	1	30
Benzene	50.0	43.1		ug/Kg		86	70 - 130	0	20
Dichlorobromomethane	50.0	44.6		ug/Kg		89	70 - 131	1	20
Bromobenzene	50.0	46.7		ug/Kg		93	70 - 130	0	20
Chlorobromomethane	50.0	44.8		ug/Kg		90	70 - 130	1	20
Bromoform	50.0	53.2		ug/Kg		106	59 - 158	1	20
Bromomethane	50.0	45.5		ug/Kg		91	59 - 132	2	20
2-Butanone (MEK)	250	212		ug/Kg		85	53 - 124	6	20
n-Butylbenzene	50.0	44.6		ug/Kg		89	70 - 142	1	20
sec-Butylbenzene	50.0	43.1		ug/Kg		86	70 - 136	0	20
tert-Butylbenzene	50.0	43.4		ug/Kg		87	70 - 130	0	20
Carbon disulfide	50.0	45.0		ug/Kg		90	60 - 140	0	20
Carbon tetrachloride	50.0	45.9		ug/Kg		92	70 - 138	0	20
Chlorobenzene	50.0	44.4		ug/Kg		89	70 - 130	0	20
Chloroethane	50.0	42.6		ug/Kg		85	65 - 130	1	20
Chloroform	50.0	42.8		ug/Kg		86	77 - 127	1	20
Chloromethane	50.0	36.8		ug/Kg		74	55 - 140	3	20
2-Chlorotoluene	50.0	43.2		ug/Kg		86	70 - 138	0	20
4-Chlorotoluene	50.0	43.7		ug/Kg		87	70 - 136	1	20
Chlorodibromomethane	50.0	48.8		ug/Kg		98	70 - 146	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163157/6
Matrix: Solid
Analysis Batch: 163157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 130	1	20
1,3-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 131	0	20
1,4-Dichlorobenzene	50.0	45.9		ug/Kg		92	70 - 130	0	20
1,3-Dichloropropane	50.0	43.9		ug/Kg		88	70 - 140	0	20
1,1-Dichloropropene	50.0	46.3		ug/Kg		93	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/Kg		96	60 - 145	0	20
Ethylene Dibromide	50.0	46.9		ug/Kg		94	70 - 140	1	20
Dibromomethane	50.0	44.6		ug/Kg		89	70 - 139	0	20
Dichlorodifluoromethane	50.0	39.5		ug/Kg		79	37 - 158	1	20
1,1-Dichloroethane	50.0	42.5		ug/Kg		85	70 - 130	1	20
1,2-Dichloroethane	50.0	40.0		ug/Kg		80	70 - 130	1	20
1,1-Dichloroethene	50.0	44.3		ug/Kg		89	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	41.5		ug/Kg		83	70 - 138	0	20
trans-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	67 - 130	1	20
1,2-Dichloropropane	50.0	43.3		ug/Kg		87	73 - 127	1	20
cis-1,3-Dichloropropene	50.0	48.1		ug/Kg		96	68 - 147	0	20
trans-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	70 - 136	1	20
Ethylbenzene	50.0	40.9		ug/Kg		82	80 - 137	1	20
Hexachlorobutadiene	50.0	45.1		ug/Kg		90	70 - 132	1	20
2-Hexanone	250	218		ug/Kg		87	44 - 133	2	20
Isopropylbenzene	50.0	43.5	*	ug/Kg		87	88 - 128	1	20
4-Isopropyltoluene	50.0	43.6		ug/Kg		87	70 - 133	1	20
Methylene Chloride	50.0	42.9		ug/Kg		86	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	221		ug/Kg		89	60 - 160	2	20
Naphthalene	50.0	46.1		ug/Kg		92	60 - 147	2	20
N-Propylbenzene	50.0	43.5		ug/Kg		87	70 - 130	0	20
Styrene	50.0	47.1		ug/Kg		94	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/Kg		93	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	46.3		ug/Kg		93	70 - 146	1	20
Tetrachloroethene	50.0	45.3		ug/Kg		91	70 - 132	1	20
Toluene	50.0	43.3		ug/Kg		87	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.4		ug/Kg		89	60 - 140	1	20
1,2,4-Trichlorobenzene	50.0	47.1		ug/Kg		94	60 - 140	1	20
1,1,1-Trichloroethane	50.0	42.4		ug/Kg		85	70 - 130	0	20
1,1,2-Trichloroethane	50.0	44.7		ug/Kg		89	70 - 130	1	20
Trichloroethene	50.0	45.4		ug/Kg		91	70 - 133	0	20
Trichlorofluoromethane	50.0	49.6		ug/Kg		99	60 - 140	0	20
1,2,3-Trichloropropane	50.0	46.2		ug/Kg		92	70 - 146	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.9		ug/Kg		86	60 - 140	1	20
1,2,4-Trimethylbenzene	50.0	44.0		ug/Kg		88	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	44.1		ug/Kg		88	70 - 131	2	20
Vinyl acetate	50.0	50.8		ug/Kg		102	38 - 176	2	20
Vinyl chloride	50.0	38.8		ug/Kg		78	58 - 125	0	20
m-Xylene & p-Xylene	50.0	45.0		ug/Kg		90	70 - 146	2	20
o-Xylene	50.0	42.7		ug/Kg		85	70 - 140	1	20
2,2-Dichloropropane	50.0	38.5		ug/Kg		77	70 - 162	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163157/6
Matrix: Solid
Analysis Batch: 163157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*88*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCSD 720-163157/8
Matrix: Solid
Analysis Batch: 163157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1020		ug/Kg		102	61 - 128	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: MB 720-163246/4
Matrix: Water
Analysis Batch: 163246

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/18/14 08:47	1
Acetone	ND		50		ug/L			07/18/14 08:47	1
Benzene	ND		0.50		ug/L			07/18/14 08:47	1
Dichlorobromomethane	ND		0.50		ug/L			07/18/14 08:47	1
Bromobenzene	ND		1.0		ug/L			07/18/14 08:47	1
Chlorobromomethane	ND		1.0		ug/L			07/18/14 08:47	1
Bromoform	ND		1.0		ug/L			07/18/14 08:47	1
Bromomethane	ND		1.0		ug/L			07/18/14 08:47	1
2-Butanone (MEK)	ND		50		ug/L			07/18/14 08:47	1
n-Butylbenzene	ND		1.0		ug/L			07/18/14 08:47	1
sec-Butylbenzene	ND		1.0		ug/L			07/18/14 08:47	1
tert-Butylbenzene	ND		1.0		ug/L			07/18/14 08:47	1
Carbon disulfide	ND		5.0		ug/L			07/18/14 08:47	1
Carbon tetrachloride	ND		0.50		ug/L			07/18/14 08:47	1
Chlorobenzene	ND		0.50		ug/L			07/18/14 08:47	1
Chloroethane	ND		1.0		ug/L			07/18/14 08:47	1
Chloroform	ND		1.0		ug/L			07/18/14 08:47	1
Chloromethane	ND		1.0		ug/L			07/18/14 08:47	1
2-Chlorotoluene	ND		0.50		ug/L			07/18/14 08:47	1
4-Chlorotoluene	ND		0.50		ug/L			07/18/14 08:47	1
Chlorodibromomethane	ND		0.50		ug/L			07/18/14 08:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/18/14 08:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/18/14 08:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/18/14 08:47	1
1,3-Dichloropropane	ND		1.0		ug/L			07/18/14 08:47	1
1,1-Dichloropropene	ND		0.50		ug/L			07/18/14 08:47	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-163246/4
Matrix: Water
Analysis Batch: 163246

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/18/14 08:47	1
Ethylene Dibromide	ND		0.50		ug/L			07/18/14 08:47	1
Dibromomethane	ND		0.50		ug/L			07/18/14 08:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/18/14 08:47	1
1,1-Dichloroethane	ND		0.50		ug/L			07/18/14 08:47	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/14 08:47	1
1,1-Dichloroethene	ND		0.50		ug/L			07/18/14 08:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 08:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/18/14 08:47	1
1,2-Dichloropropane	ND		0.50		ug/L			07/18/14 08:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 08:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/18/14 08:47	1
Ethylbenzene	ND		0.50		ug/L			07/18/14 08:47	1
Hexachlorobutadiene	ND		1.0		ug/L			07/18/14 08:47	1
2-Hexanone	ND		50		ug/L			07/18/14 08:47	1
Isopropylbenzene	ND		0.50		ug/L			07/18/14 08:47	1
4-Isopropyltoluene	ND		1.0		ug/L			07/18/14 08:47	1
Methylene Chloride	ND		5.0		ug/L			07/18/14 08:47	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/18/14 08:47	1
Naphthalene	ND		1.0		ug/L			07/18/14 08:47	1
N-Propylbenzene	ND		1.0		ug/L			07/18/14 08:47	1
Styrene	ND		0.50		ug/L			07/18/14 08:47	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 08:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/18/14 08:47	1
Tetrachloroethene	ND		0.50		ug/L			07/18/14 08:47	1
Toluene	ND		0.50		ug/L			07/18/14 08:47	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/18/14 08:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/18/14 08:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/18/14 08:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/18/14 08:47	1
Trichloroethene	ND		0.50		ug/L			07/18/14 08:47	1
Trichlorofluoromethane	ND		1.0		ug/L			07/18/14 08:47	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/18/14 08:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/18/14 08:47	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/18/14 08:47	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/18/14 08:47	1
Vinyl acetate	ND		10		ug/L			07/18/14 08:47	1
Vinyl chloride	ND		0.50		ug/L			07/18/14 08:47	1
Xylenes, Total	ND		1.0		ug/L			07/18/14 08:47	1
2,2-Dichloropropane	ND		0.50		ug/L			07/18/14 08:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/14 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*07/18/14 08:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*72 - 130*		*07/18/14 08:47*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/18/14 08:47*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163246/5
Matrix: Water
Analysis Batch: 163246

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.6		ug/L		102	62 - 130
Acetone	125	103		ug/L		82	26 - 180
Benzene	25.0	24.9		ug/L		100	79 - 130
Dichlorobromomethane	25.0	25.8		ug/L		103	70 - 130
Bromobenzene	25.0	26.0		ug/L		104	70 - 130
Chlorobromomethane	25.0	26.5		ug/L		106	70 - 130
Bromoform	25.0	28.9		ug/L		116	68 - 136
Bromomethane	25.0	26.9		ug/L		108	43 - 151
2-Butanone (MEK)	125	119		ug/L		95	54 - 130
n-Butylbenzene	25.0	26.4		ug/L		106	70 - 142
sec-Butylbenzene	25.0	26.5		ug/L		106	70 - 134
tert-Butylbenzene	25.0	26.1		ug/L		104	70 - 135
Carbon disulfide	25.0	23.0		ug/L		92	58 - 130
Carbon tetrachloride	25.0	28.6		ug/L		114	70 - 146
Chlorobenzene	25.0	26.0		ug/L		104	70 - 130
Chloroethane	25.0	25.2		ug/L		101	62 - 138
Chloroform	25.0	24.1		ug/L		96	70 - 130
Chloromethane	25.0	25.1		ug/L		100	52 - 175
2-Chlorotoluene	25.0	24.2		ug/L		97	70 - 130
4-Chlorotoluene	25.0	24.2		ug/L		97	70 - 130
Chlorodibromomethane	25.0	28.7		ug/L		115	70 - 145
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	70 - 130
1,3-Dichlorobenzene	25.0	27.9		ug/L		112	70 - 130
1,4-Dichlorobenzene	25.0	27.5		ug/L		110	70 - 130
1,3-Dichloropropane	25.0	24.6		ug/L		98	70 - 130
1,1-Dichloropropene	25.0	26.2		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		105	70 - 136
Ethylene Dibromide	25.0	25.6		ug/L		102	70 - 130
Dibromomethane	25.0	24.6		ug/L		98	70 - 130
Dichlorodifluoromethane	25.0	27.6		ug/L		111	34 - 132
1,1-Dichloroethane	25.0	24.1		ug/L		96	70 - 130
1,2-Dichloroethane	25.0	22.8		ug/L		91	61 - 132
1,1-Dichloroethene	25.0	22.0		ug/L		88	64 - 128
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	70 - 130
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	68 - 130
1,2-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	27.2		ug/L		109	70 - 130
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	70 - 140
Ethylbenzene	25.0	26.0		ug/L		104	80 - 120
Hexachlorobutadiene	25.0	30.0		ug/L		120	70 - 130
2-Hexanone	125	114		ug/L		91	60 - 164
Isopropylbenzene	25.0	27.4		ug/L		110	70 - 130
4-Isopropyltoluene	25.0	26.8		ug/L		107	70 - 130
Methylene Chloride	25.0	23.6		ug/L		95	70 - 147
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		95	58 - 130
Naphthalene	25.0	26.7		ug/L		107	70 - 130
N-Propylbenzene	25.0	25.2		ug/L		101	70 - 130
Styrene	25.0	28.2		ug/L		113	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-163246/5
Matrix: Water
Analysis Batch: 163246

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	28.9		ug/L		116	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	70 - 130
Tetrachloroethene	25.0	29.2		ug/L		117	70 - 130
Toluene	25.0	25.4		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	27.7		ug/L		111	70 - 130
1,2,4-Trichlorobenzene	25.0	29.4		ug/L		118	70 - 130
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	70 - 130
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	70 - 130
Trichloroethene	25.0	27.6		ug/L		110	70 - 130
Trichlorofluoromethane	25.0	24.4		ug/L		98	66 - 132
1,2,3-Trichloropropane	25.0	23.1		ug/L		92	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.7		ug/L		99	42 - 162
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 130
Vinyl acetate	25.0	27.1		ug/L		108	43 - 163
Vinyl chloride	25.0	24.4		ug/L		98	54 - 135
m-Xylene & p-Xylene	25.0	25.7		ug/L		103	70 - 142
o-Xylene	25.0	26.3		ug/L		105	70 - 130
2,2-Dichloropropane	25.0	28.7		ug/L		115	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 720-163246/7
Matrix: Water
Analysis Batch: 163246

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	548		ug/L		110	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*90*		*72 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 720-163246/6
Matrix: Water
Analysis Batch: 163246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.2		ug/L		109	62 - 130	6	20
Acetone	125	104		ug/L		83	26 - 180	1	30
Benzene	25.0	26.6		ug/L		106	79 - 130	6	20
Dichlorobromomethane	25.0	27.6		ug/L		110	70 - 130	7	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163246/6
Matrix: Water
Analysis Batch: 163246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	25.0	28.1		ug/L		112	70 - 130	8	20
Chlorobromomethane	25.0	28.4		ug/L		114	70 - 130	7	20
Bromoform	25.0	29.5		ug/L		118	68 - 136	2	20
Bromomethane	25.0	26.7		ug/L		107	43 - 151	1	20
2-Butanone (MEK)	125	120		ug/L		96	54 - 130	1	20
n-Butylbenzene	25.0	27.7		ug/L		111	70 - 142	5	20
sec-Butylbenzene	25.0	28.4		ug/L		113	70 - 134	7	20
tert-Butylbenzene	25.0	28.0		ug/L		112	70 - 135	7	20
Carbon disulfide	25.0	24.4		ug/L		98	58 - 130	6	20
Carbon tetrachloride	25.0	30.4		ug/L		122	70 - 146	6	20
Chlorobenzene	25.0	27.1		ug/L		108	70 - 130	4	20
Chloroethane	25.0	25.1		ug/L		101	62 - 138	0	20
Chloroform	25.0	25.8		ug/L		103	70 - 130	7	20
Chloromethane	25.0	24.7		ug/L		99	52 - 175	1	20
2-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	7	20
4-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130	6	20
Chlorodibromomethane	25.0	30.6		ug/L		122	70 - 145	6	20
1,2-Dichlorobenzene	25.0	28.0		ug/L		112	70 - 130	6	20
1,3-Dichlorobenzene	25.0	29.2		ug/L		117	70 - 130	5	20
1,4-Dichlorobenzene	25.0	28.7		ug/L		115	70 - 130	5	20
1,3-Dichloropropane	25.0	26.1		ug/L		104	70 - 130	6	20
1,1-Dichloropropene	25.0	27.9		ug/L		112	70 - 130	6	20
1,2-Dibromo-3-Chloropropane	25.0	27.0		ug/L		108	70 - 136	2	20
Ethylene Dibromide	25.0	27.2		ug/L		109	70 - 130	6	20
Dibromomethane	25.0	26.3		ug/L		105	70 - 130	6	20
Dichlorodifluoromethane	25.0	27.3		ug/L		109	34 - 132	1	20
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130	7	20
1,2-Dichloroethane	25.0	24.4		ug/L		98	61 - 132	7	20
1,1-Dichloroethene	25.0	23.5		ug/L		94	64 - 128	7	20
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	70 - 130	6	20
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	68 - 130	7	20
1,2-Dichloropropane	25.0	26.8		ug/L		107	70 - 130	7	20
cis-1,3-Dichloropropene	25.0	29.1		ug/L		116	70 - 130	7	20
trans-1,3-Dichloropropene	25.0	29.2		ug/L		117	70 - 140	7	20
Ethylbenzene	25.0	27.0		ug/L		108	80 - 120	4	20
Hexachlorobutadiene	25.0	31.9		ug/L		128	70 - 130	6	20
2-Hexanone	125	113		ug/L		91	60 - 164	0	20
Isopropylbenzene	25.0	28.2		ug/L		113	70 - 130	3	20
4-Isopropyltoluene	25.0	28.4		ug/L		114	70 - 130	6	20
Methylene Chloride	25.0	25.4		ug/L		101	70 - 147	7	20
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		95	58 - 130	0	20
Naphthalene	25.0	28.1		ug/L		112	70 - 130	5	20
N-Propylbenzene	25.0	26.9		ug/L		107	70 - 130	6	20
Styrene	25.0	29.2		ug/L		117	70 - 130	3	20
1,1,1,2-Tetrachloroethane	25.0	30.6		ug/L		122	70 - 130	6	20
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	70 - 130	6	20
Tetrachloroethene	25.0	30.8		ug/L		123	70 - 130	5	20
Toluene	25.0	26.3		ug/L		105	78 - 120	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-163246/6
Matrix: Water
Analysis Batch: 163246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	25.0	29.4		ug/L		118	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	30.8		ug/L		123	70 - 130	5	20
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	70 - 130	6	20
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	70 - 130	5	20
Trichloroethene	25.0	29.3		ug/L		117	70 - 130	6	20
Trichlorofluoromethane	25.0	25.4		ug/L		102	66 - 132	4	20
1,2,3-Trichloropropane	25.0	24.8		ug/L		99	70 - 130	7	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.8		ug/L		103	42 - 162	4	20
1,2,4-Trimethylbenzene	25.0	27.4		ug/L		110	70 - 132	6	20
1,3,5-Trimethylbenzene	25.0	27.6		ug/L		110	70 - 130	7	20
Vinyl acetate	25.0	28.6		ug/L		114	43 - 163	5	20
Vinyl chloride	25.0	24.1		ug/L		97	54 - 135	1	20
m-Xylene & p-Xylene	25.0	26.7		ug/L		107	70 - 142	4	20
o-Xylene	25.0	27.1		ug/L		109	70 - 130	3	20
2,2-Dichloropropane	25.0	30.1		ug/L		120	70 - 140	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-163246/8
Matrix: Water
Analysis Batch: 163246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	530		ug/L		106	62 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 720-163178/1-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/17/14 09:50	07/18/14 01:31	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		07/17/14 09:50	07/18/14 01:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 5*	*07/17/14 09:50*	*07/18/14 01:31*	*1*

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

Lab Sample ID: MB 720-163178/1-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	75		31 - 150	07/17/14 09:50	07/18/14 01:31	1

Lab Sample ID: LCS 720-163178/2-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2500	1770		ug/L		71	32 - 119

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	92		31 - 150

Lab Sample ID: LCSD 720-163178/3-A
Matrix: Water
Analysis Batch: 163161

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 163178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1740		ug/L		69	32 - 119	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	100		31 - 150

Lab Sample ID: MB 720-163286/1-A
Matrix: Solid
Analysis Batch: 163327

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/18/14 14:23	07/19/14 16:59	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/18/14 14:23	07/19/14 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1	07/18/14 14:23	07/19/14 16:59	1
p-Terphenyl	127		38 - 148	07/18/14 14:23	07/19/14 16:59	1

Lab Sample ID: LCS 720-163286/2-A
Matrix: Solid
Analysis Batch: 163327

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.3	64.1		mg/Kg		78	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	117		38 - 148

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

Lab Sample ID: LCSD 720-163286/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 163327 — **Prep Batch: 163286**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.9	56.6		mg/Kg		68	36 - 112	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*125*		*38 - 148*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-194684/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194806 — **Prep Batch: 194684**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.79		mg/Kg		07/17/14 17:19	07/18/14 10:30	10

Lab Sample ID: LCS 440-194684/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 194806 — **Prep Batch: 194684**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)			15.9	14.3		mg/Kg		90	80 - 120		

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-163145/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163261 — **Prep Batch: 163145**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Arsenic	ND		1.0		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Barium	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Beryllium	ND		0.10		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Cadmium	ND		0.13		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Chromium	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Cobalt	ND		0.20		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Copper	ND		1.5		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Lead	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Molybdenum	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Nickel	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Selenium	ND		1.0		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Silver	ND		0.25		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Thallium	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Vanadium	ND		0.50		mg/Kg		07/16/14 19:34	07/17/14 20:10	1
Zinc	ND		1.5		mg/Kg		07/16/14 19:34	07/17/14 20:10	1

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

Lab Sample ID: LCS 720-163145/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163261 — **Prep Batch: 163145**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	43.0		mg/Kg		86	80 - 120
Arsenic	50.0	48.3		mg/Kg		97	80 - 120
Barium	50.0	47.1		mg/Kg		94	80 - 120
Beryllium	50.0	49.0		mg/Kg		98	80 - 120
Cadmium	50.0	46.7		mg/Kg		93	80 - 120
Chromium	50.0	48.1		mg/Kg		96	80 - 120
Cobalt	50.0	47.5		mg/Kg		95	80 - 120
Copper	50.0	47.9		mg/Kg		96	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Molybdenum	50.0	49.4		mg/Kg		99	80 - 120
Nickel	50.0	47.7		mg/Kg		95	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	23.2		mg/Kg		93	80 - 120
Thallium	50.0	49.4		mg/Kg		99	80 - 120
Vanadium	50.0	46.4		mg/Kg		93	80 - 120
Zinc	50.0	46.7		mg/Kg		93	80 - 120

Lab Sample ID: LCSD 720-163145/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163261 — **Prep Batch: 163145**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	44.5		mg/Kg		89	80 - 120	3	20
Arsenic	50.0	48.3		mg/Kg		97	80 - 120	0	20
Barium	50.0	46.8		mg/Kg		94	80 - 120	1	20
Beryllium	50.0	49.0		mg/Kg		98	80 - 120	0	20
Cadmium	50.0	46.5		mg/Kg		93	80 - 120	0	20
Chromium	50.0	48.0		mg/Kg		96	80 - 120	0	20
Cobalt	50.0	47.3		mg/Kg		95	80 - 120	0	20
Copper	50.0	47.8		mg/Kg		96	80 - 120	0	20
Lead	50.0	48.9		mg/Kg		98	80 - 120	0	20
Molybdenum	50.0	49.7		mg/Kg		99	80 - 120	1	20
Nickel	50.0	47.7		mg/Kg		95	80 - 120	0	20
Selenium	50.0	47.2		mg/Kg		94	80 - 120	0	20
Silver	25.0	23.2		mg/Kg		93	80 - 120	0	20
Thallium	50.0	49.3		mg/Kg		99	80 - 120	0	20
Vanadium	50.0	46.2		mg/Kg		92	80 - 120	0	20
Zinc	50.0	46.5		mg/Kg		93	80 - 120	0	20

Lab Sample ID: LCSSRM 720-163145/25-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163261 — **Prep Batch: 163145**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	29.7		mg/Kg		40	11 - 101
Arsenic	45.5	41.5		mg/Kg		91	69 - 119
Barium	579	551		mg/Kg		95	61 - 117
Beryllium	155	142		mg/Kg		92	56 - 102

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

Lab Sample ID: LCSSRM 720-163145/25-A
Matrix: Solid
Analysis Batch: 163261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163145

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	201	177		mg/Kg		88	67 - 118
Chromium	106	94.6		mg/Kg		89	67 - 121
Cobalt	247	225		mg/Kg		91	64 - 133
Copper	130	118		mg/Kg		91	68 - 126
Lead	302	271		mg/Kg		90	62 - 113
Molybdenum	165	145		mg/Kg		88	62 - 128
Nickel	305	273		mg/Kg		89	65 - 117
Selenium	133	121		mg/Kg		91	63 - 126
Silver	33.5	29.8		mg/Kg		89	51 - 130
Thallium	191	175		mg/Kg		92	64 - 124
Vanadium	214	194		mg/Kg		91	67 - 123
Zinc	388	337		mg/Kg		87	62 - 110

Lab Sample ID: 720-58654-D-2-A MS
Matrix: Solid
Analysis Batch: 163261

Client Sample ID: 720-58654-D-2-A MS
Prep Type: Total/NA
Prep Batch: 163145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		47.2	9.71	F1	mg/Kg		19	75 - 125
Arsenic	8.6		47.2	56.1		mg/Kg		101	75 - 125
Barium	150		47.2	194		mg/Kg		97	75 - 125
Beryllium	ND		47.2	47.5		mg/Kg		100	75 - 125
Cadmium	3.3		47.2	48.4		mg/Kg		96	75 - 125
Chromium	11		47.2	61.0		mg/Kg		106	75 - 125
Cobalt	5.1		47.2	50.1		mg/Kg		95	75 - 125
Copper	14		47.2	60.5		mg/Kg		98	75 - 125
Lead	4.5		47.2	49.9		mg/Kg		96	75 - 125
Molybdenum	3.9		47.2	44.0		mg/Kg		85	75 - 125
Nickel	26		47.2	76.4		mg/Kg		106	75 - 125
Selenium	ND		47.2	46.0		mg/Kg		98	75 - 125
Silver	ND		23.6	22.7		mg/Kg		96	75 - 125
Thallium	ND		47.2	46.6		mg/Kg		99	75 - 125
Vanadium	14		47.2	59.8		mg/Kg		98	75 - 125
Zinc	59		47.2	112		mg/Kg		112	75 - 125

Lab Sample ID: 720-58654-D-2-B MSD
Matrix: Solid
Analysis Batch: 163261

Client Sample ID: 720-58654-D-2-B MSD
Prep Type: Total/NA
Prep Batch: 163145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		48.1	7.64	F1 F2	mg/Kg		15	75 - 125	24	20
Arsenic	8.6		48.1	51.6		mg/Kg		89	75 - 125	8	20
Barium	150		48.1	152	F1 F2	mg/Kg		8	75 - 125	24	20
Beryllium	ND		48.1	45.1		mg/Kg		93	75 - 125	5	20
Cadmium	3.3		48.1	46.0		mg/Kg		89	75 - 125	5	20
Chromium	11		48.1	57.2		mg/Kg		96	75 - 125	7	20
Cobalt	5.1		48.1	47.9		mg/Kg		89	75 - 125	4	20
Copper	14		48.1	58.1		mg/Kg		91	75 - 125	4	20
Lead	4.5		48.1	48.0		mg/Kg		90	75 - 125	4	20

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

Lab Sample ID: 720-58654-D-2-B MSD — **Client Sample ID: 720-58654-D-2-B MSD**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163261 — **Prep Batch: 163145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Molybdenum	3.9		48.1	43.5		mg/Kg		83	75 - 125	1	20
Nickel	26		48.1	70.5		mg/Kg		92	75 - 125	8	20
Selenium	ND		48.1	44.2		mg/Kg		92	75 - 125	4	20
Silver	ND		24.0	21.9		mg/Kg		91	75 - 125	4	20
Thallium	ND		48.1	44.5		mg/Kg		93	75 - 125	4	20
Vanadium	14		48.1	57.8		mg/Kg		92	75 - 125	3	20
Zinc	59		48.1	99.4		mg/Kg		83	75 - 125	12	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-163200/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		07/17/14 14:53	07/18/14 15:04	1

Lab Sample ID: LCS 720-163200/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.816		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 720-163200/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 163298 — **Prep Batch: 163200**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.828		mg/Kg		99	80 - 120	2	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 720-163483/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 163055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/15/14 20:41	1

Lab Sample ID: LCS 720-163483/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 163055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.250	0.255		mg/L		102	90 - 110

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 720-58654-1 MS
Matrix: Water
Analysis Batch: 163055

Client Sample ID: CEG-1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	ND		0.250	0.246		mg/L		98	85 - 115		

Lab Sample ID: 720-58654-1 MSD
Matrix: Water
Analysis Batch: 163055

Client Sample ID: CEG-1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		0.250	0.252		mg/L		101	85 - 115	2	20

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

GC/MS VOA

Analysis Batch: 163157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	8260B/CA_LUFT MS	163205
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	8260B/CA_LUFT MS	163205
LCS 720-163157/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-163157/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-163157/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-163157/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-163157/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 163205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	5035	
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	5035	

Analysis Batch: 163246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-1	CEG-1	Total/NA	Water	8260B/CA_LUFT MS	
720-58654-5	CEG-4	Total/NA	Water	8260B/CA_LUFT MS	
720-58654-9	CEG-5	Total/NA	Water	8260B/CA_LUFT MS	
720-58654-10	CEG-7	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-163246/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-163246/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-163246/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-163246/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-163246/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Analysis Batch: 163160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-1	CEG-1	Silica Gel Cleanup	Water	8015B	163178
720-58654-5	CEG-4	Silica Gel Cleanup	Water	8015B	163178
720-58654-9	CEG-5	Silica Gel Cleanup	Water	8015B	163178
720-58654-10	CEG-7	Silica Gel Cleanup	Water	8015B	163178

Analysis Batch: 163161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-163178/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	163178
LCSD 720-163178/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	163178

GC Semi VOA (Continued)

Analysis Batch: 163161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-163178/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	163178

Prep Batch: 163178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-1	CEG-1	Silica Gel Cleanup	Water	3510C SGC	
720-58654-5	CEG-4	Silica Gel Cleanup	Water	3510C SGC	
720-58654-9	CEG-5	Silica Gel Cleanup	Water	3510C SGC	
720-58654-10	CEG-7	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-163178/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-163178/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-163178/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Prep Batch: 163286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58654-6	CEG-5(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58654-13	CEG-12(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58654-18	CEG-13(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58654-25	CEG-8(0-1/2)	Silica Gel Cleanup	Solid	3546	
720-58654-28	CEG-10(0-1/2)	Silica Gel Cleanup	Solid	3546	
LCS 720-163286/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-163286/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-163286/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 163327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286
720-58654-6	CEG-5(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286
720-58654-13	CEG-12(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286
720-58654-18	CEG-13(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286
720-58654-25	CEG-8(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286
LCS 720-163286/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	163286
LCSD 720-163286/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	163286
MB 720-163286/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	163286

Analysis Batch: 163340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-28	CEG-10(0-1/2)	Silica Gel Cleanup	Solid	8015B	163286

HPLC/IC

Prep Batch: 194684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	3060A	
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	3060A	
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	3060A	
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	3060A	
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	3060A	
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	3060A	
LCS 440-194684/2-A	Lab Control Sample	Total/NA	Solid	3060A	

HPLC/IC (Continued)

Prep Batch: 194684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-194684/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 194806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-194684/2-A	Lab Control Sample	Total/NA	Solid	7199	194684
MB 440-194684/1-A	Method Blank	Total/NA	Solid	7199	194684

Analysis Batch: 195115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	7199	194684
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	7199	194684
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	7199	194684
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	7199	194684
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	7199	194684
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	7199	194684

Metals

Prep Batch: 163145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	3050B	
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	3050B	
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	3050B	
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	3050B	
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	3050B	
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	3050B	
720-58654-D-2-A MS	720-58654-D-2-A MS	Total/NA	Solid	3050B	
720-58654-D-2-B MSD	720-58654-D-2-B MSD	Total/NA	Solid	3050B	
LCS 720-163145/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-163145/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-163145/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-163145/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 163200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	7471A	
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	7471A	
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	7471A	
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	7471A	
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	7471A	
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	7471A	
LCS 720-163200/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-163200/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-163200/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 163261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-D-2-A MS	720-58654-D-2-A MS	Total/NA	Solid	6010B	163145
720-58654-D-2-B MSD	720-58654-D-2-B MSD	Total/NA	Solid	6010B	163145
LCS 720-163145/2-A	Lab Control Sample	Total/NA	Solid	6010B	163145

Metals (Continued)

Analysis Batch: 163261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-163145/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	163145
LCSSRM 720-163145/25-A	Lab Control Sample	Total/NA	Solid	6010B	163145
MB 720-163145/1-A	Method Blank	Total/NA	Solid	6010B	163145

Analysis Batch: 163277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	6010B	163145
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	6010B	163145
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	6010B	163145
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	6010B	163145
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	6010B	163145
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	6010B	163145

Analysis Batch: 163298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-2	CEG-4(0-1/2)	Total/NA	Solid	7471A	163200
720-58654-6	CEG-5(0-1/2)	Total/NA	Solid	7471A	163200
720-58654-13	CEG-12(0-1/2)	Total/NA	Solid	7471A	163200
720-58654-18	CEG-13(0-1/2)	Total/NA	Solid	7471A	163200
720-58654-25	CEG-8(0-1/2)	Total/NA	Solid	7471A	163200
720-58654-28	CEG-10(0-1/2)	Total/NA	Solid	7471A	163200
LCS 720-163200/2-A	Lab Control Sample	Total/NA	Solid	7471A	163200
LCSD 720-163200/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	163200
MB 720-163200/1-A	Method Blank	Total/NA	Solid	7471A	163200

General Chemistry

Analysis Batch: 163055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-1	CEG-1	Dissolved	Water	7196A	163483
720-58654-1 MS	CEG-1	Dissolved	Water	7196A	163483
720-58654-1 MSD	CEG-1	Dissolved	Water	7196A	163483
720-58654-5	CEG-4	Dissolved	Water	7196A	163483
720-58654-9	CEG-5	Dissolved	Water	7196A	163483
720-58654-10	CEG-7	Dissolved	Water	7196A	163483
LCS 720-163483/2-A	Lab Control Sample	Dissolved	Water	7196A	163483
MB 720-163483/1-A	Method Blank	Dissolved	Water	7196A	163483

Filtration Batch: 163483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-1	CEG-1	Dissolved	Water	FILTRATION	
720-58654-1 MS	CEG-1	Dissolved	Water	FILTRATION	
720-58654-1 MSD	CEG-1	Dissolved	Water	FILTRATION	
720-58654-5	CEG-4	Dissolved	Water	FILTRATION	
720-58654-9	CEG-5	Dissolved	Water	FILTRATION	
720-58654-10	CEG-7	Dissolved	Water	FILTRATION	
LCS 720-163483/2-A	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 720-163483/1-A	Method Blank	Dissolved	Water	FILTRATION	

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-1 — Lab Sample ID: 720-58654-1

Date Collected: 07/15/14 07:45 — **Matrix: Water**
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163246	07/18/14 14:22	PDR	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/17/14 23:55	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163483	07/15/14 20:00	EYT	TAL PLS
Dissolved	Analysis	7196A		1	163055	07/15/14 20:41	EYT	TAL PLS

Client Sample ID: CEG-4(0-1/2) — Lab Sample ID: 720-58654-2

Date Collected: 07/15/14 08:20 — **Matrix: Solid**
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			163205	07/16/14 12:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	163157	07/17/14 16:30	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163327	07/19/14 22:40	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV
Total/NA	Analysis	7199		10	195115	07/21/14 11:16	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 10:45	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:26	SLK	TAL PLS

Client Sample ID: CEG-4 — Lab Sample ID: 720-58654-5

Date Collected: 07/15/14 08:45 — **Matrix: Water**
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163246	07/18/14 14:51	PDR	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/18/14 00:19	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163483	07/15/14 20:00	EYT	TAL PLS
Dissolved	Analysis	7196A		1	163055	07/15/14 20:41	EYT	TAL PLS

Client Sample ID: CEG-5(0-1/2) — Lab Sample ID: 720-58654-6

Date Collected: 07/15/14 10:00 — **Matrix: Solid**
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			163205	07/16/14 12:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	163157	07/17/14 16:59	PDR	TAL PLS
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163327	07/19/14 23:05	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-5(0-1/2)

Lab Sample ID: 720-58654-6

Date Collected: 07/15/14 10:00
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7199		10	195115	07/21/14 11:30	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 10:50	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:33	SLK	TAL PLS

Client Sample ID: CEG-5

Lab Sample ID: 720-58654-9

Date Collected: 07/15/14 10:15
Matrix: Water
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163246	07/18/14 15:20	PDR	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/18/14 00:43	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163483	07/15/14 20:00	EYT	TAL PLS
Dissolved	Analysis	7196A		1	163055	07/15/14 20:41	EYT	TAL PLS

Client Sample ID: CEG-7

Lab Sample ID: 720-58654-10

Date Collected: 07/15/14 12:00
Matrix: Water
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	163246	07/18/14 15:49	PDR	TAL PLS
Silica Gel Cleanup	Prep	3510C SGC			163178	07/17/14 09:50	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163160	07/18/14 01:07	JL	TAL PLS
Dissolved	Filtration	FILTRATION			163483	07/15/14 20:00	EYT	TAL PLS
Dissolved	Analysis	7196A		1	163055	07/15/14 20:41	EYT	TAL PLS

Client Sample ID: CEG-12(0-1/2)

Lab Sample ID: 720-58654-13

Date Collected: 07/15/14 10:55
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163327	07/19/14 23:29	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV
Total/NA	Analysis	7199		10	195115	07/21/14 11:44	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 10:55	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:36	SLK	TAL PLS

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Client Sample ID: CEG-13(0-1/2)

Lab Sample ID: 720-58654-18

Date Collected: 07/15/14 11:20
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163327	07/19/14 23:53	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV
Total/NA	Analysis	7199		10	195115	07/21/14 11:57	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 11:00	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:38	SLK	TAL PLS

Client Sample ID: CEG-8(0-1/2)

Lab Sample ID: 720-58654-25

Date Collected: 07/15/14 12:25
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	163327	07/20/14 00:18	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV
Total/NA	Analysis	7199		10	195115	07/21/14 12:11	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 11:05	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:40	SLK	TAL PLS

Client Sample ID: CEG-10(0-1/2)

Lab Sample ID: 720-58654-28

Date Collected: 07/15/14 12:50
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163286	07/18/14 16:43	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		100	163340	07/21/14 11:37	JL	TAL PLS
Total/NA	Prep	3060A			194684	07/17/14 17:19	QPD	TAL IRV
Total/NA	Analysis	7199		10	195115	07/21/14 12:25	QPD	TAL IRV
Total/NA	Prep	3050B			163145	07/16/14 19:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	163277	07/18/14 11:10	EFH	TAL PLS
Total/NA	Prep	7471A			163200	07/17/14 14:53	JCR	TAL PLS
Total/NA	Analysis	7471A		1	163298	07/18/14 15:43	SLK	TAL PLS

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Thallium

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14 *
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Certification renewal pending - certification considered valid.

Method Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
7196A	Chromium, Hexavalent	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-58654-1	CEG-1	Water	07/15/14 07:45	07/15/14 17:10
720-58654-2	CEG-4(0-1/2)	Solid	07/15/14 08:20	07/15/14 17:10
720-58654-5	CEG-4	Water	07/15/14 08:45	07/15/14 17:10
720-58654-6	CEG-5(0-1/2)	Solid	07/15/14 10:00	07/15/14 17:10
720-58654-9	CEG-5	Water	07/15/14 10:15	07/15/14 17:10
720-58654-10	CEG-7	Water	07/15/14 12:00	07/15/14 17:10
720-58654-13	CEG-12(0-1/2)	Solid	07/15/14 10:55	07/15/14 17:10
720-58654-18	CEG-13(0-1/2)	Solid	07/15/14 11:20	07/15/14 17:10
720-58654-25	CEG-8(0-1/2)	Solid	07/15/14 12:25	07/15/14 17:10
720-58654-28	CEG-10(0-1/2)	Solid	07/15/14 12:50	07/15/14 17:10

CORNERSTONE EARTH GROUP

Chain of Custody Record 720-58654

154970

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-15-2014	COC No:
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America	_____ of _____ COCs
1259 Oakmead Pkwy	Analysis Turnaround Time			Laboratory's Job No.
Sunnyvale, California 94085				
(408) 245-4600 Phone	TAT if different from Below _____			
(408) 245-4620 FAX	■ 1 week			
Project Name: 1 Hanson Court	☐ 3 days			
Site: Milpitas, CA	☐ 2 days			
Project Number: 726-1-3	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-1~~ CE6-1	7/15/2014	7:45am	Amber, poly, VOA	water	7			x	x		x					
CE6-4(0-½) ~~EB-4 (0-1/2)~~	7/15/2014	8:20	liner+CNOs	soil	4		x	x	x		x					
CE6-4(½-1) ~~EB-4 (1-1/2-2)~~	7/15/2014	8:25	liner	soil	1										x	
CE6-4(2-2½) EB-4 (2 1/2 - 3)	7/15/2014	8:28	liner	soil	1										x	
~~EB-4~~ CE6-4	7/15/2014	8:45	Amber, poly, VOA	water	7			x	x		x					
CE6-5(0-½) ~~EB-5 (0-1/2)~~	7/15/2014	10:00	liner+CNOs	soil	4		x	x	x		x					
CE6-5(1-1½) ~~EB-5 (1-1/2-2)~~	7/15/2014	10:02	liner	soil	1										x	
CE6-5(2½-3) ~~EB-5 (2 1/2-3)~~	7/15/2014	10:07	liner	soil	1										x	
CE6-5 ~~EB-5~~	7/15/2014	10:15	Amber, poly, VOA	water	7			x	x		x					
CE6-7 ~~EB-7~~	7/15/2014	12:00pm	Amber, poly, VOA	water	7			x	x		x					
CE6-4(3½-4)	7-15-14	8:30	liner	soil	1										X	
CE6-5(3½-4)	7-15-14	10:10	liner	soil	1										X	

720-58654 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

1.9°C | 2.5°C

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-15-2014 1:30pm	Received by:	Company: TAP	Date/Time: 07/15/14 @ 1445
Relinquished by:	Company: TAP	Date/Time: 07/15/14 @ 1710	Received by:	Company: TAP	Date/Time: 7/15/14 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

CORNERSTONE EARTH GROUP

Chain of Custody Record 720-58654

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-15-2014	COC No:
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America	_____ of _____ COCs
1259 Oakmead Pkwy	Analysis Turnaround Time			Laboratory's Job No.
Sunnyvale, California 94085				
(408) 245-4600 Phone	TAT if different from Below _____			
(408) 245-4620 FAX	■ 1 week			
Project Name: 1 Hanson Court	☐ 3 days			
Site: Milpitas, CA	☐ 2 days			
Project Number: 726-1-3	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
CE6-12 (0-1/2) ~~EB-12 (0 - 1/2)~~	7/15/2014	10:55	liner	soil	1		x	x	x							
CE6-12 (1 1/2-2) ~~EB-12 (1 1/2 - 2)~~	7/15/2014	11:00	liner	soil	1										x	
CE6-12 (3 1/2-4) ~~EB-12 (2 1/2 - 3)~~	7/15/2014	11:03	liner	soil	1										x	
CE6-12 (5-5 1/2) ~~EB-12 (3 - 5 1/2)~~	7/15/2014	11:05	liner	soil	1										x	
CE6-12 (9 1/2-10) ~~EB-12 (10 - 10 1/2)~~	7/15/2014	11:10	liner	soil	1										x	
CE6-13 (0-1/2) ~~EB-13 (0 - 1/2)~~	7/15/2014	11:20	liner	soil	1		x	x	x							
CE6-13 (1 1/2-2) ~~EB-13 (1 1/2 - 2)~~	7/15/2014	11:22	liner	soil	1										x	
CE6-13 (3 1/2-4) ~~EB-13 (2 1/2 - 3)~~	7/15/2014	11:25	liner	soil	1										x	
CE6-13 (6-6 1/2) ~~EB-13 (5 - 5 1/2)~~	7/15/2014	11:37	liner	soil	1										x	
CE6-13 (9 1/2-10) ~~EB-13 (10 - 10 1/2)~~	7/15/2014	11:40	liner	soil	1										x	
CE6-10 (2-2 1/2)	7/15/14	1:00	liner	soil	1										X	
CE6-10 (3-3 1/2)	7/15/14	1:02	liner	soil	1										X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-15-2014 1:30pm	Received by:	Company: TAP	Date/Time: 07/15/14 @ 1445
Relinquished by:	Company: TAP	Date/Time: 07/15/14 @ 1710	Received by:	Company: TAP	Date/Time: 7/15/14 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

CORNERSTONE EARTH GROUP

Chain of Custody Record

720-58654

	Project Manager: Kurt Soenen	Site Sampler: Kevin O'Halloran	Date: 7-15-2014	COC No:
Cornerstone Earth Group, Inc.	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America	_____ of _____ COCs
1259 Oakmead Pkwy	Analysis Turnaround Time			Laboratory's Job No.
Sunnyvale, California 94085				
(408) 245-4600 Phone	TAT if different from Below _____			
(408) 245-4620 FAX	■ 1 week			
Project Name: 1 Hanson Court	☐ 3 days			
Site: Milpitas, CA	☐ 2 days			
Project Number: 726-1-3	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
~~EB-8 (0-1/2)~~ CEG-8(0-1/2)	7/15/2014	12:25	liner	soil	1		x	x	x							
~~EB-8 (1-1/2-2)~~ CEG-8(1½-2)	7/15/2014	12:27	liner	soil	1										x	
~~EB-8 (2-1/2-3)~~ CEG-8(2-2½)	7/15/2014	12:30	liner	soil	1										x	
~~EB-9 (0-1/2)~~	~~7/15/2014~~		~~liner~~	~~soil~~	~~1~~		x	x	x							
~~EB-9 (1-1/2-2)~~	7/15/2014		liner	soil	1										x	
~~EB-9 (2-1/2-3)~~	7/15/2014		~~liner~~	~~soil~~	~~1~~										x	
~~EB-10 (0-1/2)~~ CEG-10(0-½)	7/15/2014	12:50	liner	soil	1		x	x	x							
~~EB-10 (1-1/2-2)~~ CEG-10(1½-2)	7/15/2014	12:55	liner	soil	1										x	
~~EB-10 (2-1/2-3)~~ CEG-10(3½-4)	7/15/2014	12:58	liner	soil	1										x	
CEG-5(4-4½)	7/15/14	10:12	liner	soil	1										X	
CEG-8 (3½-4)	7/15/14	12:32	liner	soil	1										X	
CEG-10 (½-1)	7/15/14	12:59	liner	soil	1										X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

Relinquished by: Kevin O'Halloran	Company: Cornerstone Earth Group	Date/Time: 7-15-2014 1:30pm	Received by:	Company: TAP	Date/Time: 07/15/14 @ 1645
Relinquished by:	Company: TAP	Date/Time: 07/15/14 @ 1710	Received by:	Company: TAP	Date/Time: 7/15/14 1710
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58654-1

Login Number: 58654

List Number: 1

Creator: Gonzales, Justinn

List Source: TestAmerica Pleasanton

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

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58654-1

Login Number: 58654
List Number: 2
Creator: Salas, Margarita

List Source: TestAmerica Irvine
List Creation: 07/17/14 02:11 PM

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	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-58654-2
Client Project/Site: 1 Hanson Court

For:
Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, California 94085

Attn: Kurt Soenen

Authorized for release by:
7/31/2014 4:30:37 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

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

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

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Glossary

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

Case Narrative

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Job ID: 720-58654-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-58654-2

Comments
No additional comments.

Receipt
The samples were received on 7/15/2014 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.9º C and 2.5º C.

Except:

One or more containers for the following sample(s) was received broken or leaking:

Broke 1 vial (out of 4) for sample CEG-4 in sample control. Did not realize samples were wrapped in the bag and not placed inside the bag.

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

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

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-5(3 1/2-4) — Lab Sample ID: 720-58654-12

No Detections.

Client Sample ID: CEG-12(3 1/2-4) — Lab Sample ID: 720-58654-15

No Detections.

Client Sample ID: CEG-13(3 1/2-4) — Lab Sample ID: 720-58654-20

No Detections.

Client Sample ID: CEG-10(3-3 1/2) — Lab Sample ID: 720-58654-24

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-5(3 1/2-4)

Lab Sample ID: 720-58654-12

Date Collected: 07/15/14 10:10

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/28/14 09:43	07/31/14 13:08	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/28/14 09:43	07/31/14 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*07/28/14 09:43*	*07/31/14 13:08*	*1*
p-Terphenyl	*94*		*38 - 148*	*07/28/14 09:43*	*07/31/14 13:08*	*1*

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-12(3 1/2-4)

Lab Sample ID: 720-58654-15

Date Collected: 07/15/14 11:03

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/28/14 09:43	07/31/14 13:32	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/28/14 09:43	07/31/14 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 1*	*07/28/14 09:43*	*07/31/14 13:32*	*1*
p-Terphenyl	*82*		*38 - 148*	*07/28/14 09:43*	*07/31/14 13:32*	*1*

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-13(3 1/2-4)

Lab Sample ID: 720-58654-20

Date Collected: 07/15/14 11:25

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/28/14 09:43	07/31/14 13:57	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/28/14 09:43	07/31/14 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*07/28/14 09:43*	*07/31/14 13:57*	*1*
p-Terphenyl	*83*		*38 - 148*	*07/28/14 09:43*	*07/31/14 13:57*	*1*

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-10(3-3 1/2)

Lab Sample ID: 720-58654-24

Date Collected: 07/15/14 13:02

Matrix: Solid

Date Received: 07/15/14 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		07/28/14 09:43	07/31/14 14:21	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		07/28/14 09:43	07/31/14 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*07/28/14 09:43*	*07/31/14 14:21*	*1*
p-Terphenyl	*87*		*38 - 148*	*07/28/14 09:43*	*07/31/14 14:21*	*1*

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

Lab Sample ID: MB 720-163852/1-A
Matrix: Solid
Analysis Batch: 164124

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 163852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		07/28/14 09:43	07/31/14 11:30	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		07/28/14 09:43	07/31/14 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*07/28/14 09:43*	*07/31/14 11:30*	*1*
p-Terphenyl	*105*		*38 - 148*	*07/28/14 09:43*	*07/31/14 11:30*	*1*

Lab Sample ID: LCS 720-163852/2-A
Matrix: Solid
Analysis Batch: 164124

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 163852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.8	60.4		mg/Kg		73	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*119*		*38 - 148*

Lab Sample ID: LCSD 720-163852/3-A
Matrix: Solid
Analysis Batch: 164124

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 163852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.3	49.4		mg/Kg		60	36 - 112	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*115*		*38 - 148*

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

GC Semi VOA

Prep Batch: 163852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-12	CEG-5(3 1/2-4)	Silica Gel Cleanup	Solid	3546	
720-58654-15	CEG-12(3 1/2-4)	Silica Gel Cleanup	Solid	3546	
720-58654-20	CEG-13(3 1/2-4)	Silica Gel Cleanup	Solid	3546	
720-58654-24	CEG-10(3-3 1/2)	Silica Gel Cleanup	Solid	3546	
LCS 720-163852/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-163852/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-163852/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 164124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-163852/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	163852
LCSD 720-163852/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	163852
MB 720-163852/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	163852

Analysis Batch: 164131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58654-12	CEG-5(3 1/2-4)	Silica Gel Cleanup	Solid	8015B	163852
720-58654-15	CEG-12(3 1/2-4)	Silica Gel Cleanup	Solid	8015B	163852
720-58654-20	CEG-13(3 1/2-4)	Silica Gel Cleanup	Solid	8015B	163852
720-58654-24	CEG-10(3-3 1/2)	Silica Gel Cleanup	Solid	8015B	163852

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Client Sample ID: CEG-5(3 1/2-4)

Lab Sample ID: 720-58654-12
Date Collected: 07/15/14 10:10
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164131	07/31/14 13:08	JL	TAL PLS

Client Sample ID: CEG-12(3 1/2-4)

Lab Sample ID: 720-58654-15
Date Collected: 07/15/14 11:03
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164131	07/31/14 13:32	JL	TAL PLS

Client Sample ID: CEG-13(3 1/2-4)

Lab Sample ID: 720-58654-20
Date Collected: 07/15/14 11:25
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164131	07/31/14 13:57	JL	TAL PLS

Client Sample ID: CEG-10(3-3 1/2)

Lab Sample ID: 720-58654-24
Date Collected: 07/15/14 13:02
Matrix: Solid
Date Received: 07/15/14 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			163852	07/28/14 09:43	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164131	07/31/14 14:21	JL	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58654-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-58654-12	CEG-5(3 1/2-4)	Solid	07/15/14 10:10	07/15/14 17:10
720-58654-15	CEG-12(3 1/2-4)	Solid	07/15/14 11:03	07/15/14 17:10
720-58654-20	CEG-13(3 1/2-4)	Solid	07/15/14 11:25	07/15/14 17:10
720-58654-24	CEG-10(3-3 1/2)	Solid	07/15/14 13:02	07/15/14 17:10

Sharma, Dimple 720-58654-2

From: Kurt M. Soenen <ksoenen@cornerstoneearth.com>
Sent: Friday, July 25, 2014 1:30 PM
To: Sharma, Dimple
Subject: Submissions 720-58628 and 720-58654
Attachments: image001.jpg

Dimple –

Please analyze the following "on-hold" soil samples for TPHd/o with silica gel.

CEG-10 (3-3½)
CEG-1 (12½-13)
CEG-5 (3½-4)
CEG-11 (9½-10)
CEG-12 (3½-4)
CEG-13 (3½-4)

Please analyze CEG-7 (3-3½) for VOCs

Sincerely,

Kurt M. Soenen, P.E.
Principal Engineer

CORNERSTONE EARTH GROUP

1259 Oakmead Parkway
Sunnyvale, California 94085
p 408-245-4600 x110
f 408-245-4620
c 408-605-3037
www.cornerstoneearth.com

720-58654 Chain of Custody

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58654-2

Login Number: 58654

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-58972-1
Client Project/Site: 1 Hanson Court

For:
Cornerstone Earth Group
1259 Oakmead Parkway
Sunnyvale, California 94085

Attn: Kurt Soenen

Authorized for release by:
8/6/2014 2:51:33 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

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

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

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Definitions/Glossary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

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

Case Narrative

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Job ID: 720-58972-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-58972-1

Comments
No additional comments.

Receipt
The samples were received on 7/30/2014 4:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3º C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Hexavalent Chromium no method listed on the COC.

HPLC/IC
Method(s) 7199: The matrix spike (MS) recovery for hexavalent chromium in batch 197829 was outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Metals
Method(s) 6010B: The following sample was diluted due to the abundance of non-target analyte: CEG-9 (0-1/2) (720-58972-1). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Client Sample ID: CEG-9 (0-1/2) — Lab Sample ID: 720-58972-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.1		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	5.2		2.7		mg/Kg	4		6010B	Total/NA
Barium	160		1.4		mg/Kg	4		6010B	Total/NA
Beryllium	0.46		0.27		mg/Kg	4		6010B	Total/NA
Cadmium	7.9		0.34		mg/Kg	4		6010B	Total/NA
Chromium	15		1.4		mg/Kg	4		6010B	Total/NA
Cobalt	3.5		0.55		mg/Kg	4		6010B	Total/NA
Copper	21		4.1		mg/Kg	4		6010B	Total/NA
Lead	6.3		1.4		mg/Kg	4		6010B	Total/NA
Molybdenum	5.9		1.4		mg/Kg	4		6010B	Total/NA
Nickel	49		1.4		mg/Kg	4		6010B	Total/NA
Vanadium	32		1.4		mg/Kg	4		6010B	Total/NA
Zinc	100		4.1		mg/Kg	4		6010B	Total/NA
Mercury	0.069		0.0098		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Client Sample ID: CEG-9 (0-1/2)

Lab Sample ID: 720-58972-1

Date Collected: 07/30/14 08:30

Matrix: Solid

Date Received: 07/30/14 16:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.1**		1.0		mg/Kg		08/01/14 16:23	08/04/14 23:27	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/01/14 16:23	08/04/14 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.05*		*0 - 1*	*08/01/14 16:23*	*08/04/14 23:27*	*1*
p-Terphenyl	*78*		*38 - 148*	*08/01/14 16:23*	*08/04/14 23:27*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		08/04/14 16:00	08/05/14 09:59	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Arsenic	**5.2**		2.7		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Barium	**160**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Beryllium	**0.46**		0.27		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Cadmium	**7.9**		0.34		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Chromium	**15**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Cobalt	**3.5**		0.55		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Copper	**21**		4.1		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Lead	**6.3**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Molybdenum	**5.9**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Nickel	**49**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Selenium	ND		2.7		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Silver	ND		0.68		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Thallium	ND		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Vanadium	**32**		1.4		mg/Kg		08/01/14 08:21	08/04/14 20:51	4
Zinc	**100**		4.1		mg/Kg		08/01/14 08:21	08/04/14 20:51	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.069**		0.0098		mg/Kg		08/02/14 13:02	08/05/14 12:39	1

QC Sample Results

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

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

Lab Sample ID: MB 720-164229/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164311 — **Prep Batch: 164229**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		08/01/14 16:23	08/05/14 04:50	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		08/01/14 16:23	08/05/14 04:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*08/01/14 16:23*	*08/05/14 04:50*	*1*
p-Terphenyl	*115*		*38 - 148*	*08/01/14 16:23*	*08/05/14 04:50*	*1*

Lab Sample ID: LCS 720-164229/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164311 — **Prep Batch: 164229**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.3	62.6		mg/Kg		76	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*120*		*38 - 148*

Lab Sample ID: LCSD 720-164229/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Silica Gel Cleanup**
Analysis Batch: 164311 — **Prep Batch: 164229**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	64.9		mg/Kg		78	36 - 112	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*123*		*38 - 148*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-197764/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197829 — **Prep Batch: 197764**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.80		mg/Kg		08/04/14 16:00	08/05/14 09:32	10

Lab Sample ID: LCS 440-197764/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197829 — **Prep Batch: 197764**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	16.0	17.0		mg/Kg		106	80 - 120

Method: 7199 - Chromium, Hexavalent (IC) (Continued)

Lab Sample ID: 720-58972-1 MS — **Client Sample ID: CEG-9 (0-1/2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197829 — **Prep Batch: 197764**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	ND		16.1	8.23	F1	mg/Kg		51	55 - 110

Lab Sample ID: 720-58972-1 MSD — **Client Sample ID: CEG-9 (0-1/2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197829 — **Prep Batch: 197764**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		16.1	9.26		mg/Kg		57	55 - 110	12	20

Lab Sample ID: 720-58972-1 MSI — **Client Sample ID: CEG-9 (0-1/2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197829 — **Prep Batch: 197764**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	ND		2380	1420		mg/Kg		60	55 - 110

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-164188/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164346 — **Prep Batch: 164188**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Arsenic	ND		1.0		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Barium	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Beryllium	ND		0.10		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Cadmium	ND		0.13		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Chromium	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Cobalt	ND		0.20		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Copper	ND		1.5		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Lead	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Molybdenum	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Nickel	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Selenium	ND		1.0		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Silver	ND		0.25		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Thallium	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Vanadium	ND		0.50		mg/Kg		08/01/14 08:21	08/04/14 19:21	1
Zinc	ND		1.5		mg/Kg		08/01/14 08:21	08/04/14 19:21	1

Lab Sample ID: LCS 720-164188/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164346 — **Prep Batch: 164188**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.0		mg/Kg		96	80 - 120
Arsenic	50.0	48.9		mg/Kg		98	80 - 120
Barium	50.0	50.6		mg/Kg		101	80 - 120
Beryllium	50.0	47.5		mg/Kg		95	80 - 120

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

Lab Sample ID: LCS 720-164188/2-A
Matrix: Solid
Analysis Batch: 164346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.2		mg/Kg		98	80 - 120
Chromium	50.0	48.6		mg/Kg		97	80 - 120
Cobalt	50.0	50.3		mg/Kg		101	80 - 120
Copper	50.0	48.4		mg/Kg		97	80 - 120
Lead	50.0	51.0		mg/Kg		102	80 - 120
Molybdenum	50.0	50.3		mg/Kg		101	80 - 120
Nickel	50.0	51.0		mg/Kg		102	80 - 120
Selenium	50.0	46.3		mg/Kg		93	80 - 120
Silver	25.0	24.9		mg/Kg		100	80 - 120
Thallium	50.0	49.1		mg/Kg		98	80 - 120
Vanadium	50.0	46.7		mg/Kg		93	80 - 120
Zinc	50.0	50.8		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 720-164188/3-A
Matrix: Solid
Analysis Batch: 164346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 164188

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	48.9		mg/Kg		98	80 - 120	2	20
Arsenic	50.0	50.0		mg/Kg		100	80 - 120	2	20
Barium	50.0	51.4		mg/Kg		103	80 - 120	2	20
Beryllium	50.0	48.2		mg/Kg		96	80 - 120	1	20
Cadmium	50.0	50.0		mg/Kg		100	80 - 120	2	20
Chromium	50.0	49.0		mg/Kg		98	80 - 120	1	20
Cobalt	50.0	51.0		mg/Kg		102	80 - 120	1	20
Copper	50.0	48.6		mg/Kg		97	80 - 120	1	20
Lead	50.0	51.8		mg/Kg		104	80 - 120	2	20
Molybdenum	50.0	51.1		mg/Kg		102	80 - 120	2	20
Nickel	50.0	52.0		mg/Kg		104	80 - 120	2	20
Selenium	50.0	47.3		mg/Kg		95	80 - 120	2	20
Silver	25.0	25.1		mg/Kg		101	80 - 120	1	20
Thallium	50.0	49.8		mg/Kg		100	80 - 120	1	20
Vanadium	50.0	47.1		mg/Kg		94	80 - 120	1	20
Zinc	50.0	51.8		mg/Kg		104	80 - 120	2	20

Lab Sample ID: LCSSRM 720-164188/25-A
Matrix: Solid
Analysis Batch: 164346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164188

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	27.9		mg/Kg		37	11 - 101
Arsenic	45.5	42.6		mg/Kg		94	69 - 119
Barium	579	543		mg/Kg		94	61 - 117
Beryllium	155	134		mg/Kg		87	56 - 102
Cadmium	201	183		mg/Kg		91	67 - 118
Chromium	106	95.4		mg/Kg		90	67 - 121
Cobalt	247	230		mg/Kg		93	64 - 133
Copper	130	117		mg/Kg		90	68 - 126
Lead	302	273		mg/Kg		90	62 - 113

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

Lab Sample ID: LCSSRM 720-164188/25-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164346 — **Prep Batch: 164188**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	165	141		mg/Kg		86	62 - 128
Nickel	305	285		mg/Kg		94	65 - 117
Selenium	133	122		mg/Kg		92	63 - 126
Silver	33.5	31.4		mg/Kg		94	51 - 130
Thallium	191	163		mg/Kg		85	64 - 124
Vanadium	214	189		mg/Kg		89	67 - 123
Zinc	388	350		mg/Kg		90	62 - 110

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-164262/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164398 — **Prep Batch: 164262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		08/02/14 13:02	08/05/14 12:25	1

Lab Sample ID: LCS 720-164262/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164398 — **Prep Batch: 164262**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.832		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-164262/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 164398 — **Prep Batch: 164262**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.842		mg/Kg		101	80 - 120	1	20

QC Association Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

GC Semi VOA

Prep Batch: 164229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Silica Gel Cleanup	Solid	3546	
LCS 720-164229/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-164229/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-164229/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 164311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-164229/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	164229
LCSD 720-164229/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	164229
MB 720-164229/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	164229

Analysis Batch: 164312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Silica Gel Cleanup	Solid	8015B	164229

HPLC/IC

Prep Batch: 197764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	3060A	
720-58972-1 MS	CEG-9 (0-1/2)	Total/NA	Solid	3060A	
720-58972-1 MSD	CEG-9 (0-1/2)	Total/NA	Solid	3060A	
720-58972-1 MSI	CEG-9 (0-1/2)	Total/NA	Solid	3060A	
LCS 440-197764/2-A	Lab Control Sample	Total/NA	Solid	3060A	
MB 440-197764/1-A	Method Blank	Total/NA	Solid	3060A	

Analysis Batch: 197829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	7199	197764
720-58972-1 MS	CEG-9 (0-1/2)	Total/NA	Solid	7199	197764
720-58972-1 MSD	CEG-9 (0-1/2)	Total/NA	Solid	7199	197764
720-58972-1 MSI	CEG-9 (0-1/2)	Total/NA	Solid	7199	197764
LCS 440-197764/2-A	Lab Control Sample	Total/NA	Solid	7199	197764
MB 440-197764/1-A	Method Blank	Total/NA	Solid	7199	197764

Metals

Prep Batch: 164188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	3050B	
LCS 720-164188/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-164188/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-164188/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-164188/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 164262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	7471A	
LCS 720-164262/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-164262/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 164262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-164262/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 164346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	6010B	164188
LCS 720-164188/2-A	Lab Control Sample	Total/NA	Solid	6010B	164188
LCSD 720-164188/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	164188
LCSSRM 720-164188/25-A	Lab Control Sample	Total/NA	Solid	6010B	164188
MB 720-164188/1-A	Method Blank	Total/NA	Solid	6010B	164188

Analysis Batch: 164398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-58972-1	CEG-9 (0-1/2)	Total/NA	Solid	7471A	164262
LCS 720-164262/2-A	Lab Control Sample	Total/NA	Solid	7471A	164262
LCSD 720-164262/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	164262
MB 720-164262/1-A	Method Blank	Total/NA	Solid	7471A	164262

Lab Chronicle

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Client Sample ID: CEG-9 (0-1/2)

Lab Sample ID: 720-58972-1

Date Collected: 07/30/14 08:30

Matrix: Solid

Date Received: 07/30/14 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			164229	08/01/14 16:23	AFM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	164312	08/04/14 23:27	JL	TAL PLS
Total/NA	Prep	3060A			197764	08/04/14 16:00	RW	TAL IRV
Total/NA	Analysis	7199		10	197829	08/05/14 09:59	QPD	TAL IRV
Total/NA	Prep	3050B			164188	08/01/14 08:21	ECT	TAL PLS
Total/NA	Analysis	6010B		4	164346	08/04/14 20:51	SLK	TAL PLS
Total/NA	Prep	7471A			164262	08/02/14 13:02	ECT	TAL PLS
Total/NA	Analysis	7471A		1	164398	08/05/14 12:39	EFH	TAL PLS

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Method Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cornerstone Earth Group
Project/Site: 1 Hanson Court

TestAmerica Job ID: 720-58972-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-58972-1	CEG-9 (0-1/2)	Solid	07/30/14 08:30	07/30/14 16:15

CORNERSTONE EARTH GROUP

720-58972

Chain of Custody Record

155304

Cornerstone Earth Group, Inc.	Project Manager: Kurt Soenen	Site Sampler: ~~Matt Anderson~~ Reece Morales	Date: 7-30-2014
	Tel/Fax: 408-245-4600 ext. 110	Lab Contact: Afsaneh Salimpour	Lab: Test America
1259 Oakmead Pkwy	Analysis Turnaround Time		
Sunnyvale, California 94085			
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	■ 1 week		
Project Name: 1 Hanson Court	☐ 3 days		
Site: Milpitas, CA	☐ 2 days		
Project Number: 726-1-3	☐ 1 day		

COC No: _____ of _____ COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	CAM 17 Metals (6000/7000)	TPHd/o w SG Cleanup (8015M)	Hexavalent Chromium	Pesticides (8081)	VOCs w/ TPHg (8260B)	Soluble CAM17 DI WET (6000/7000)	Soluble Hexavalent Chromium DI WET		Hold	Laboratory's Sample Specific Notes:
CEG-9 ~~EB-9~~ (0-1/2)	7/30/2014	8:30AM	liner	soil	1		x	x	x							
CEG-9 ~~EB-9~~ (1 1/2 - 2)	7/30/2014	8:33AM	liner	soil	1										x	
CEG-9 ~~EB-9~~ (2 1/2 - 3)	7/30/2014	8:35AM	liner	soil	1										x	

720-58972 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. Please send login and report to kohalloran@cornerstoneearth.com and ksoenen@cornerstoneearth.com

1.3c

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
~~Matt Anderson~~ Reece Morales	Cornerstone Earth Group	7-30-2014 8:40AM	Kevin O'Halloran	Cornerstone Earth Group	7-30-14 8:45am
Kevin O'Halloran	Cornerstone Earth Group	7-30-14 1:45pm		TAP	07/30/14 @ 1445
	TAP	07/30/14 @ 1615		TAP	7/30/14 1615

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58972-1

Login Number: 58972

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cornerstone Earth Group

Job Number: 720-58972-1

Login Number: 58972
List Number: 2
Creator: Ornelas, Olga

List Source: TestAmerica Irvine
List Creation: 08/01/14 10:56 AM

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	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	