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Alameda County  
Environmental Health

Project No.  
**7380.000.003**

August 15, 2011

Mr. Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6540

Subject: 1000 North Vasco Road  
Livermore, California

### **UPDATED SITE CHARACTERIZATION REPORT**

Dear Mr. Wickham:

ENGEO is pleased to present this site characterization report for the subject property ("Property"), located at 1000 North Vasco Road in Livermore, California (Figure 1). The original version of this report was prepared in accordance with the approved work plan dated April 1, 2011. This updated report includes additional characterization activities that were presented in an Interim Remedial Action Workplan dated July 12, 2011. Site remediation activities are currently in progress.

A leaking underground storage tank (LUST) case associated with the Property was closed in 2000; however, during recent removal of underground storage tanks (USTs) and associated piping and dispenser systems, evidence of soil and groundwater impact was encountered.

The purpose of this site characterization was to determine the extent of subsurface impact at the Property. Specifically, we addressed several data gaps that were identified in our April 2011 work plan. These data gaps were as follows:

- Vertical and lateral delineation of soil impacts in the vicinity of the former USTs and dispenser systems.
- Lateral delineation of groundwater impacts in the vicinity of the former USTs and dispenser systems.
- Potential soil vapor impacts resulting from identified soil and groundwater impacts.
- Potential VOC source at the Property.
- Determination of near-surface soil impact near pad-mounted transformer.

## **SUMMARY OF PREVIOUS ONSITE ENVIRONMENTAL INVESTIGATIONS**

### **ENGEO; Modified Phase One Environmental Site Assessment, 1000 North Vasco Road, Livermore, California; October 27, 2006; Project No. 7380.1.001.02.**

ENGEO performed a modified phase one environmental site assessment at the Property in 2006. Two Recognized Environmental Conditions (RECs) were noted – the gas station and the automotive service facility. The gas station had been identified as a LUST site. Four USTs were removed from the Property in 1994. At the time of the removal, evidence of leakage was observed at the tanks and/or associated piping. The tank pits and fuel dispenser locations were over-excavated as part of the remedial action. Hydrocarbon impact was confirmed within soils near the USTs. In May 1995, three groundwater wells were installed at the Property. One well (MW-1) exhibited detectable total petroleum hydrocarbons as diesel (TPH-d) concentrations for two (first and last) of the four quarters the wells were sampled. Gasoline was reported in one well (MW-3) during the initial 1995 sampling event. None of the BTEX (benzene, toluene, ethylbenzene and total xylene(s)) compounds were detected during the sampling events.

ACEH issued a Remedial Action Completion Certification (RACC) report dated May 22, 2000, stating that no further action related to the petroleum release(s) at the Property was required, and on May 23, 2000, issued a fuel leak site closure letter acknowledging the case was closed. The Regional Water Quality Control Board (RWQCB) signed and stamped the RACC report. The Property is listed as case closed in the LUST database maintained by the RWQCB.

Kens Tire, an automotive service facility, was observed in the south-central area of the Property. Hazardous and potentially hazardous materials were stored and generated at the facility. Though good housekeeping practices were observed at this facility, ENGEO opined that it was possible that unauthorized releases may have produced localized impacts to the subject property.

Additionally, approximately 600 cubic yards of material had been stockpiled on the vacant western portion of the property, which was generated from the UST removal.

Based on the initial findings of the assessment, ENGEO's work scope was revised to include soil and groundwater sampling. Borings were advanced near USTs and dispensing equipment to facilitate soil and groundwater sampling. Composite soil samples were also collected from soil stockpile on the vacant western portion of the Property.

A total of 12 direct push soil borings were advanced near the former USTs and fuel dispenser islands. Most of the collected soil samples exhibited either non-detectable or trace concentrations of hydrocarbon analytes; however, two samples collected near the diesel USTs exhibited elevated TPH as gasoline (TPH-g), TPH-d, and TPH as motor oil (TPH-mo) concentrations (maximum concentrations of 310 milligrams per kilogram (mg/kg), 730 mg/kg, and 2,200 mg/kg for TPH-g, TPH-d, and TPH-mo respectively). No BTEX or MTBE concentrations were detected in the collected soil samples.

Groundwater samples were collected from the two monitoring wells observed on the property. The groundwater samples were recovered from MW-1 (adjacent to the former diesel tank pit)

and from MW-3 (near former gasoline fuel dispensers). At the time of the investigation, MW-2 could not be located. The samples were analyzed for TPH-g, TPH-d, TPH-mo, BTEX, and MTBE. None of the samples exhibited detectable analyte concentrations.

A total of five 4-point composite soil samples were collected from the stockpiled soil. Trace concentrations of TPH-d, TPH-mo, and toluene were detected in some of the collected samples. These concentrations were below respective screening levels. Additionally, the samples exhibited detectable concentrations of several CAM-17 metal analytes; however, these were within expected background concentrations.

**ENGEO; Supplemental Environmental Services, Shell Gas Station, 1000 North Vasco Road, Livermore, California; June 20, 2007; Project No. 7380.1.002.04.**

ENGEO conducted a soil gas survey at the Property in 2007. The scope of work consisted of the recovery of three soil gas samples for laboratory analysis. One sample, G-1, was the only sample documented to contain concentrations of compounds at levels above Environmental Screening Levels (ESLs) established by the RWQCB and California Human Health Screening Levels (CHHSLs) established by the California EPA Office Of Environmental Health Hazard Assessment. The detected concentrations of benzene and tetrachloroethene (PCE) were above these respective screening levels. Additionally, elevated concentrations of hexane, tetrahydrofuran, cyclohexane, and 2, 2, 4-trimethylpentane were detected. At the time, ENGEO indicated that the elevated concentrations may have been attributable to a surface or subsurface gasoline release.

**Krazan and Associates; Phase I Environmental Site Assessment, BOTW No. 09-510-02, Geno's Country Store, 1000 North Vasco Road, Livermore, California; April 3, 2009; Project No. 013-09074.**

Krazan and Associates, Inc. (Krazan) performed a phase I environmental site assessment at the Property in 2009. Based on their assessment of the Property, Krazan identified two RECs, two potential RECs, and one historic REC as follows.

RECs

- At the time of the reconnaissance, five former gasoline dispenser islands were observed to the east of the restaurant, and four former diesel dispensers were observed to the north of the restaurant. Further, Krazan noted evidence of three USTs to the north and northeast of the restaurant. According to available records, these included two 15,000-gallon gasoline tanks and one 10,000-gallon diesel tank. The tanks and associated dispensers were reportedly installed in 1994 and temporarily sealed and abandoned in 2008.
- Four storm drains were observed during the site reconnaissance. According to the property owner at the time of the assessment, these drains were reportedly not connected to the municipal sewer system that services the Property, but instead were connected to dry wells measuring approximately 4 to 6 feet in diameter and 15 feet in depth. Given the Property use and the shallow groundwater table, these storm drains were considered an REC.

### Potential RECs

- At the time of the reconnaissance, approximately 200 waste tires were observed at the Property. Although not considered an environmental condition, these were considered a potential code compliance issue and potential environmental concern.
- Krazan noted that a citizen's complaint of oil in the creek north of the Property was filed in January 1999. The Livermore-Pleasanton Fire Department (LPFD) reportedly responded to the complaint and observed an oil sheen extending approximately 1 mile in length. A file review did not identify records associated with the spill. The Property owner at the time of the assessment indicated that he was unaware of a release associated with the Property, and an overturned tanker truck near the Property around the time of the complaint may have been responsible for the release.

### Historical REC

- Krazan identified the former LUST at the Property as a historical REC. Four USTs and associated piping and dispenser systems were removed in 1994. Following tank removal and over-excavation, elevated petroleum concentrations were identified within in-place soils at the excavation. Following additional soil excavation, it was reported that the bulk of impacted soil had been removed. Three groundwater monitoring wells were installed to a depth of 15 feet below the ground surface. Following on-going groundwater monitoring, ACEH issued a Remedial Action Completion Certification (RACC) report in May 2000.

### **Krazan and Associates, Phase II Environmental Site Assessment, BOTW No. 09-510-02, Geno's Country Store, 1000 North Vasco Road, Livermore, California; September 28, 2009; Project No. 013-09074.**

Krazan performed a phase II environmental site assessment at the Property in 2009. The work was performed to assess the RECs identified in the Phase I report as well as other potential subsurface areas of impact. A total of 17 soil borings were advanced to depths between 5 and 20 feet below the ground surface in the location of the USTs, piping, dispensers, dry wells, and sumps (including near the car wash and the restaurant grease trap). Soil samples collected from the USTs, piping, and dispensers were analyzed for the presence of TPH-g, TPH-d, BTEX, and MTBE. Samples collected near the dry wells and sumps were analyzed for the presence of total extractable petroleum hydrocarbons (TEPH), volatile organic compounds (VOCs), and CAM-17 metals. Additionally, a groundwater sample was collected from MW-3 (located to the east of the restaurant) and analyzed for the presence of TPH-g, TPH-d, BTEX, and MTBE.

TPH-d concentrations were detected in selected samples collected near the dispensers; however, these concentrations were below applicable screening levels. None of the samples collected near the USTs, piping, or dispensers exhibited detectable concentrations of TPH-g, BTEX, or MTBE. None of the samples collected near the sumps or dry wells exhibited detectable concentrations of TEPH or VOCs. Detected metal analytes were below appropriate screening levels, or within typical background concentrations. The groundwater sample exhibited a detected MTBE concentration of 2.2 micrograms per liter ( $\mu\text{g/l}$ ). No other analytes were detected in the sample. Krazan attributed the MTBE detection to an offsite source.

Based on the results of the assessment, Krazan did not recommend additional subsurface assessment in the areas that had been investigated.

**Tank and Pipeline Removal Narrative, 1000 N. Vasco Road Livermore, California, January 21, 2011 and January 27, 2011.**

ENGEO reviewed a tank and pipeline report, summarizing work observed by Mr. Marc Papineau. Following diesel and gasoline tank removal, a total of 23 soil samples were collected, including four from the gasoline storage tank pit, four from the diesel tank pit, 12 from the piping trenches, one from the base of the vent pipe rack below elbow depth, and two from soil stockpiles generated during removal. Additionally, two pit water samples were collected (one from each of the two tank pits). The sampling was reportedly performed under the observation of Inspector Danielle Stefani of the LPPD.

Trace TPH-d concentrations were identified in some of the soil samples collected near the gasoline dispensers. Additionally, elevated concentrations of TPH-d (ranging from 1,400 to 3,200 mg/kg) were detected in three near-surface soil samples collected near the former diesel dispensers. Concentrations of TPH-g (240 µg/l), MTBE (0.98 µg/l), TBA (5 µg/l), toluene (6.3-7.6 µg/l), ethylbenzene (3.8-4.6 µg/l), and xylene(s) (38-41 µg/l) were detected in the water sample collected from the gasoline tank pit. The diesel tank pit water sample exhibited concentrations of 540,000 µg/l of TPH-d, 190 µg/l ethylbenzene, 800 µg/l toluene, and 1,500 µg/l xylene(s).

**ENGEO; Phase I Environmental Site Assessment Update, Macedo Property, Livermore, California; March 18, 2011; Project No. 7380.000.002.**

ENGEO prepared a phase I environmental site assessment update in March 2011. A review of regulatory databases maintained by county, state, and federal agencies identified the Property as a previous LUST case, having been granted closure in 2000. A review of regulatory agency records and available databases did not identify contaminated facilities within the appropriate ASTM search distances that would be expected to affect the Property. The ESA report noted the recent removal of diesel and gasoline tanks from the Property as well as the reported soil and groundwater impact near the tanks and appurtenant facilities.

During the March 2011 site reconnaissance, several standpipes were observed around the perimeter of the automotive repair facility. The purpose of these standpipes was subsequently reported to be affiliated with an unfinished sewer system. Additionally, the potential presence of asbestos-containing building materials (ACBM) and lead-based paints was noted, and a lead-based paint and asbestos survey was recommended prior to demolition or significant renovation of the structures.

Several locations across the Property were observed to include the storage and use of fresh and waste petroleum products and potentially hazardous materials, as well as waste tires. Although testing of these materials and locations was not recommended at the time of report preparation, recommendations were made for removal and proper disposal of these materials. Additionally, a recommendation was made for an environmental professional to observe demolition and grading activities in these locations to determine if environmental impact had occurred.

Based on the findings of this assessment, two Recognized Environmental Conditions (RECs) were identified: the documented soil and groundwater impact associated with the former USTs and the presence of an automotive service facility. Several potential and historical RECs were identified for the Property, including the potential presence of lead-based paint and asbestos-containing building materials, the historic LUST case (closed in 2000), and the aforementioned storage of fresh and waste petroleum product, potentially hazardous materials, and waste tires.

## **SITE CHARACTERIZATION FIELD WORK**

To address these identified data gaps, several field sampling activities have been completed at the Property. These activities are presented below.

### **Soil Sampling**

#### Subsurface Soil Sampling

The purpose of the subsurface soil sampling study was to define further the inferred area of soil impact located in the vicinity of the former USTs and dispenser systems, as well as to determine if soil in other portions of the Property had been impacted during historic land uses and operations. We collected continuous soil cores from a total of 14 locations (Figure 2) on April 19 and 20, 2011, with the assistance of a C-57 licensed Geoprobe® direct push rig. One boring, Boring GP8, was moved approximately 20 feet to the south of its originally intended location due to access issues.

Continuous soil cores from each boring were logged by an ENGEO representative. Specific soil samples were collected for laboratory analysis by cutting a 6-inch portion of the Geoprobe® soil core liners corresponding to the respective desired sampling depths. Generally speaking, three samples were collected from each boring at respective depths of 4, 8, and 12 feet below the ground surface. During sampling, the retrieved soils were screened for visual and olfactory evidence of impact as well as with a photoionization detector (PID) for volatile organic vapors. On occasion, there was evidence or suspicion of impact within the collected soil profile. In these instances, additional or alternate samples were collected and submitted for analysis.

The sample sleeves were sealed using Teflon sheets secured by tight-fitting plastic end caps and labeled with a unique sample number, sample location, time/date collected, lab analysis, and the sampler's identification. The soil samples were placed in an ice-cooled chest submitted under documented chain of custody to SunStar Laboratories, a State-certified laboratory based in Lake Forest, California. The submitted soil samples were analyzed for the following target analytes:

- TPH-g, methyl-tert butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylene(s) (BTEX) and fuel oxygenates (EPA 8260B)
- TPH-d and TPH-mo (EPA/8015M with silica gel cleanup)
- Volatile organic compounds (VOCs) by EPA Test Method 8260B

As presented in Table 1 (attached), several samples exhibited detectable concentrations of TPH-d. These include samples collected from Borings GP2, GP4, GP9, GP10, GP11, GP12, and GP14. The borings are located in the vicinity of the former gasoline and diesel USTs, the diesel pump dispensers, and the former diesel tanks removed in 1994. In most cases, these detected residual concentrations were below representative ESLs residential land use scenario<sup>1</sup>; however, detected concentrations exceeded representative ESLs in three samples. Sample GP4@4' (TPH-d = 110 mg/kg); GP9@10' (270 mg/kg), and GP10@10' (860 mg/kg) exceeded the respective ESL of 83 mg/kg. Additionally, two samples exhibited TPH-mo concentrations that exceeded the respective ESL of 370 mg/kg; GP2@4' (880 mg/kg) and GP4@4' (1,000 mg/kg). In all cases, these samples (collected from the areas of the former USTs and dispenser pumps) were underlain by samples that did not exhibit detectable TPH-d or TPH-mo concentrations. The concentrations and locations of TPH impact are similar to those encountered during previous investigations at the Property. Additional discussion of the extent and location of these impacts are presented in later sections of this report. The laboratory analysis report of these samples is presented in its entirety in Appendix A.

#### Soil Sampling Near Existing Transformer

Soil samples were collected near a pad-mounted transformer, located to the west of the existing restaurant structure. A total of four soil samples were collected from an approximate depth of 3 inches below the ground surface at the locations shown in Figure 2. The soil samples were recovered using 2-inch-diameter by 6-inch-long stainless steel liners. The samples were sealed with Teflon, plastic end caps and duct tape, and preserved in an ice-cooled chest before being transported under documented chain of custody to SunStar Laboratories, a State-certified laboratory based in Lake Forest, California. The submitted soil samples were analyzed as a four-point composite for the following target analytes:

- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- TPH-d and TPH-mo (EPA/8015M with silica gel cleanup)

As presented in Table 2, the composite soil sample (labeled as "Composite"), did not exhibit detectable concentrations of PCBs. The sample exhibited detected concentrations of 34 and 39 mg/kg, respectively, for TPH-d and TPH-mo. These concentrations are below respective ESLs. The laboratory analysis report of these samples is presented in its entirety in Appendix A.

#### Soil Stockpiles

Approximately 600 cubic yards of stockpiled soil are located at the western portion of the Property. The stockpiled soil was reportedly excavated and placed at the time of UST removal in 1994. We understand that the stockpiled material will ultimately be transported from the Property for disposal at an appropriate facility. Although ENGEO staff sampled the soil material in 2006 (trace residual petroleum hydrocarbon concentrations were detected in selected samples), ACEH requested additional sampling.

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<sup>1</sup> SFRWQCB ESLs, 2008: Table A-1 – Shallow Soil Screening Levels for Residential Land Use where Groundwater is a Potential Drinking Water Source.

At the time of sampling, the stockpiled soil was in a different configuration than at the time of the 2006 sampling. The current configuration was not observed or confirmed at the time of the 2011 ESA update; heavy vegetation obscured this area at the time of that study. The stockpile configuration present at the time of sampling is presented in Figure 2.

A total of eight surface soil samples were collected from these soils as depicted on Figure 2. The soil samples were recovered using 2-inch-diameter by 6-inch-long stainless steel liners. The sample sleeves were sealed using Teflon sheets secured by tight-fitting plastic end caps and labeled with a unique sample number, sample location, time/date collected, lab analysis, and the sampler's identification. The soil samples were placed in an ice-cooled chest submitted under documented chain of custody to SunStar Laboratories, a State-certified laboratory based in Lake Forest, California. The submitted soil samples were analyzed for the following target analytes:

- TPH-g, MTBE, BTEX, and fuel oxygenates (EPA 8260B)
- CAM-17 metals (EPA Methods 6010B and 7471)

As presented in Table 2 (attached), the soil samples (labeled as D1 through D8), did not exhibit detectable concentrations of TPH-g, BTEX, or fuel oxygenates. Several CAM-17 analytes were detected; however, these concentrations were within typical background concentrations in the Livermore area. These concentrations are below respective ESLs considering a residential land-use scenario. Also presented in Table 2, the samples collected in 2006 did not exhibit detectable TPH-g, BTEX, or MTBE concentrations. Residual concentrations of TPH-d and TPH-mo were detected in the 2006 samples; however, these were below ESLs assuming a residential land-use scenario. Additionally, the CAM-17 analyte concentrations in the 2006 and 2011 samples were of a similar magnitude and were within typical background concentrations. As the 2011 samples are similar to the 2006 samples, and none of the target analytes exceed respective ESLs, it is our opinion these soils have been adequately characterized and could be considered for appropriate disposal without special considerations or for unrestricted re-use at the Property. The laboratory analysis report of the 2011 samples is presented in its entirety in Appendix A.

### **Groundwater Sampling**

To determine the extent (if any) of groundwater impact at the Property, a groundwater study was performed. Samples were collected at multiple locations across the Property, including near the former diesel and gasoline USTs and dispenser pumps. A total of nine grab groundwater samples were collected on April 19 and 20, 2011, from locations depicted on Figure 3. Although initially planned, groundwater could not be collected from Boring GP5-GW. An additional sample was collected from GP11. Additionally, a sample collected from GP9-GW was inadvertently destroyed following recovery. Sample recovery was also attempted from the three existing onsite groundwater wells. However, MW-1 did not yield groundwater, and MW-2 could not be located. Therefore, only MW-3 could be sampled.



The groundwater samples were collected from the depth of the first encountered groundwater, approximately 8 to 9 feet below the ground surface. The grab groundwater samples were collected using Geoprobe® direct push technology. Temporary PVC casings were used in each borehole to facilitate collection; groundwater samples were collected using dedicated disposable bailers. Following collection, well points were removed and backfilled in accordance with Zone 7 Water Agency requirements.

When collecting groundwater from MW-3, the depth to the groundwater surface was measured using an electronic water level indicator. Three well casing volumes of groundwater were purged from the well using a dedicated disposable bailer. The purge water was transferred into a drum and removed from the Property by the drilling contractor.

Upon collection, groundwater samples were placed into laboratory-provided, pre-preserved sample containers. Each container was labeled with sample identification, sample location, date and time of collection and sampler's identification. The groundwater samples were placed in an ice-cooled chest submitted under documented chain of custody to SunStar Laboratories, a State-certified laboratory based in Lake Forest, California. The submitted groundwater samples were analyzed for the following target analytes:

- TPH-g, MTBE, BTEX, and fuel oxygenates (EPA 8260B)
- TPH-d and TPH-mo (EPA/8015M with silica gel cleanup)
- VOCs by EPA Test Method 8260B

As presented in Table 3 and on Figure 3, in most cases, none of the collected groundwater samples exhibited detectable concentrations of TPH-mo, BTEX, fuel oxygenates, or most VOCs. Once sample (GP1-GW) exhibited a total xylene(s) concentration of 2.6 µg/l. Additionally, three samples (GP7-GW, GP10-GW, and MW-3) exhibited respective trichloroethene (TCE) concentrations of 2, 2.3, and 1.2 µg/l. These total xylene(s) and TCE concentrations are all below respective Maximum Contaminant Levels (MCLs).

One sample, GP1-GW, exhibited a TPH-g concentration of 55 µg/l and a TPH-d concentration of 890 µg/l. While the TPH-g concentration is below its respective ESL<sup>2</sup>, the TPH-d concentration exceeds the ESL of 100 µg/l assuming a residential land use scenario. Additionally, GP11-GW exhibited a TPH-g concentration of 110 µg/l, exceeding its respective ESL of 100 µg/l assuming a residential land use scenario. The laboratory analysis report of the 2011 samples is presented in its entirety in Appendix A.

As presented in the original site characterization report as well as the Interim Remedial Action Workplan dated July 12, 2011, A Sensitive Receptor Survey (SRS) identified one supply well, 2S/2E 35L2, at a listed address of 1151 Central Avenue. This well was sampled on July 13, 2011. The well system consisted of two standpipes – a shallow standpipe and a deep standpipe. For sample extraction, a portable irrigation pump and hose system was placed into the well. Each well was flushed for approximately five minutes prior to sampling. Once the flushing

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<sup>2</sup> SFRWQCB ESLs, 2008: Table F-1A – Groundwater Screening Levels where Groundwater is a Potential Drinking Water Source.

was completed, groundwater samples were collected and placed into laboratory-provided, pre-preserved sample containers. Each container was labeled with sample identification, sample location, date and time of collection and sampler's identification. The groundwater samples were placed in an ice-cooled chest submitted under documented chain of custody to TestAmerica Laboratories, Inc., a State-certified laboratory based in Pleasanton, California. The submitted groundwater samples were analyzed for the following target analytes:

- TPH-g and VOCs (EPA 8260B)
- TPH-d (EPA/8015M with silica gel cleanup)

As presented in Table 3, with the exception of a detection of MTBE in the shallow well, none of the target analytes were detected. The shallow well sample exhibited an MTBE concentration of 3.6 µg/l, which is below its respective MCL and is not considered a COC associated with the subject Property. Based on the laboratory analysis, these nearby wells do not appear to have been impacted by the releases at the Property.

The laboratory analysis report of these samples is presented in its entirety in Appendix C.

### **Soil Vapor Sampling**

In addition to soil and groundwater sampling, we performed a soil vapor sampling program. A total of 12 soil vapor monitoring wells were installed in locations situated across the Property, as shown in Figure 5. Some of the soil vapor monitoring wells were installed in different locations than originally intended as follows:

- SG-8 was moved from a location west of the northern metal shed to approximately 10 feet from the northeast corner of the shed due to access limitations.
- SG-7 was moved approximately 50 feet to the south of its originally intended location due to the placement of SG-8.
- SG-9 was moved approximately 20 feet to the south of its originally intended location due to access limitations.
- SG-1 was moved approximately 10 feet to the east of its originally intended location due to difficult drilling conditions.

The installation and sampling of the soil vapor monitoring wells was performed in accordance with the Department of Toxic Substances Control (DTSC) *Draft Advisory – Active Soil Gas Investigation (March 2010)*. The wells were installed on April 19 and 20, 2011. The soil vapor monitoring well casings consist of ¼-inch diameter Teflon® tubing equipped with a filter at the base of the tubing. The wells were installed within an approximately 4-inch-diameter soil boring to a depth of 5.5 feet below ground surface. Upon completion of the boring, approximately 6 inches of No. 3 sand was placed into the bottom of the boring. The well casing was inserted such that the filter is situated at 5 feet below the ground surface, with the top of the Teflon tubing extending approximately 6 inches above the ground surface. Approximately 6 inches of sand was placed into the annular space of the boring, followed by 12 inches of hydrated bentonite. The final well seal was installed by filling the remaining 3 feet of the boring with neat cement grout. A well construction diagram is included as Figure 6.

Vapor samples were collected from the soil vapor monitoring wells on May 13, 2011. The sample train was connected to the Teflon tubing emanating from the well using airtight connectors and a built-in flow controller set to 150 ml/min. Prior to sample collection, a purge canister was opened and three purge volumes were extracted from the well. The purging process also allowed for a system leak test. After purging, a sample was collected by opening the sample canister valve and allowing the sample canister to extract soil vapor until the vacuum in the sample canister reached approximately 5 inches Hg. The leak detection compound 1,1-Difluoroethane was applied to cloth rags, which were placed around the manifold fittings during sample collection as an additional system leak check.

Following sampling, each sample canister was submitted under documented chain of custody to SunStar Laboratories, a State-certified laboratory based in Lake Forest, California. The submitted soil vapor samples were analyzed for volatile organic compounds (VOCs), including TPH-g, by EPA Test Method TO-15.

As presented in Table 4 (attached), several VOCs were detected in the soil vapor samples. With limited exception, these detected concentrations were below respective ESLs considering a residential land use scenario<sup>3</sup>. Several of the detected VOCs, including a range of chlorinated solvents, were not present in soil and groundwater and are considered to have originated from an offsite source. One sample, SG4, exhibited a tetrachloroethene concentration of 450  $\mu\text{g}/\text{m}^3$ , which exceeds the ESL of 410  $\mu\text{g}/\text{m}^3$ . Additionally, several samples exhibited TPH-g concentrations that exceed the respective ESL of 10,000  $\mu\text{g}/\text{m}^3$ . Additional discussion of the extent and location of these impacts are presented in later sections of this report. The laboratory analysis report of these samples is presented in its entirety in Appendix B.

A second round of soil vapor sampling was performed at the Property on July 13 and 14, 2011. The samples were collected following the protocols described above. Following sampling, each sample canister was submitted under documented chain of custody to Air Toxics Ltd., a State-certified laboratory based in Folsom, California. The submitted soil vapor samples were analyzed for volatile organic compounds (VOCs) by EPA Test Method TO-15 and for TPH-g and TPH-d by EPA Test Method TO-17. For three of the samples (SG-3, SG-5, and SG-10), vacuum remained in the canisters, resulting in elevated detection limits. Additionally, the TO-17 samples collected from Wells 2 and 3 were both inadvertently labeled as "SG-3"; however, both of these samples exhibited non-detectable concentrations of TPH-g and TPH-d.

As presented in Table 4 (attached), several VOCs were detected in the soil vapor samples. With the exception of TPH-g and TPH-d, all detected VOC concentrations were below respective ESLs considering a residential land use scenario<sup>3</sup>. Two samples, SG-1 and SG-6, exhibited TPH-g and/or TPH-d concentrations that exceed the respective ESLs of 10,000  $\mu\text{g}/\text{m}^3$ . However, these two vapor wells are located adjacent to impacted soil locations that will be remediated during proposed excavation activities. Therefore, these elevated concentrations are expected to attenuate to insignificant or non-detectable concentrations following completion of the remedial program.

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<sup>3</sup> SFRWQCB ESLs, 2008: Table E-2 – Shallow Soil Gas Screening Levels for Residential Land Use.

The laboratory analysis report for the July 2011 soil vapor sampling program is presented in its entirety in Appendix D.

## **CONCEPTUAL SITE MODEL**

Combining the data from the recent workplan with that collected during the past explorations and sampling programs completed by ENGEO, Krazan, and Mr. Marc Papineau, we have prepared a conceptual site model (CSM). The CSM has been developed from the known site history and soil and groundwater data collected at the Property to date. A discussion of the source and type of contamination, contaminant migration, extent of impact, and a receptor exposure assessment are presented in the following sections.

### **Geology and Topography**

The site is located within the Coast Ranges geomorphic province of California. The Coast Ranges are dominated by a series of northwest-trending mountain ranges that have been folded and faulted in a tectonic regime that involves both translational and compressional deformation. The site is located in the southwest portion of the Livermore Valley, which is underlain by a thick sequence of alluvial deposits. The soil deposits in this area are mapped as Pleistocene alluvial fan and fluvial deposits (Helley & Graymer, 1997). According to published USGS topographic maps, the Property slopes gently westward at an elevation of approximately 525 to 530 feet above mean sea level. The earthen slope of the flood control channel bordering the site along the eastern portion of the northern property line is approximately 8 feet in height.

### **Subsurface Stratigraphy**

Based on the findings of ENGEO's past field explorations at the Property, the site soils consist of fill over interbedded silty clay, sandy clay, clayey sand and silty sand with various amounts of gravel. Fill found in a boring drilled at the eastern portion of the site is approximately 2 feet thick and consists of silty clay. The sandy deposits were found to be loose to medium dense in consistency. According to previous CPT soundings, the sandy layers range from very thin to up to approximately 10 feet in thickness. The clayey soils were found to be very stiff (ENGEO, 2010). The borings completed during this workplan confirmed these findings, as interbedded layers and lenses of clayey, sandy, and gravelly soils were encountered. Boring logs are attached in Appendix E.

### **Groundwater**

Groundwater has been encountered at approximate depths ranging between 8 and 15 feet below the ground surface during past geotechnical explorations, environmental investigations, and monitoring well sampling events. During this workplan, groundwater was encountered at a depth of approximately 8 to 9 feet below the ground surface. Although a groundwater direction and gradient could not be determined during this study, the groundwater gradient and flow was determined to be directed in a west-northwest to northwesterly direction during past explorations (Krazan, 2009b).

### **Sensitive Receptor Survey**

A Sensitive Receptor Survey (SRS) was previously performed for the site vicinity. One supply well, 2S/2E 35L2, was discovered within a 2,000-foot radius at a listed addresses of 1151 Central Avenue. The approximate location for the previously mentioned well is depicted in Figure 7. As discussed, the two wells at this nearby parcel were recently sampled and have not been affected by the releases that have occurred at the Property.

### **Nature and Source of Contamination**

Petroleum hydrocarbons (TPH-d and TPH-g) have been identified as the constituents of concern (COC) in soil and groundwater at the Property. The soil and groundwater impacts are associated with three of the four former UST locations and two of the three former dispenser locations; all located within the northeast portion of the Site.

The most notable soil impacts are attributed to releases of TPH-d, which appear to have occurred from the dispenser lines, as well as the USTs, since identified soil impacts have been detected at depths ranging from as shallow as 3 feet below the ground surface to as deep as 10 feet below the ground surface (Figure 4). Detections of TPH-mo are collocated in some areas that exhibited TPH-d impacts, which is likely due to weathering of the TPH-d fraction. TPH-g impacts to soil appear to be less extensive compared to TPH-d, and there have been no significant detections of BTEX in soil.

We suspect that much of the TPH-d impact likely occurred before the installation of the new double-wall UST and product lines in 1994. At the time of UST removal in 1994, some impacted soil was removed, although impacted soil remained in-place, potentially acting as source for the limited groundwater impact that has been detected. Given this, we would expect the groundwater impacts to have attenuated to some extent following the 1994 removal, followed by subsequent conditions of equilibrium. This is supported by historical groundwater data, which shows that the maximum TPH-d concentration detected during our 2011 investigation (890 µg/l) is slightly less than the maximum TPH-d concentration detected in MW-1 in 1995 (910 µg/l). Following remedial activity (described below), target analyte concentrations in MW-1 subsequently decreased to non-detectable concentrations, last confirmed in 2006. TPH-g was detected in one grab groundwater sample at a concentration slightly above the respective ESL (Figure 3). Neither benzene nor MTBE was detected in any of the monitoring wells or soil boring samples. Based on the relatively limited groundwater impacts, we would expect RWQCB to categorize this Site as low risk.

Elevated concentrations of TPH-g and associated VOCs have been detected in shallow soil vapor samples collected at multiple locations at the Property (Figure 5). This is expected since numerous dispensers and shallow product lines were recently removed from the Property and residual fresh product may have come in contact with shallow soil. Despite the elevated TPH-g concentrations, only low-level concentrations of BTEX compounds (all below respective ESLs) and other hydrocarbon analytes typically associated with gasoline were detected. Further, the analytical laboratory has indicated that the detected TPH-g within soil vapor does not follow a typical pattern and is constituted on heavier-phase hydrocarbon chains, further substantiating our

opinion that it is emanating from the identified TPH-d soil impact. It is expected that these concentrations will dissipate with time. Removal of the impacted soil from the former UST and dispenser locations will accelerate the rate of dissipation.

Several of the TPH-g concentrations detected in the May 2011 sampling exceeded the respective soil vapor ESL of 10,000  $\mu\text{g}/\text{m}^3$  considering a residential land use scenario. However, these elevated TPH concentrations may have been the result of matrix and/or laboratory interference and are not considered indicative of subsurface conditions. Subsequent soil vapor sampling only identified detectable TPH-g and TPH-d concentrations in two wells adjacent to confirmed areas of soil impact that will be remediated. Further, these wells are located in an area that will be developed into a park in the future. Therefore, the detected TPH soil vapor concentrations are expected to attenuate following remediation and are not considered indicative of a threat to future residential land users.

Relatively low concentrations of PCE and TCE have been detected in groundwater and soil vapor in various sample locations at the Property. Given that the highest concentration of TCE was exhibited in the southernmost groundwater sample (GW10) and there have been no documented releases or suspected use of chlorinated solvents at the Property, the impacts appear to represent a “background” condition, which likely originated from an upgradient source south of the Property. Although one soil vapor sample (SG4) collected in May 2011 exhibited a PCE concentration (450  $\mu\text{g}/\text{m}^3$ ) in excess of its respective ESL, this concentration is not considered indicative of the overall PCE concentrations present in soil vapor at the Property. Subsequent soil vapor sampling in July 2011 found chlorinated solvents at non-detectable or trace concentrations below respective screening levels. Therefore, the presence of chlorinated solvents at the Property are considered a de minimus condition and are not expected to affect future residential use of the Property.

### **Contaminant Migration and Extent of Impact**

Based on the data collected during the previous and recent field investigations, TPH-d impacts to soil are present in the lower sidewalls and bases of the UST/dispenser basin excavations and within the basin backfill. Soil remediation appears to be warranted for these four “areas of concern” (Figure 4) to prevent potential impact to groundwater and to expedite attenuation of the residual groundwater impacts. The specific locations of the remaining soil impacts and reported concentrations are summarized as follows:

- Shallow soil impacts are present at a depth of 3 feet below the ground surface beneath the three northern diesel dispensers that were removed in 2011. Detected concentrations of TPH-d range from 1,400 to 3,200 mg/kg (PL3-S10 through PL3-S12) at this depth. Beneath the northernmost dispenser, the soil impacts extend to a depth of 10 feet below the ground surface; a TPH-d concentration of 860 mg/kg was detected in GP10. Samples collected from a depth of 12 feet below the ground surface did not exhibit detected concentrations of petroleum hydrocarbons.
- Soil impacts are present at depths of 9 to 10 feet below the ground surface within the approximate limits of the diesel UST basin that was excavated in 1994. At the time of the UST removal in 1994, a limited over-excavation was performed which partially removed the

soil impacts. Additionally, an enhanced bioremediation product was placed in groundwater that was present in the open excavation prior to backfilling. The attenuation of TPH-d impacts that were initially detected in MW-1 is attributed to this remedial activity. Recent sampling in this area has confirmed the presence of some remaining TPH-d impact; TPH-d was detected within the approximate sidewalls and base of the former excavation at concentrations ranging from 270 to 2,200 mg/kg (GP9 and 3-P1; collected in 2011 and 2006, respectively). Sample GP9-12', collected from a depth of 12 feet below the ground surface, did not exhibit detected concentrations of petroleum hydrocarbons.

- Impacts within backfill were identified at a depth of 4 feet below the ground surface within the eastern portion of the diesel UST basin that was excavated in 2011. TPH-d was detected in sample GP4 at a concentration of 110 mg/kg, which exceeds its respective ESL. TPH-mo was detected in the same sample at a concentration of 1,000 mg/kg, also exceeding its ESL. Deeper soil boring data from this area and the confirmation samples collected during the UST removal did not identify detectable petroleum hydrocarbon concentrations.
- Hydrocarbon impact was also detected within backfill soils within the southeast portion of the gasoline UST basin that was excavated in 2011. TPH-mo was detected (880 mg/kg) at a depth of 4 feet below the ground surface, which is possibly a result of soil from the diesel UST excavation being placed as backfill in the gasoline UST excavation. Deeper soil boring data from this area and the confirmation samples collected during the UST removal did not exhibit detectable concentrations.

Groundwater data has been collected from three monitoring wells and numerous grab samples. Of particular importance is MW-1, which is located at the downgradient edge of the diesel UST basin that was excavated in 1994 (Figure 3). Our findings regarding the groundwater impacts are summarized as follows:

- Five quarterly monitoring events have been completed for MW-1 since the well was installed in 1995. Detections in MW-1 have been limited to TPH-d at concentrations of 910  $\mu\text{g/l}$  in 1995 and 228  $\mu\text{g/l}$  in 1996. During the four quarterly monitoring events completed for MW-2 and MW-3 in 1995 and 1996, no detections above laboratory reporting limits were reported. MW-1 and MW-3 was sampled by ENGEO in 2006; neither well exhibited detectable TPH or BTEX concentrations. MW-3 was sampled in 2009 and again during the recent field activity. No TPH or BTEX analytes were detected during either sampling event. TCE was detected during the recent sampling event at a concentration of 1.2  $\mu\text{g/l}$ , which appears to be associated with an offsite source.
- Grab groundwater samples were collected in January 2011 during UST removal and excavation activities. Significantly elevated concentrations of TPH-d, TPH-g, and benzene were detected in these samples; maximum concentrations of 540,000  $\mu\text{g/l}$ , 4,400  $\mu\text{g/l}$ , and 91  $\mu\text{g/l}$  were detected for TPH-d, TPH-g, and benzene, respectively. We understand these samples were collected from groundwater that had infiltrated into the excavation shortly after tank removal. We further understand that no purging of the infiltrating groundwater occurred, and that the samples were collected from an area that may have been locally and briefly impacted by remnant free product released from equipment and adjacent soil during removal. Further, the highest detected concentrations within samples collected during UST removal were within samples collected from the diesel UST excavation. Groundwater samples subsequently collected from this area (GP4 and GP6) did not exhibit detectable

concentrations of any petroleum hydrocarbons or other target analytes. Therefore, the elevated concentrations in samples collected at the time of UST removal have been attributed to transient, localized impact that occurred during equipment and adjacent soil removal, and are not considered representative of groundwater conditions.

- Grab groundwater samples were collected from nine soil borings in 2011. GP1, located approximately 50 feet southeast of MW-1, exhibited TPH-d and TPH-g concentrations of 890 and 55 µg/l. GP11, located approximately 50 feet southwest of MW-1, exhibited a TPH-g concentration of 110 µg/l. The remaining seven grab sample locations did not exhibit detectable target analyte concentrations above laboratory reporting limits.
- The recently completed sampling of an off-site well did not identify the presence of COCs associated with the Property. Based on this sampling event, off-site sensitive receptors do not appear to have been impacted by the leaking underground tanks at the Property.

Based on a review of the extensive groundwater data collected at the Property since 1994 (Figure 3), groundwater impacts appear to be present in a localized area to the south of MW-1, near the former diesel dispensers (represented by samples collected at GP1 and GP11). As in the case of groundwater impacts previously observed at MW-1 that subsequently decreased to non-detectable conditions, this limited area of low-level groundwater impact is expected to attenuate following the removal of the identified areas of soil impact.

## **CONCLUSIONS AND RECOMMENDATIONS**

As described in this report, petroleum hydrocarbon impact (consisting primarily of diesel-range hydrocarbons) is present near the former gasoline and diesel USTs and diesel dispenser lines. This lateral and vertical extent of impact has been well defined within this area during studies dating to the mid-1990s. Figure 4 depicts the footprint of soil impact demonstrating the lateral distribution of the impact.

Additionally, the isolated groundwater impacts present at the Property are limited in magnitude and in extent. Only two grab groundwater samples exhibited concentrations in excess of respective ESLs. Groundwater sampling dating to the 1990s has identified low-level, intermittent concentrations that were below respective ESLs in most cases. Elevated TPH concentrations detected at the time of UST removal in early 2011 do not appear to be representative of groundwater conditions and have been attributed to cross-contamination or other transient conditions at the time of sampling.

Elevated gasoline-range hydrocarbons were detected in several soil vapor samples collected during the May 2011 sampling event. However, these elevated TPH concentrations were confirmed to consist of hydrocarbon ranges associated with advanced weathered gasoline or heavier fuel ranges and may have been the result of matrix and/or laboratory interference and are not considered indicative of subsurface conditions. Subsequent soil vapor sampling completed in July 2011 did not identify TPH-g or TPH-d in areas outside of the confirmed areas of soil impact.

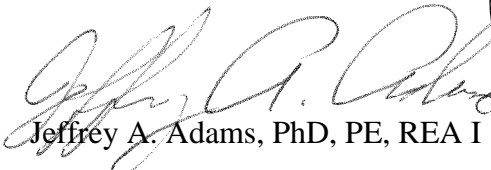


Although numerous remedial strategies may be considered, given the conditions at the Property, including the limited and well-defined soil impact, the low-level groundwater impact resulting from past UST releases, and the physical properties of the contamination present, an excavation program has been identified as the best remediation option. A remedial program consisting of excavation is currently underway at the Property and is expected to be completed in August 2011. Because soil vapor impacts and previously identified groundwater impacts are limited to the immediate vicinity of the confirmed soil impact, these impacts are expected to quickly attenuate following remediation of impacted soil. Additionally, the excavation operations are expected to adversely impact some of these wells. We recommend that the wells at the Property be properly destroyed.

If you have any questions regarding this document, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

  
Jeffrey A. Adams, PhD, PE, REA I



  
Shawn Munger, CHG, REAII

Attachments: Selected References  
Figures 1 – 7  
Tables 1 – 4  
Appendices A – E

cc: 1 - Mr. Scott Menard, Arbor Development Group, LLC

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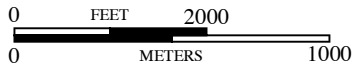
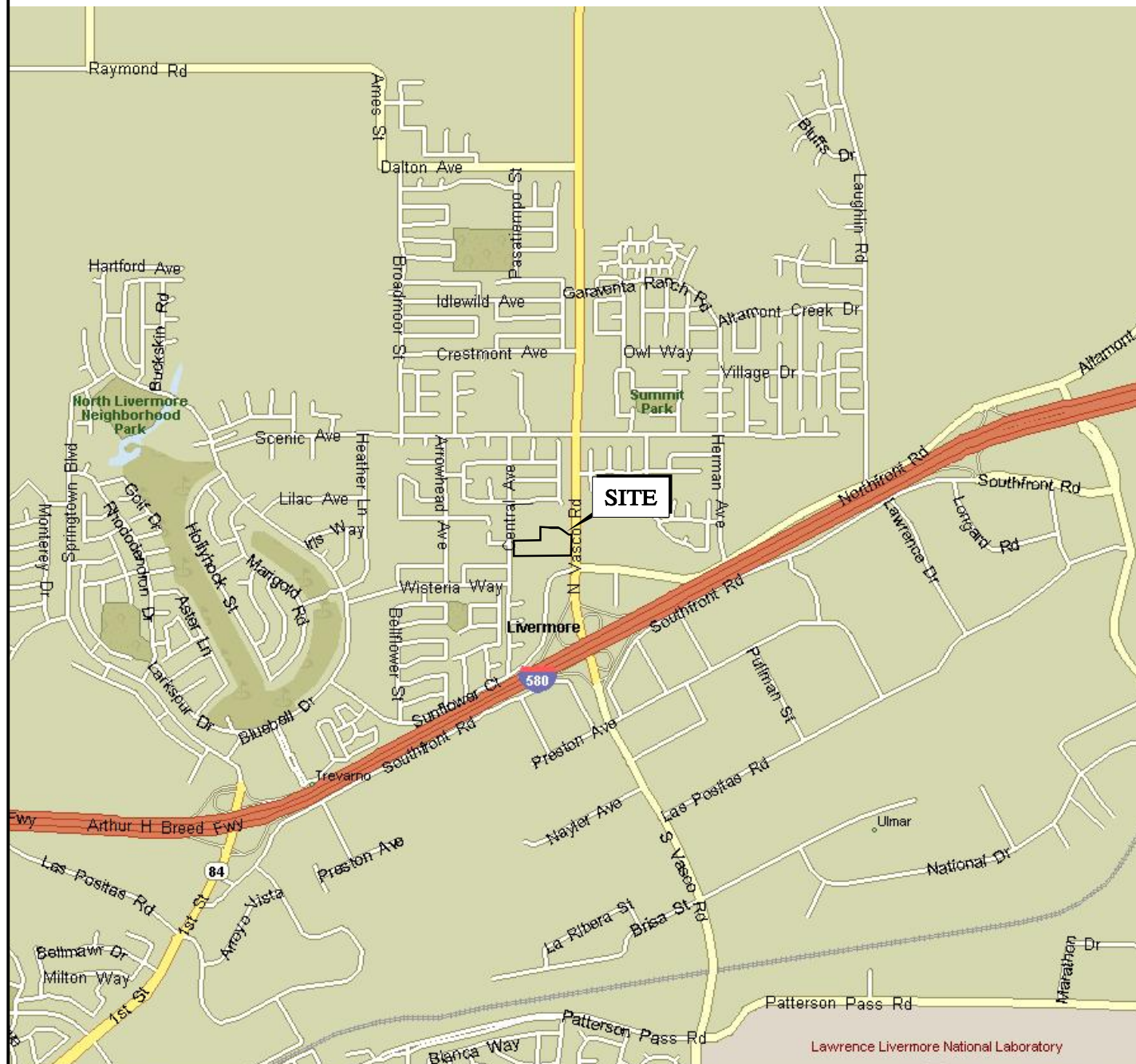
Krazan and Associates, Phase II Environmental Site Assessment, BOTW No. 09-510-02, Geno's Country Store, 1000 North Vasco Road, Livermore, California; September 28, 2009; Project No. 013-09074.

Marc Papineau, Tank and Pipeline Removal Narrative, 1000 N. Vasco Road Livermore, California, January 21, 2011 and January 27, 2011.

## **FIGURES**

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan – 2011 Site Characterization
- Figure 3 – Groundwater Data – 2011 Site Characterization
- Figure 4 – Soil Data – 2011 Site Characterization and Previous Investigations
- Figure 5 – Soil Vapor Data – 2011 Site Characterization and Previous Investigation
- Figure 6 – Soil Vapor Well Construction Diagram
- Figure 7 – Water Supply Wells Within 2,000 Feet of 1000 North Vasco Road

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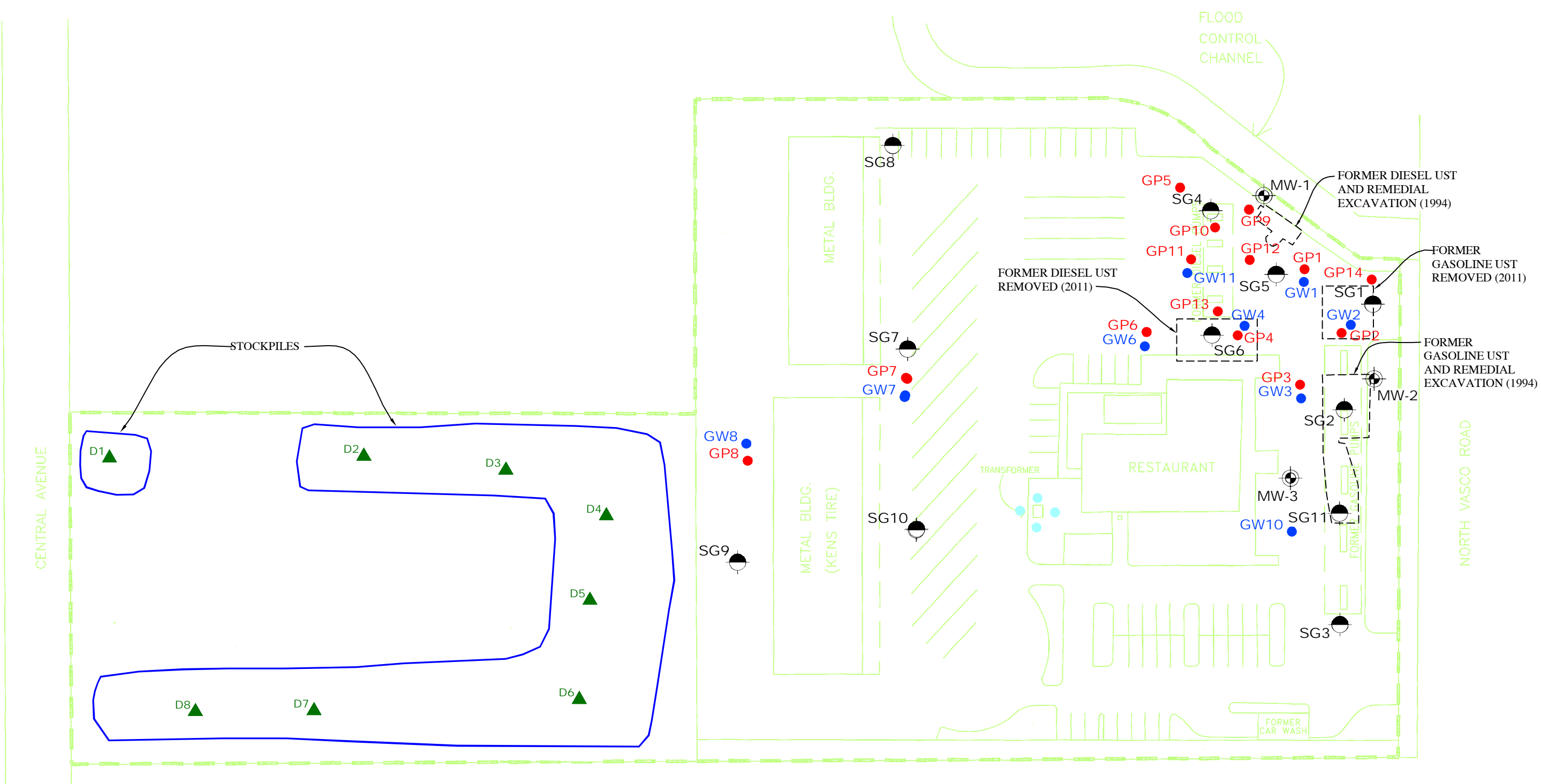
BASE MAP SOURCE: MS STREETS AND TRIPS



VICINITY MAP  
 1000 NORTH VASCO ROAD  
 LIVERMORE, CALIFORNIA

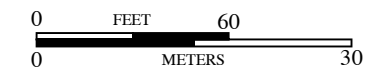
PROJECT NO.: 7380.000.003		FIGURE NO. <b>1</b>
SCALE: AS SHOWN		
DRAWN BY: DLB	CHECKED BY: SPM	

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**EXPLANATION**

- MW-3 APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- D8 APPROXIMATE LOCATION OF STOCKPILE SAMPLE
- SG11 APPROXIMATE LOCATION OF SOIL VAPOR WELL
- GP14 APPROXIMATE LOCATION OF GRAB SOIL SAMPLE
- GW11 APPROXIMATE LOCATION OF GRAB GROUNDWATER SAMPLE
- APPROXIMATE LOCATION OF NEAR SURFACE SOIL SAMPLE
- APPROXIMATE REMEDIAL EXCAVATION BOUNDARY 1994



BASE MAP SOURCE: H2OGEOL AND MACKAY & SOMPS

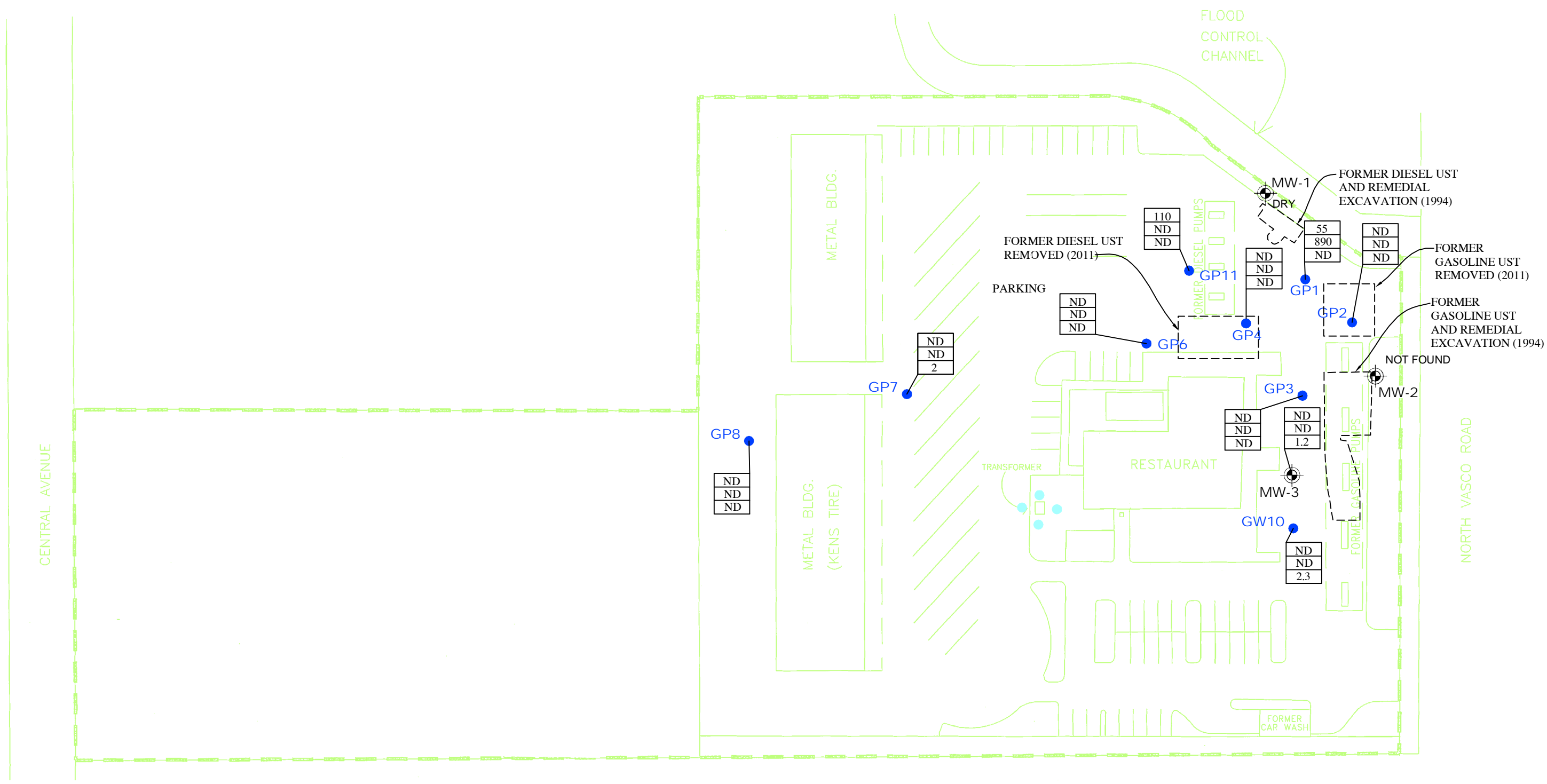


**SITE PLAN - 2011 SITE CHARACTERIZATION**  
 1000 NORTH VASCO ROAD  
 LIVERMORE, CALIFORNIA

PROJECT NO.:	7380.000.003
SCALE:	AS SHOWN
DRAWN BY:	SRP
CHECKED BY:	SPM

FIGURE NO.  
**2**

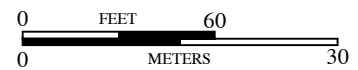
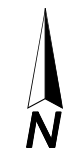
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**EXPLANATION**

- MW-3 APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- GW11 APPROXIMATE LOCATION OF GRAB GROUNDWATER SAMPLE
- ND NOT DETECTED
- NA NOT ANALYZED

ND	TPHg - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ( $\mu\text{g/L}$ )
ND	TPHd - TOTAL PETROLEUM HYDROCARBONS AS DIESEL ( $\mu\text{g/L}$ )
2	TCE - TRICHLOROETHENE ( $\mu\text{g/L}$ )



BASE MAP SOURCE: H20GEO AND MACKAY & SOMPS

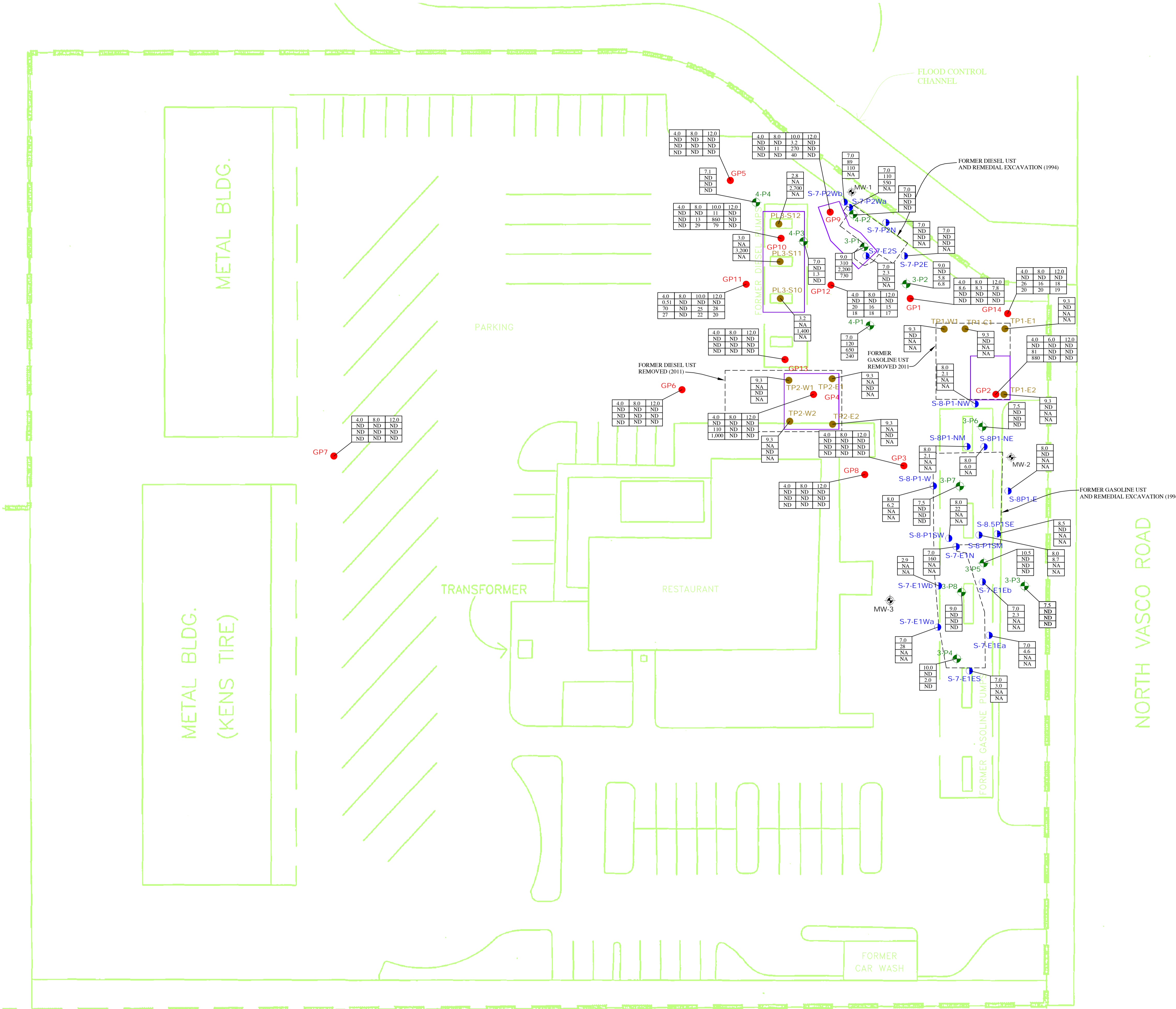


**GROUNDWATER DATA - 2011 SITE CHARACTERIZATION**  
 1000 NORTH VASCO ROAD  
 LIVERMORE, CALIFORNIA

PROJECT NO.: 7380.000.003
SCALE: AS SHOWN
DRAWN BY: DLB CHECKED BY: SPM

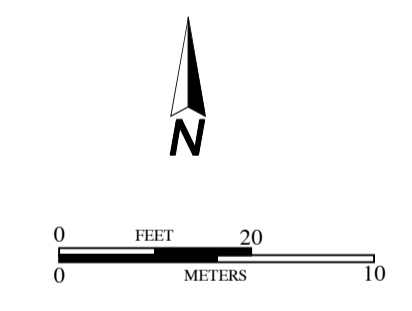
FIGURE NO. **3**

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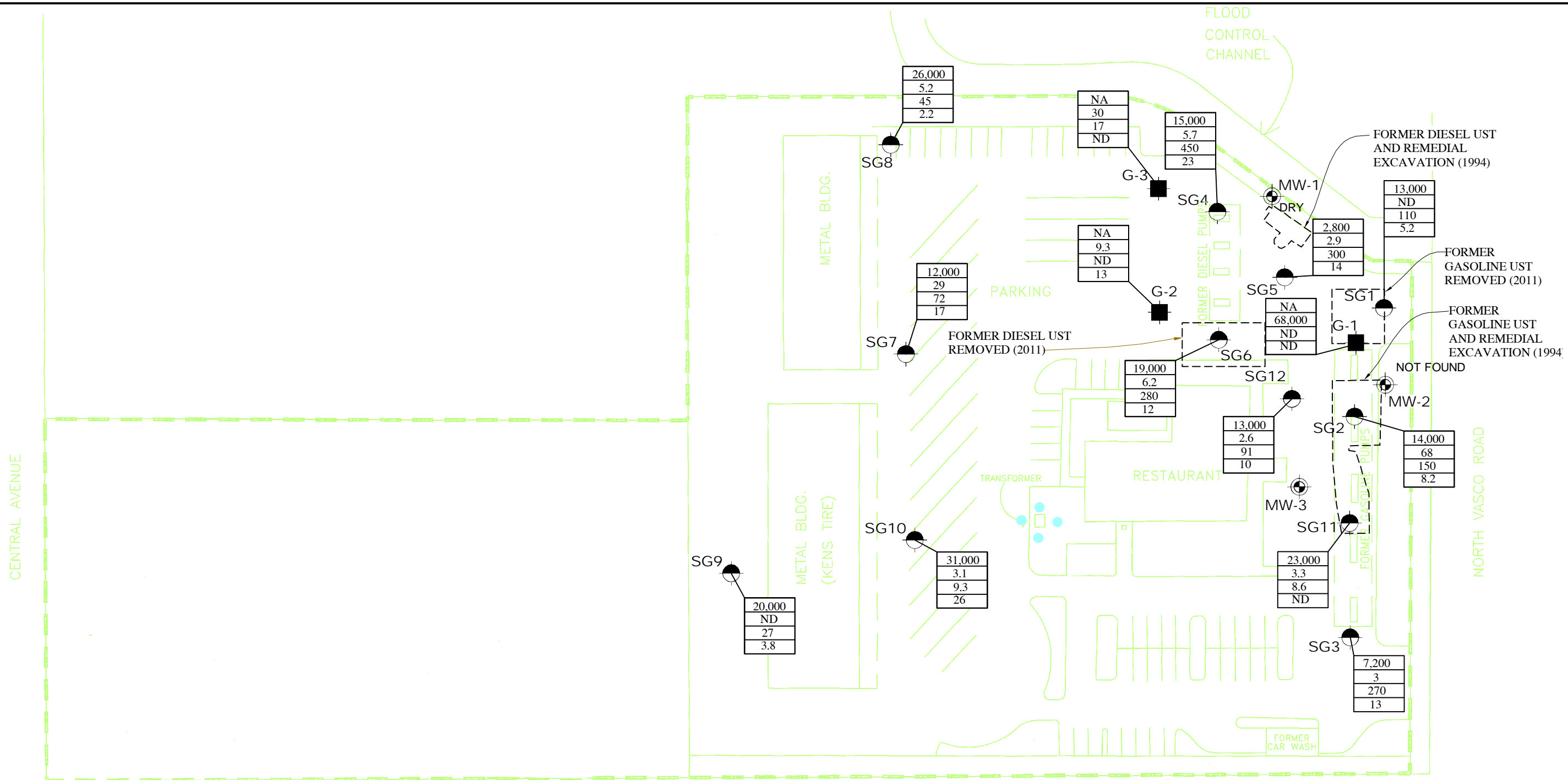


**EXPLANATION**

- GP14 ● APPROXIMATE LOCATION OF GRAB SOIL SAMPLE (ENGE0, 2011)
- 4-P4 ● APPROXIMATE LOCATION OF GRAB SOIL SAMPLE (ENGE0, 2006)
- MW-3 ● APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- TP-2W2 ● APPROXIMATE LOCATION OF EXCAVATION CONFIRMATION SAMPLE (PAPINEAU, 2011)
- S-8.5-P1SE ● APPROXIMATE LOCATION OF EXCAVATION CONFIRMATION SAMPLE (GRAYLAND, 1994)
- - - APPROXIMATE LOCATION OF REMEDIAL EXCAVATION BOUNDARY 1994
- APPROXIMATE LOCATION OF AREAS OF IMPACT
- ND NOT DETECTED
- NA NOT ANALYZED
- 10.0 SAMPLE DEPTH IN FEET
- ND TPH-GASOLINE
- 2.0 TPH-DIESEL
- 7.0 TPH-MOTOR OIL



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**EXPLANATION**

- MW-3 APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- SG12 APPROXIMATE LOCATION OF SOIL VAPOR (ENGEO, 2011)
- G-3 APPROXIMATE LOCATION OF GRAB SOIL VAPOR SAMPLE (ENGEO, 2007)
- APPROXIMATE REMEDIAL EXCAVATION BOUNDARY 1994
- ND NOT DETECTED
- NA NOT ANALYZED

23,000	TPHg - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ( $\mu\text{g}/\text{m}^3$ )
3.3	BENZENE ( $\mu\text{g}/\text{m}^3$ )
8.6	PCE - TETRACHLOROETHENE ( $\mu\text{g}/\text{m}^3$ )
ND	TCE - TRICHLOROETHENE ( $\mu\text{g}/\text{m}^3$ )



BASE MAP SOURCE: H2OGEOL AND MACKAY & SOMPS



**SOIL VAPOR DATA - 2011 SITE CHARACTERIZATION AND PREVIOUS INVESTIGATION**

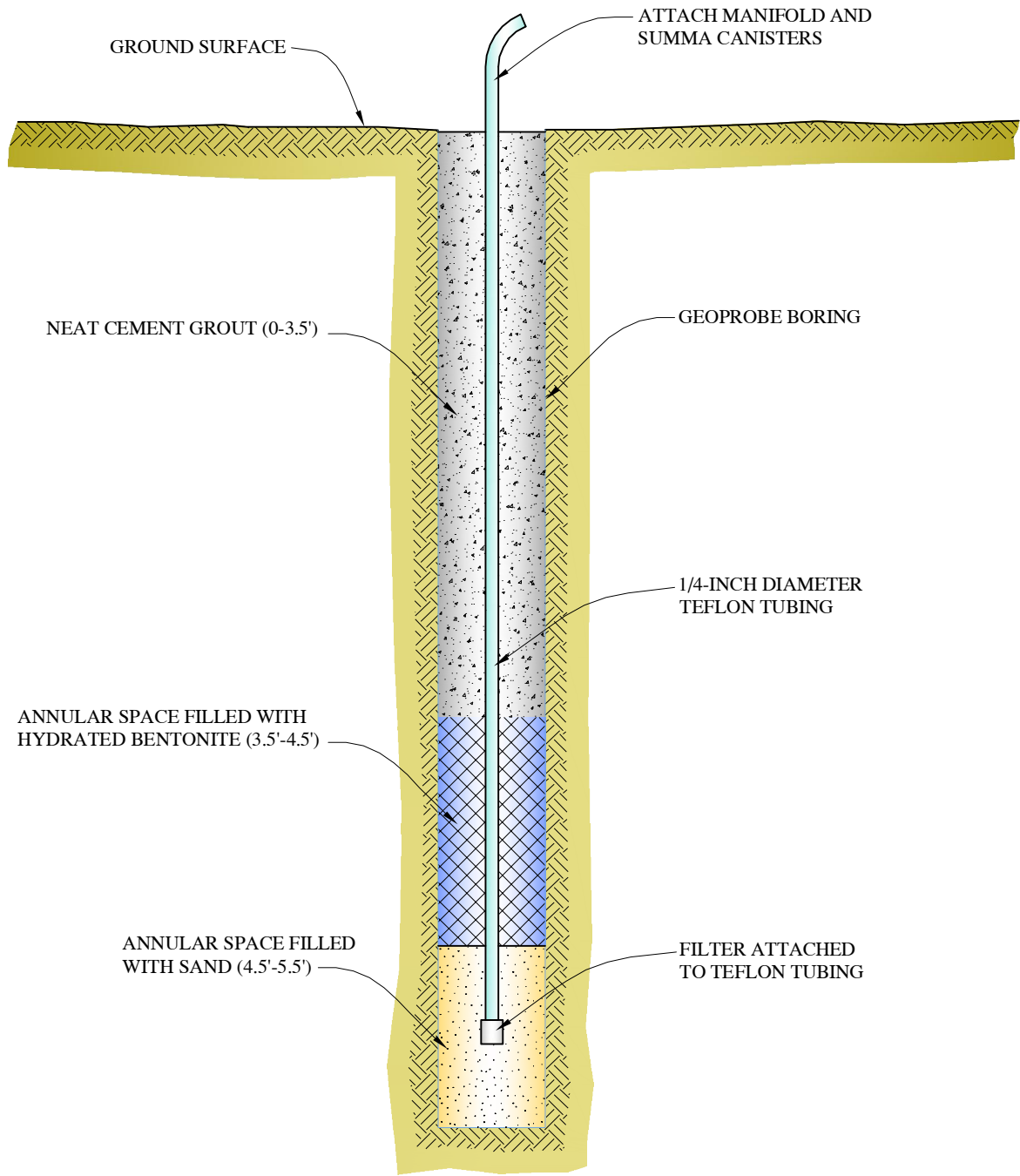
1000 NORTH VASCO ROAD  
LIVERMORE, CALIFORNIA

PROJECT NO.:	7380.000.003
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FIGURE NO  
**5**



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SOIL VAPOR WELL CONSTRUCTION DIAGRAM  
1000 NORTH VASCO ROAD  
LIVERMORE, CALIFORNIA


PROJECT NO.: 7380.000.003  
SCALE: NO SCALE  
DRAWN BY: DLB CHECKED BY: SPM

FIGURE NO.  
**6**

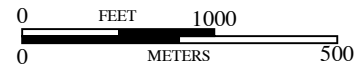
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**EXPLANATION**

2S/SE 35L2  WATER SUPPLY WELL 1151 CENTRAL AVENUE 24' FROM SOUTH AND 13' WEST OF FENCE ALONG CHANNEL SCREEN INTERVAL FROM 35-43' AND 61-81' IRRIGATION USE

 DIRECTION OF WATER FLOW FOR SITE



BASE MAP SOURCE: GOOGLE EARTH, 2003



**WATER SUPPLY WELLS WITHIN 2000 FEET OF 1000 NORTH VASCO ROAD**  
 1000 NORTH VASCO ROAD  
 LIVERMORE, CALIFORNIA

PROJECT NO.: 7380.000.003	
SCALE: AS SHOWN	
DRAWN BY: SRP	CHECKED BY: SM

FIGURE NO.  
**7**

**Tables 1 – 4**

Summary of Laboratory Analyses



TABLE 2  
SURFACE SOIL SAMPLING

SOIL SAMPLING - SURFACE SAMPLES																												
SAMPLE	LOCATION	DATE	THH-GASOLINE	THH-DIESEL	THH-MO	PCB	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES	FUEL OXYGENATES	ANTIMONY	SILVER	ARSENIC	BARUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MOLYBDENUM	NICKEL	SELENIUM	THALLIUM	VANADIUM	ZINC	MERCURY
		SAMPLED	µg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
D1	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	270	ND<1	ND<2	33	11	20	ND<5	ND<1	33	ND<5	ND<2	57	47	ND<0.1
D2	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	290	ND<1	ND<2	35	13	21	4.9	ND<1	35	ND<5	ND<2	60	50	ND<0.1
D3	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	210	ND<1	ND<2	34	11	18	ND<5	ND<1	36	ND<5	ND<2	59	44	ND<0.1
D4	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	290	ND<1	ND<2	35	12	20	ND<5	ND<1	36	ND<5	ND<2	59	46	ND<0.1
D5	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	250	ND<1	ND<2	32	11	17	ND<5	ND<1	30	ND<5	ND<2	53	43	ND<0.1
D6	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	260	ND<1	ND<2	32	12	20	ND<5	ND<1	35	ND<5	ND<2	56	48	ND<0.1
D7	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	270	ND<1	ND<2	33	12	19	5	ND<1	34	ND<5	ND<2	59	48	ND<0.1
D8	STOCKPILE	4/20/2011	ND<500	NA	NA	NA	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	210	ND<1	ND<2	31	12	21	4.1	ND<1	35	ND<5	ND<2	63	47	ND<0.1
SP1-A/B/C/D	STOCKPILE	8/7/2008	ND<1,000	ND<1	ND<5	NA	ND<5	ND<5	ND<5	ND<5	ND<50 (MTBE)	ND<0.5	ND<0.5	6.3	250	0.52	ND<0.25	35	11	63	8.4	0.64	43	ND<0.5	ND<0.5	48	72	0.083
SP2-A/B/C/D	STOCKPILE	8/7/2008	ND<1,000	ND<1	ND<5	NA	ND<5	ND<5	ND<5	ND<5	ND<50 (MTBE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SP3-A/B/C/D	STOCKPILE	8/7/2008	ND<1,000	ND<1	ND<5	NA	ND<5	ND<5	ND<5	ND<5	ND<50 (MTBE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMPOSITE	PAD MOUNTED TRANSFORMER	4/20/2011	ND<500	34	39	ND<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 3  
GROUNDWATER SAMPLING**

<b>GROUNDWATER SAMPLING</b>											
<b>SAMPLE</b>	<b>SAMPLE DATE</b>	<b>TPH-GASOLINE µg/L</b>	<b>TPH-DIESEL µg/L</b>	<b>TPH-MO mg/L</b>	<b>BENZENE µg/L</b>	<b>TOLUENE µg/L</b>	<b>ETHYLBENZENE µg/L</b>	<b>XYLENE(S) µg/L</b>	<b>MTBE µg/L</b>	<b>TRICHLOROETHYLENE µg/L</b>	<b>OTHER VOCs µg/L</b>
	<b>ESL (Table F-1A)</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>1</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>5</b>	<b>5</b>	<b>N/A</b>
GP1-GW	4/19/2011	55	890	ND<100	ND<0.5	ND<0.5	ND<0.5	2.6	ND<1	ND<1	ND
GP2-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
GP3-GW	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
GP4-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
GP6-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
GP7-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	2	ND
GP8-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
GP11-GW	4/19/2011	110	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND
MW-3	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	1.2	ND
GW-10	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	2.3	ND
MW-3	9/2/2009	ND	ND	N/A	ND	ND	ND	ND	2.2	ND	ND
MW-1	8/22/2006	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	N/A	N/A
MW-3	8/22/2006	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	N/A	N/A
DEEP (Off-Site Well)	7/13/2011	ND<50	ND<52	N/A	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND
SHALLOW (Off-Site Well)	7/13/2011	ND<50	ND<60	N/A	ND<0.5	ND<0.5	ND<0.5	ND<1	3.6	ND<0.5	ND

TABLE 4  
SOIL VAPOR SAMPLING

SOIL VAPOR SAMPLING															ESL (µg/m <sup>3</sup> )
SAMPLE DATE	SG1	SG2	SG3	SG4	SG5	SG6	SG7	SG8	SG9	SG10	SG11	SG12			
ANALYTE	UNIT														
TPH-GASOLINE	(µg/m <sup>3</sup> )	13,000	14,000	7,200	15,000	2,800	19,000	12,800	26,000	20,000	31,000	23,000	13,000	10,000	
ACETONE	(µg/m <sup>3</sup> )	350	170	330	69	120	400	ND<0.25	670	880	830	520	620	660,000	
CARBON DISULFIDE	(µg/m <sup>3</sup> )	2.8	38	3.2	ND<0.16	ND<0.16	15	120	4.2	57	3.1	1.3	190	N/A	
ISOPROPYL ALCOHOL	(µg/m <sup>3</sup> )	5	3.3	ND<0.21	1.8	1.7	2.6	ND<0.21	2.2	3.3	0.98	1	4.7	N/A	
CHLOROETHANE	(µg/m <sup>3</sup> )	ND<0.29	1.2	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	21,000	
CHLOROFORM	(µg/m <sup>3</sup> )	ND<0.38	4.4	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	10	ND<0.38	ND<0.38	ND<0.38	460	
CYCLOHEXANE	(µg/m <sup>3</sup> )	ND<0.17	74	ND<0.17	2.3	ND<0.17	62	1,100	26	320	4.2	25	25	N/A	
HEPTANE	(µg/m <sup>3</sup> )	ND<0.21	33	ND<0.21	ND<0.21	ND<0.21	ND<0.21	12	5.4	ND<0.21	5.7	ND<0.21	ND<0.21	N/A	
HEXANE	(µg/m <sup>3</sup> )	ND<1	75	ND<1	ND<1	ND<1	ND<1	42	11	4.8	1.5	ND<1	ND<1	N/A	
DICHLORODIFLUOROMETHANE	(µg/m <sup>3</sup> )	ND<0.23	5.3	2.4	3	3.1	ND<0.23	ND<0.23	2.7	5.7	2.5	2.6	ND<0.33	N/A	
CIS-1,2-DICHLOROETHENE	(µg/m <sup>3</sup> )	3.7	4.2	8.5	15	9.8	3.7	7.7	ND<0.25	ND<0.25	ND<0.25	ND<0.25	2.8	7,300	
TRANS-1,2-DICHLOROETHENE	(µg/m <sup>3</sup> )	ND<0.25	ND<0.25	ND<0.25	1.8	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	15,000	
STYRENE	(µg/m <sup>3</sup> )	ND<0.12	4.1	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	100,000	
TETRACHLOROETHENE	(µg/m <sup>3</sup> )	110	270	450	200	280	72	27	9.3	27	9.3	8.6	91	410	
1,1,1-TRICHLOROETHANE	(µg/m <sup>3</sup> )	ND<0.54	4.4	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	46,000	
TRICHLOROETHENE	(µg/m <sup>3</sup> )	5.2	8.2	13	23	14	12	17	2.2	3.8	26	ND<0.14	10	1,200	
TRICHLORODIFLUOROMETHANE	(µg/m <sup>3</sup> )	ND<0.48	120	2.2	ND<0.48	ND<0.48	4	ND<0.48	ND<0.48	4.4	2	ND<0.48	2.6	N/A	
1,3,5-TRIMETHYLBENZENE	(µg/m <sup>3</sup> )	6.4	17	3	2.7	9	18	7	4.8	2.4	2.4	2.3	2.5	N/A	
1,2,4-TRIMETHYLBENZENE	(µg/m <sup>3</sup> )	19	25	4.4	4.5	3.9	8.8	25	13	7	4	3.5	4.4	N/A	
2-BUTANONE	(µg/m <sup>3</sup> )	4.7	2.9	3.3	1.2	2.9	4.4	ND<0.62	7	10	3.8	5.7	9.6	1,000,000	
BENZENE	(µg/m <sup>3</sup> )	ND<0.14	68	3	5.7	2.9	6.2	29	5.2	ND<0.14	3.1	3.3	2.6	84	
TOLUENE	(µg/m <sup>3</sup> )	8.7	120	7	7.9	5.7	8	72	23	13	3.5	6.8	5.5	63,000	
ETHYLBENZENE	(µg/m <sup>3</sup> )	ND<0.14	70	3.5	3.4	3.2	7.5	36	9.3	7	3.8	3.4	3	980	
XYLENE(S)	(µg/m <sup>3</sup> )	19.6	270	12.7	11.8	10.3	28.2	108	30.9	22	13.6	11.4	9.6	21,000	
1,1-DFA (LEAK COMPOUND)	(µg/m <sup>3</sup> )	2,800	2,800	4,900	7,800	5,000	ND<27	ND<27	ND<27	ND<27	ND<27	ND<27	ND<27	N/A (10,000 ALLOWABLE)	
OTHER VOCs	(µg/m <sup>3</sup> )	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	

SOIL VAPOR SAMPLING															ESL (µg/m <sup>3</sup> )
SAMPLE DATE	SG1	SG2	SG3	SG4	SG5	SG6	SG7	SG8	SG9	SG10	SG11	SG12			
ANALYTE	UNIT														
TPH-GASOLINE (TO-17)	(µg/m <sup>3</sup> )	21,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	170,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	10,000	
TPH-DIESEL (TO-17)	(µg/m <sup>3</sup> )	5,400	ND<5,000	ND<5,000	ND<5,000	ND<5,000	26,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	ND<5,000	10,000	
ETHANOL	(µg/m <sup>3</sup> )	ND<9.8	ND<9.7	ND<21	ND<30	ND<30	ND<37	ND<9.3	30	ND<8.3	120	ND<18	15	N/A	
BROMOMETHANE	(µg/m <sup>3</sup> )	ND<5	6.4	ND<11	ND<16	ND<19	ND<19	ND<4.5	ND<5.2	ND<4.3	55	ND<9.2	ND<5	1,000	
FREON 11	(µg/m <sup>3</sup> )	100	ND<7.2	ND<15	ND<23	ND<27	ND<28	ND<6.9	ND<7.5	ND<6.2	ND<41	ND<13	ND<7.2	N/A	
ACETONE	(µg/m <sup>3</sup> )	22	16	30	ND<38	ND<48	ND<12	16	ND<10	ND<69	ND<22	ND<12	ND<12	60,000	
CARBON DISULFIDE	(µg/m <sup>3</sup> )	ND<16	320	1,300	1,200	140	ND<62	19	160	28	600	550	ND<16	N/A	
CHLOROFORM	(µg/m <sup>3</sup> )	ND<6.3	ND<6.3	ND<13	ND<20	ND<24	ND<24	14	ND<6.5	ND<5.4	ND<35	ND<12	ND<6.2	460	
CYCLOHEXANE	(µg/m <sup>3</sup> )	38	350	190	4200	3800	31	140	200	30	6400	2000	11	N/A	
HEPTANE	(µg/m <sup>3</sup> )	8.6	ND<5.3	ND<11	27	ND<20	ND<20	ND<5	ND<5.4	ND<4.5	ND<30	ND<9.7	ND<5.2	N/A	
HEXANE	(µg/m <sup>3</sup> )	25	ND<4.5	ND<9.7	70	78	ND<17	ND<4.3	ND<4.7	ND<3.9	ND<26	ND<8.4	ND<4.5	N/A	
TETRACHLOROETHENE	(µg/m <sup>3</sup> )	ND<8.8	ND<8.7	ND<19	ND<27	ND<33	ND<34	12	ND<9	18	ND<49	ND<16	ND<8.6	410	
TRICHLOROETHENE	(µg/m <sup>3</sup> )	ND<7	22	100	ND<22	ND<26	ND<27	130	17	ND<5.9	24	25	25	1,200	
1,3,5-TRIMETHYLBENZENE	(µg/m <sup>3</sup> )	26	ND<6.3	ND<14	ND<20	ND<24	ND<24	ND<6	ND<6.5	ND<5.4	ND<36	ND<12	ND<6.3	N/A	
1,2,4-TRIMETHYLBENZENE	(µg/m <sup>3</sup> )	27	ND<6.3	ND<14	ND<20	ND<24	ND<24	ND<6	ND<6.5	ND<5.4	ND<36	ND<12	ND<6.3	N/A	
2,2,4-TRIMETHYLPENTANE	(µg/m <sup>3</sup> )	ND<6	91	ND<13	ND<19	14000	120	ND<5.7	ND<6.2	ND<5.1	ND<34	ND<11	7.4	N/A	
MTBE	(µg/m <sup>3</sup> )	65	220	330	20	ND<18	4.8	16	ND<4	440	11	92	ND<4.1	9,400	
BENZENE	(µg/m <sup>3</sup> )	53	ND<4.1	ND<8.8	22	18	ND<16	ND<3.9	ND<4.2	ND<3.5	ND<23	ND<7.6	ND<4.1	84	
TOLUENE	(µg/m <sup>3</sup> )	45	ND<4.9	ND<10	18	ND<18	ND<19	ND<4.5	5.5	ND<4.1	ND<27	ND<4.8	ND<4.8	63,000	
ETHYLBENZENE	(µg/m <sup>3</sup> )	40	ND<5.6	ND<12	ND<18	ND<21	ND<22	ND<5.3	ND<5.8	ND<4.8	ND<31	ND<10	ND<5.5	960	
XYLENE(S)	(µg/m <sup>3</sup> )	154	ND<5.6	ND<12	40	ND<21	ND<22	ND<5.3	ND<5.8	ND<4.8	ND<31	ND<10	ND<5.5	21,000	
PROPYLBENZENE	(µg/m <sup>3</sup> )	8.8	ND<5.3	ND<14	ND<20	ND<24	ND<24	ND<6	ND<6.5	ND<5.4	ND<36	ND<12	ND<6.3	N/A	
4-ETHYLTOLUENE	(µg/m <sup>3</sup> )	26	ND<6.3	ND<14	ND<20	ND<24	ND<24	ND<6	ND<6.5	ND<5.4	ND<36	ND<12	ND<6.3	N/A	
1,1-DFA (LEAK COMPOUND)	(µg/m <sup>3</sup> )	ND<14	ND<14	ND<30	ND<44	ND<52	ND<54	ND<13	1,600	ND<12	350	ND<26	790	N/A (10,000 ALLOWABLE)	
OTHER VOCs	(µg/m <sup>3</sup> )	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	

**Appendix A**

SunStar Laboratories  
April 2011 Laboratory Report





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

29 April 2011

Morgan Johnson  
Engeo  
2213 Plaza Dr.  
Rocklin, CA 95765  
RE: 1000 N. Vasco Rd.

Enclosed are the results of analyses for samples received by the laboratory on 04/21/11 11:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez For John Shepler  
Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

**Reported:**  
 04/29/11 11:23

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP1@4'	T110485-01	Soil	04/19/11 16:15	04/21/11 11:40
GP1@8'	T110485-02	Soil	04/19/11 16:15	04/21/11 11:40
GP1@12'	T110485-03	Soil	04/19/11 16:15	04/21/11 11:40
GP2@4'	T110485-04	Soil	04/19/11 12:15	04/21/11 11:40
GP2@6'	T110485-05	Soil	04/19/11 12:15	04/21/11 11:40
GP2@12'	T110485-06	Soil	04/19/11 12:15	04/21/11 11:40
GP3@4'	T110485-07	Soil	04/20/11 12:15	04/21/11 11:40
GP3@8'	T110485-08	Soil	04/20/11 12:15	04/21/11 11:40
GP3@12'	T110485-09	Soil	04/20/11 12:15	04/21/11 11:40
GP4@12'	T110485-10	Soil	04/19/11 11:40	04/21/11 11:40
GP4@4'	T110485-11	Soil	04/19/11 11:40	04/21/11 11:40
GP4@8'	T110485-12	Soil	04/19/11 11:40	04/21/11 11:40
GP5@4'	T110485-13	Soil	04/19/11 15:00	04/21/11 11:40
GP5@8'	T110485-14	Soil	04/19/11 15:00	04/21/11 11:40
GP5@12'	T110485-15	Soil	04/19/11 15:00	04/21/11 11:40
GP6@4'	T110485-16	Soil	04/19/11 13:15	04/21/11 11:40
GP6@8'	T110485-17	Soil	04/19/11 13:15	04/21/11 11:40
GP6@12'	T110485-18	Soil	04/19/11 13:15	04/21/11 11:40
GP7@4'	T110485-19	Soil	04/20/11 16:15	04/21/11 11:40
GP7@8'	T110485-20	Soil	04/20/11 16:15	04/21/11 11:40
GP7@12'	T110485-21	Soil	04/20/11 16:15	04/21/11 11:40
GP8@4'	T110485-22	Soil	04/20/11 16:30	04/21/11 11:40
GP8@8'	T110485-23	Soil	04/20/11 16:30	04/21/11 11:40
GP8@12'	T110485-24	Soil	04/20/11 16:30	04/21/11 11:40
GP9@4'	T110485-25	Soil	04/19/11 10:15	04/21/11 11:40
GP9@8'	T110485-26	Soil	04/19/11 10:15	04/21/11 11:40

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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

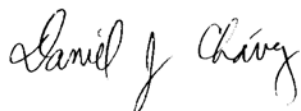
Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Morgan Johnson

**Reported:**  
04/29/11 11:23

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP9@12'	T110485-27	Soil	04/19/11 10:15	04/21/11 11:40
GP10@4'	T110485-28	Soil	04/19/11 09:15	04/21/11 11:40
GP10@8'	T110485-29	Soil	04/19/11 09:15	04/21/11 11:40
GP10@12'	T110485-30	Soil	04/19/11 09:20	04/21/11 11:40
GP10@10'	T110485-31	Soil	04/19/11 09:20	04/21/11 11:40
GP13@4'	T110485-32	Soil	04/19/11 10:45	04/21/11 11:40
GP13@8'	T110485-33	Soil	04/19/11 10:45	04/21/11 11:40
GP13@12'	T110485-34	Soil	04/19/11 10:45	04/21/11 11:40
GP9@10'	T110485-35	Soil	04/19/11 10:15	04/21/11 11:40
GP4-GW	T110485-36	Water	04/19/11 11:45	04/21/11 11:40
GP2-GW	T110485-37	Water	04/19/11 12:25	04/21/11 11:40
GP6-GW	T110485-38	Water	04/19/11 13:25	04/21/11 11:40
GP1-GW	T110485-40	Water	04/19/11 16:20	04/21/11 11:40
GP7-GW	T110485-41	Water	04/19/11 16:00	04/21/11 11:40
GP8-GW	T110485-42	Water	04/19/11 16:30	04/21/11 11:40
GP11@4'	T110485-47	Soil	04/19/11 15:15	04/21/11 11:40
GP11@8'	T110485-48	Soil	04/19/11 15:15	04/21/11 11:40
GP11@12'	T110485-49	Soil	04/19/11 15:15	04/21/11 11:40
GP11@10'	T110485-50	Soil	04/19/11 15:15	04/21/11 11:40
GP12@4'	T110485-51	Soil	04/19/11 15:40	04/21/11 11:40
GP12@8'	T110485-52	Soil	04/19/11 15:40	04/21/11 11:40
GP12@12'	T110485-53	Soil	04/19/11 15:40	04/21/11 11:40
GW-10	T110485-54	Water	04/20/11 15:00	04/21/11 11:40
GP3-GW	T110485-55	Water	04/20/11 14:15	04/21/11 11:40
D1	T110485-56	Soil	04/20/11 10:00	04/21/11 11:40
D2	T110485-57	Soil	04/20/11 10:04	04/21/11 11:40

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	<b>Reported:</b> 04/29/11 11:23
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D3	T110485-58	Soil	04/20/11 10:18	04/21/11 11:40
D4	T110485-59	Soil	04/20/11 10:15	04/21/11 11:40
D5	T110485-60	Soil	04/20/11 10:11	04/21/11 11:40
D6	T110485-61	Soil	04/20/11 10:08	04/21/11 11:40
D7	T110485-62	Soil	04/20/11 10:25	04/21/11 11:40
D8	T110485-63	Soil	04/20/11 10:06	04/21/11 11:40
GP14@4'	T110485-64	Soil	04/19/11 16:50	04/21/11 11:40
GP14@6'	T110485-65	Soil	04/19/11 16:50	04/21/11 11:40
GP14@12'	T110485-66	Soil	04/19/11 16:50	04/21/11 11:40
MW-3	T110485-67	Water	04/20/11 11:30	04/21/11 11:40
GP11-GW	T110485-68	Water	04/19/11 00:00	04/21/11 11:40
COMPOSITE	T110485-69	Soil	04/20/11 00:00	04/21/11 11:40

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP1@4'**  
**T110485-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>8600</b>	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.3 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		101 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Morgan Johnson

**Reported:**  
04/29/11 11:23

**GP1@4'**  
**T110485-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	<b>Reported:</b> 04/29/11 11:23
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**GP1@4'**  
**T110485-01 (Soil)**

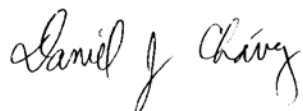
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Toluene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		105 %	90-135		"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP1@8'**  
**T110485-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>8300</b>	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
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<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	72.6-146		"	"	"	"	
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**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

<i>Surrogate: p-Terphenyl</i>		134 %	65-135		"	"	"	"	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP1@8'**  
**T110485-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP1@8'**  
**T110485-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GPI@12'**  
**T110485-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>7800</b>	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
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<i>Surrogate: 4-Bromofluorobenzene</i>		90.4 %	72.6-146		"	"	"	"	
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**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	

<i>Surrogate: p-Terphenyl</i>		126 %	65-135		"	"	"	"	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GPI@12'**  
**T110485-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GPI@12'**  
**T110485-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.8 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	90-135		"	"	"	"	

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**GP2@4'**  
**T110485-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		91.2 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	81	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	880	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		138 %	65-135		"	"	"	"	S-04

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP2@4'**  
**T110485-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP2@4'**  
**T110485-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.1 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		92.1 %	90-135		"	"	"	"	

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**GP2@6'**  
**T110485-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.5 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		134 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP2@6'**  
**T110485-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP2@6'**  
**T110485-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.4 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
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**GP2@12'**  
**T110485-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.6 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		71.2 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP2@12'**  
**T110485-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP2@12'**  
**T110485-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	90-135		"	"	"	"	

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**GP3@4'**  
**T110485-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.0 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		129 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP3@4'**  
**T110485-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP3@4'**  
**T110485-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.2 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	90-135		"	"	"	"	

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**GP3@8'**  
**T110485-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.4 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		126 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP3@8'**  
**T110485-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP3@8'**  
**T110485-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.6 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		107 %	90-135		"	"	"	"	

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**GP3@12'**  
**T110485-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.2 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		116 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP3@12'**  
**T110485-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP3@12'**  
**T110485-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/21/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.2 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	90-135		"	"	"	"	

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**GP4@12'**  
**T110485-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		69.5 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP4@12'**  
**T110485-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP4@12'**  
**T110485-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %	90-135		"	"	"	"	

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**GP4@4'**  
**T110485-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		112 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	110	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	1000	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		160 %	65-135		"	"	"	"	S-04

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP4@4'**  
**T110485-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP4@4'**  
**T110485-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
<b>m,p-Xylene</b>	<b>11</b>	5.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>6.2</b>	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.4 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP4@8'**  
**T110485-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>70.9 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP4@8'**  
**T110485-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP4@8'**  
**T110485-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.5 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	90-135		"	"	"	"	

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**GP5@4'**  
**T110485-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>114 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>76.1 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

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**GP5@4'**  
**T110485-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
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**GP5@4'**  
**T110485-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.2 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		116 %	90-135		"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

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**GP5@8'**  
**T110485-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>117 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>135 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP5@8'**  
**T110485-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP5@8'**  
**T110485-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		114 %	90-135		"	"	"	"	

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**GP5@12'**  
**T110485-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>76.6 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP5@12'**  
**T110485-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP5@12'**  
**T110485-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.9 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	90-135		"	"	"	"	

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**GP6@4'**  
**T110485-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>114 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>135 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP6@4'**  
**T110485-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP6@4'**  
**T110485-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	90-135		"	"	"	"	

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**GP6@8'**  
**T110485-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>76.2 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP6@8'**  
**T110485-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP6@8'**  
**T110485-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.0 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	90-135		"	"	"	"	

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**GP6@12'**  
**T110485-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>116 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>125 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP6@12'**  
**T110485-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP6@12'**  
**T110485-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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**GP7@4'**  
**T110485-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>117 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>123 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP7@4'**  
**T110485-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP7@4'**  
**T110485-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.8 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		113 %	90-135		"	"	"	"	

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**GP7@8'**  
**T110485-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042126	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>119 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042125	04/21/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>123 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP7@8'**  
**T110485-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP7@8'**  
**T110485-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042121	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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**GP7@12'**  
**T110485-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>107 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>114 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP7@12'**  
**T110485-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP7@12'**  
**T110485-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
 949.297.5027 Fax

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**GP8@4'**  
**T110485-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>118 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>125 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP8@4'**  
**T110485-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP8@4'**  
**T110485-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>		<i>85.5-116</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>97.5 %</i>		<i>75.1-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>116 %</i>		<i>90-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP8@8'**  
**T110485-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>115 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>74.2 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP8@8'**  
**T110485-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP8@8'**  
**T110485-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		122 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.9 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		122 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
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**GP8@12'**  
**T110485-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		75.2 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		114 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP8@12'**  
**T110485-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

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**GP8@12'**  
**T110485-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>		<i>85.5-116</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>94.1 %</i>		<i>75.1-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>119 %</i>		<i>90-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>

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 Lake Forest, California 92630  
 949.297.5020 Phone  
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**GP9@4'**  
**T110485-25 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>116 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>69.9 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP9@4'**  
**T110485-25 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP9@4'**  
**T110485-25 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.0 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		121 %	90-135		"	"	"	"	

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**GP9@8'**  
**T110485-26 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>114 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	11	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>73.1 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP9@8'**  
**T110485-26 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP9@8'**  
**T110485-26 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.1 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		118 %	90-135		"	"	"	"	

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**GP9@12'**  
**T110485-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>114 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>121 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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Engeo  
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 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP9@12'**  
**T110485-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP9@12'**  
**T110485-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.9 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		113 %	90-135		"	"	"	"	

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**GP10@4'**  
**T110485-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>114 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>119 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

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**GP10@4'**  
**T110485-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP10@4'**  
**T110485-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.8 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		120 %	90-135		"	"	"	"	

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**GP10@8'**  
**T110485-29 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		117 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	13	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	29	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		132 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP10@8'**  
**T110485-29 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP10@8'**  
**T110485-29 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>110 %</i>							
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96.6 %</i>							
<i>Surrogate: Dibromofluoromethane</i>		<i>131 %</i>							

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

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**GP10@12'**  
**T110485-30 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>115 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>68.7 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
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**GP10@12'**  
**T110485-30 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP10@12'**  
**T110485-30 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.5 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.4 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		116 %	90-135		"	"	"	"	

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**GP10@10'**  
**T110485-31 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>11000</b>	1000	ug/kg	2	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

<b>C13-C28 (DRO)</b>	<b>860</b>	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
<b>C29-C40 (MORO)</b>	<b>79</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		70.2 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
<b>n-Butylbenzene</b>	<b>35</b>	5.0	"	"	"	"	"	"	
<b>sec-Butylbenzene</b>	<b>37</b>	5.0	"	"	"	"	"	"	
<b>tert-Butylbenzene</b>	<b>6.8</b>	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP10@10'**  
**T110485-31 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>40</b>	5.0	"	"	"	"	"	"	
<b>n-Propylbenzene</b>	<b>9.6</b>	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
<b>1,1,2,2-Tetrachloroethane</b>	<b>15</b>	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
<b>1,2,3-Trichlorobenzene</b>	<b>28</b>	5.0	"	"	"	"	"	"	
<b>1,2,4-Trichlorobenzene</b>	<b>7.4</b>	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP10@10'**  
**T110485-31 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		166 %	75.1-121		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		148 %	90-135		"	"	"	"	S-GC

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**GP13@4'**  
**T110485-32 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>115 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>134 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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 949.297.5020 Phone  
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**GP13@4'**  
**T110485-32 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP13@4'**  
**T110485-32 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	90-135		"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP13@8'**  
**T110485-33 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		116 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		108 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP13@8'**  
**T110485-33 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP13@8'**  
**T110485-33 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	90-135		"	"	"	"	

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Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP13@12'**  
**T110485-34 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		115 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		127 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP13@12'**  
**T110485-34 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP13@12'**  
**T110485-34 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.9 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		119 %	90-135		"	"	"	"	

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**GP9@10'**  
**T110485-35 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>3200</b>	1000	ug/kg	2	1042224	04/22/11	04/27/11	EPA 8015C	
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<i>Surrogate: 4-Bromofluorobenzene</i>		90.6 %	72.6-146		"	"	"	"	
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**Extractable Petroleum Hydrocarbons by 8015C**

<b>C13-C28 (DRO)</b>	<b>270</b>	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
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<b>C29-C40 (MORO)</b>	<b>40</b>	10	"	"	"	"	"	"	
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<i>Surrogate: p-Terphenyl</i>		119 %	65-135		"	"	"	"	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
<b>n-Butylbenzene</b>	<b>10</b>	5.0	"	"	"	"	"	"	
<b>sec-Butylbenzene</b>	<b>15</b>	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP9@10'**  
**T110485-35 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
<b>n-Propylbenzene</b>	<b>5.2</b>	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP9@10'**  
**T110485-35 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		138 %	75.1-121		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		121 %	90-135		"	"	"	"	

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**GP4-GW  
T110485-36 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>105 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>111 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP4-GW  
 T110485-36 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP4-GW  
 T110485-36 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.1 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.4 %	81.1-136		"	"	"	"	

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**GP2-GW  
T110485-37 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>103 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP2-GW  
 T110485-37 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP2-GW  
 T110485-37 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97.6 %	81.1-136		"	"	"	"	

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**GP6-GW**  
**T110485-38 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>105 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>122 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP6-GW**  
**T110485-38 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP6-GW  
 T110485-38 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		95.6 %	84.7-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	83.5-119		"	"	"	"	
Surrogate: Dibromofluoromethane		98.5 %	81.1-136		"	"	"	"	

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**GP1-GW  
T110485-40 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>55</b>	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
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<i>Surrogate: 4-Bromofluorobenzene</i>		92.4 %	72.6-146		"	"	"	"	
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**Extractable Petroleum Hydrocarbons by 8015C**

<b>C13-C28 (DRO)</b>	<b>0.89</b>	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
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C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
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<i>Surrogate: p-Terphenyl</i>		99.2 %	65-135		"	"	"	"	
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**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP1-GW  
T110485-40 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP1-GW  
T110485-40 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>2.6</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	81.1-136		"	"	"	"	

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**GP7-GW  
T110485-41 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>105 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>129 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP7-GW**  
**T110485-41 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>2.0</b>	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP7-GW  
 T110485-41 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	81.1-136		"	"	"	"	

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**GP8-GW  
T110485-42 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>95.0 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>112 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP8-GW  
 T110485-42 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP8-GW  
 T110485-42 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.2 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.0 %	81.1-136		"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP11@4'**  
**T110485-47 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>510</b>	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
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Surrogate: 4-Bromofluorobenzene 115 % 72.6-146 " " " "

**Extractable Petroleum Hydrocarbons by 8015C**

<b>C13-C28 (DRO)</b>	<b>70</b>	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
<b>C29-C40 (MORO)</b>	<b>27</b>	10	"	"	"	"	"	"	"

Surrogate: p-Terphenyl 69.3 % 65-135 " " " "

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	"
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	"
Bromoform	ND	5.0	"	"	"	"	"	"	"
Bromomethane	ND	5.0	"	"	"	"	"	"	"
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	"
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	"
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	"
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	"
Chlorobenzene	ND	5.0	"	"	"	"	"	"	"
Chloroethane	ND	5.0	"	"	"	"	"	"	"
Chloroform	ND	5.0	"	"	"	"	"	"	"
Chloromethane	ND	5.0	"	"	"	"	"	"	"
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	"
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	"
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	"
Dibromomethane	ND	5.0	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	"

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**GP11@4'**  
**T110485-47 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP11@4'**  
**T110485-47 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042217	04/22/11	04/26/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		120 %	90-135		"	"	"	"	

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Daniel Chavez For John Shepler, Laboratory Director



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Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
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**GP11@8'**  
**T110485-48 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042224	04/22/11	04/27/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		116 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	10	mg/kg	1	1042212	04/22/11	04/28/11	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		116 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP11@8'**  
**T110485-48 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP11@8'**  
**T110485-48 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.0 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %	90-135		"	"	"	"	

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Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
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**GP11@12'**  
**T110485-49 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		101 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	28	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	20	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		77.5 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP11@12'**  
**T110485-49 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP11@12'**  
**T110485-49 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		99.6 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		118 %	90-135		"	"	"	"	

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**GP11@10'**  
**T110485-50 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	25	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	22	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		131 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP11@10'**  
**T110485-50 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP11@10'**  
**T110485-50 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.8 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	90-135		"	"	"	"	

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**GP12@4'**  
**T110485-51 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		104 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	20	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	18	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		134 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP12@4'**  
**T110485-51 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP12@4'**  
**T110485-51 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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**GP12@8'**  
**T110485-52 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	16	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	18	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		129 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP12@8'**  
**T110485-52 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP12@8'**  
**T110485-52 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %	90-135		"	"	"	"	

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**GP12@12'**  
**T110485-53 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.2 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	15	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	17	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		130 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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Engeo  
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 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP12@12'**  
**T110485-53 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP12@12'**  
**T110485-53 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.1 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.9 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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Daniel Chavez For John Shepler, Laboratory Director



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**GW-10  
T110485-54 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>109 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>112 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GW-10**  
**T110485-54 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GW-10**  
**T110485-54 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.9 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.8 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	81.1-136		"	"	"	"	

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**GP3-GW  
 T110485-55 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>103 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>113 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP3-GW**  
**T110485-55 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP3-GW  
 T110485-55 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	84.7-109		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	83.5-119		"	"	"	"	
Surrogate: Dibromofluoromethane		98.9 %	81.1-136		"	"	"	"	

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**D1**  
**T110485-56 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		99.2 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>270</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>33</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>20</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>33</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>57</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>47</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D1**  
**T110485-56 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.9 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	90-135		"	"	"	"	

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**D2**  
**T110485-57 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		102 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>290</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>13</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>21</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>4.9</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>35</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>60</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>50</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D2**  
**T110485-57 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	90-135		"	"	"	"	

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**D3**  
**T110485-58 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		106 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>210</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>34</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>18</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>36</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>50</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>44</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D3**  
**T110485-58 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>	<i>85.5-116</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>103 %</i>	<i>75.1-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>108 %</i>	<i>90-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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**D4**  
**T110485-59 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		107 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>250</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>20</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>36</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>59</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>49</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D4**  
**T110485-59 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.9 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	90-135		"	"	"	"	

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**D5**  
**T110485-60 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		104 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>250</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>32</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>17</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>30</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>53</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>43</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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 949.297.5027 Fax

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**D5**  
**T110485-60 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	90-135		"	"	"	"	

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 949.297.5020 Phone  
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**D6**  
**T110485-61 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		102 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>260</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>32</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>20</b>	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>35</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>56</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>48</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D6**  
**T110485-61 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>		<i>85.5-116</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>108 %</i>		<i>75.1-121</i>					
<i>Surrogate: Dibromofluoromethane</i>		<i>115 %</i>		<i>90-135</i>					

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**D7**  
**T110485-62 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		107 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>270</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	04/26/11	"	
Cadmium	ND	2.0	"	"	"	"	04/26/11	"	
<b>Chromium</b>	<b>33</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>6.0</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>34</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>59</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>48</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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**D7**  
**T110485-62 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		113 %	90-135		"	"	"	"	

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**D8**  
**T110485-63 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		103 %	72.6-146		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	1042202	04/22/11	04/26/11	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>370</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	04/26/11	"	
Cadmium	ND	2.0	"	"	"	"	04/26/11	"	
<b>Chromium</b>	<b>31</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>21</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>4.1</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>36</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>63</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>47</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	1050601	04/26/11	04/26/11	EPA 7471A Soil	
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**Volatile Organic Compounds by EPA Method 8260B**

Benzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	

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 949.297.5020 Phone  
 949.297.5027 Fax

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**D8**  
**T110485-63 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethyl tert-butyl ether	ND	20	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.6 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		111 %	90-135		"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
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**GP14@4'**  
**T110485-64 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		106 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	26	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	20	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		124 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP14@4'**  
**T110485-64 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP14@4'**  
**T110485-64 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.4 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		115 %	90-135		"	"	"	"	

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**GP14@6'**  
**T110485-65 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	16	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	20	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		112 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP14@6'**  
**T110485-65 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP14@6'**  
**T110485-65 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	85.5-116		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.1-121		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		83.8 %	90-135		"	"	"	"	

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Engeo  
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 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**GP14@12'**  
**T110485-66 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		97.3 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	18	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	19	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		128 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	

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**GP14@12'**  
**T110485-66 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	

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**GP14@12'**  
**T110485-66 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	5.0	ug/kg	1	1042220	04/22/11	04/23/11	EPA 8260B	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: Toluene-d8		98.8 %	85.5-116		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.1-121		"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	90-135		"	"	"	"	

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**MW-3  
T110485-67 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>104 %</i>	<i>72.6-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**MW-3**  
**T110485-67 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1.2</b>	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	<b>Reported:</b> 04/29/11 11:23
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**MW-3  
T110485-67 (Water)**

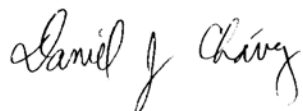
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %		84.7-109	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		81.1-136	"	"	"	"	

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**GP11-GW  
 T110485-68 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>110</b>	50	ug/l	1	1042130	04/21/11	04/26/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		113 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1042129	04/21/11	04/27/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		132 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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**GP11-GW  
 T110485-68 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,2-Dichloroethane	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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**GP11-GW  
 T110485-68 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Ethylbenzene	ND	0.50	ug/l	1	1042128	04/21/11	04/22/11	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.6 %	84.7-109		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	81.1-136		"	"	"	"	

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**COMPOSITE**  
**T110485-69 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	500	ug/kg	1	1042225	04/22/11	04/23/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.2 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	34	10	mg/kg	1	1042214	04/22/11	04/29/11	EPA 8015C	
C29-C40 (MORO)	39	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		116 %	65-135		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	10	ug/kg	1	1042504	04/25/11	04/28/11	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		112 %	35-140		"	"	"	"	

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Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042126 - EPA 5030 GC**

<b>Blank (1042126-BLK1)</b>		Prepared: 04/21/11 Analyzed: 04/26/11								
C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	443		"	500		88.6	72.6-146			
<b>LCS (1042126-BS1)</b>		Prepared: 04/21/11 Analyzed: 04/26/11								
C6-C12 (GRO)	13700	500	ug/kg	13800		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	444		"	500		88.9	72.6-146			
<b>Matrix Spike (1042126-MS1)</b>		<b>Source: T110485-20</b>		Prepared: 04/21/11 Analyzed: 04/26/11						
C6-C12 (GRO)	13500	500	ug/kg	13800	58.4	97.9	65-135			
Surrogate: 4-Bromofluorobenzene	441		"	500		88.3	72.6-146			
<b>Matrix Spike Dup (1042126-MSD1)</b>		<b>Source: T110485-20</b>		Prepared: 04/21/11 Analyzed: 04/26/11						
C6-C12 (GRO)	12100	500	ug/kg	13800	58.4	87.3	65-135	11.4	20	
Surrogate: 4-Bromofluorobenzene	449		"	500		89.9	72.6-146			

**Batch 1042130 - EPA 5030 GC**

<b>Blank (1042130-BLK1)</b>		Prepared: 04/21/11 Analyzed: 04/26/11								
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	95.3		"	100		95.3	72.6-146			
<b>LCS (1042130-BS1)</b>		Prepared: 04/21/11 Analyzed: 04/26/11								
C6-C12 (GRO)	5440	50	ug/l	5500		99.0	75-125			
Surrogate: 4-Bromofluorobenzene	88.0		"	100		88.0	72.6-146			
<b>LCS Dup (1042130-BSD1)</b>		Prepared: 04/21/11 Analyzed: 04/26/11								
C6-C12 (GRO)	5710	50	ug/l	5500		104	75-125	4.71	20	
Surrogate: 4-Bromofluorobenzene	107		"	100		107	72.6-146			

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Morgan Johnson

**Reported:**  
04/29/11 11:23

**Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control  
SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042224 - EPA 5030 GC**

**Blank (1042224-BLK1)**

Prepared: 04/22/11 Analyzed: 04/27/11

C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	543		"	500		109	72.6-146			

**LCS (1042224-BS1)**

Prepared: 04/22/11 Analyzed: 04/27/11

C6-C12 (GRO)	14300	500	ug/kg	13800		104	75-125			
Surrogate: 4-Bromofluorobenzene	571		"	500		114	72.6-146			

**LCS Dup (1042224-BSD1)**

Prepared: 04/22/11 Analyzed: 04/27/11

C6-C12 (GRO)	14300	500	ug/kg	13800		104	75-125	0.242	20	
Surrogate: 4-Bromofluorobenzene	567		"	500		113	72.6-146			

**Batch 1042225 - EPA 5030 GC**

**Blank (1042225-BLK1)**

Prepared: 04/22/11 Analyzed: 04/23/11

C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	236		"	250		94.4	72.6-146			

**LCS (1042225-BS1)**

Prepared: 04/22/11 Analyzed: 04/23/11

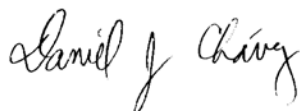
C6-C12 (GRO)	12600	500	ug/kg	13800		91.5	75-125			
Surrogate: 4-Bromofluorobenzene	240		"	250		96.0	72.6-146			

**LCS Dup (1042225-BSD1)**

Prepared: 04/22/11 Analyzed: 04/23/11

C6-C12 (GRO)	12200	500	ug/kg	13800		88.8	75-125	3.06	20	
Surrogate: 4-Bromofluorobenzene	228		"	250		91.3	72.6-146			

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 949.297.5020 Phone  
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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042125 - EPA 3550B GC**

<b>Blank (1042125-BLK1)</b>		Prepared: 04/21/11 Analyzed: 04/27/11								
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	125		"	100		125	65-135			
<b>LCS (1042125-BS1)</b>		Prepared: 04/21/11 Analyzed: 04/27/11								
C13-C28 (DRO)	490	10	mg/kg	500		97.3	75-125			
Surrogate: <i>p</i> -Terphenyl	121		"	100		121	65-135			
<b>Matrix Spike (1042125-MS1)</b>		<b>Source: T110485-20</b>		Prepared: 04/21/11 Analyzed: 04/28/11						
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.7	75-125			
Surrogate: <i>p</i> -Terphenyl	119		"	100		119	65-135			
<b>Matrix Spike Dup (1042125-MSD1)</b>		<b>Source: T110485-20</b>		Prepared: 04/21/11 Analyzed: 04/28/11						
C13-C28 (DRO)	470	10	mg/kg	500	ND	94.1	75-125	3.83	20	
Surrogate: <i>p</i> -Terphenyl	117		"	100		117	65-135			

**Batch 1042129 - EPA 3510C GC**

<b>Blank (1042129-BLK1)</b>		Prepared: 04/21/11 Analyzed: 04/28/11								
C13-C28 (DRO)	ND	0.050	mg/l							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: <i>p</i> -Terphenyl	4.68		"	4.00		117	65-135			
<b>LCS (1042129-BS1)</b>		Prepared: 04/21/11 Analyzed: 04/27/11								
C13-C28 (DRO)	16.9	0.050	mg/l	20.0		84.5	75-125			
Surrogate: <i>p</i> -Terphenyl	4.24		"	4.00		106	65-135			

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042129 - EPA 3510C GC**

<b>LCS Dup (1042129-BSD1)</b>				Prepared: 04/21/11	Analyzed: 04/27/11					
C13-C28 (DRO)	23.1	0.050	mg/l	20.0	115	75-125	30.8	20	QR-02	
Surrogate: <i>p</i> -Terphenyl	4.50		"	4.00	112	65-135				

**Batch 1042212 - EPA 3550B GC**

<b>Blank (1042212-BLK1)</b>				Prepared: 04/22/11	Analyzed: 04/28/11					
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	135		"	100	135	65-135				

<b>LCS (1042212-BS1)</b>				Prepared: 04/22/11	Analyzed: 04/28/11					
C13-C28 (DRO)	500	10	mg/kg	500	99.1	75-125				
Surrogate: <i>p</i> -Terphenyl	122		"	100	122	65-135				

<b>LCS Dup (1042212-BSD1)</b>				Prepared: 04/22/11	Analyzed: 04/28/11					
C13-C28 (DRO)	490	10	mg/kg	500	98.5	75-125	0.580	20		
Surrogate: <i>p</i> -Terphenyl	125		"	100	125	65-135				

**Batch 1042214 - EPA 3550B GC**

<b>Blank (1042214-BLK1)</b>				Prepared: 04/22/11	Analyzed: 04/28/11					
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	101		"	100	101	65-135				

<b>LCS (1042214-BS1)</b>				Prepared: 04/22/11	Analyzed: 04/29/11					
C13-C28 (DRO)	510	10	mg/kg	500	102	75-125				
Surrogate: <i>p</i> -Terphenyl	107		"	100	107	65-135				

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 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Morgan Johnson	Reported: 04/29/11 11:23
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**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042214 - EPA 3550B GC**

**LCS Dup (1042214-BSD1)**

Prepared: 04/22/11 Analyzed: 04/29/11

C13-C28 (DRO)	500	10	mg/kg	500		99.8	75-125	2.52	20	
Surrogate: p-Terphenyl	110		"	100		110	65-135			

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 949.297.5020 Phone  
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**Metals by EPA 6010B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042202 - EPA 3051**

<b>Blank (1042202-BLK1)</b>				Prepared: 04/22/11 Analyzed: 04/26/11						
Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

<b>LCS (1042202-BS1)</b>				Prepared: 04/22/11 Analyzed: 04/26/11						
Arsenic	102	5.0	mg/kg	100	102	75-125				
Barium	101	1.0	"	100	101	75-125				
Cadmium	101	2.0	"	100	101	75-125				
Chromium	100	2.0	"	100	100	75-125				
Lead	103	3.0	"	100	103	75-125				

<b>LCS Dup (1042202-BSD1)</b>				Prepared: 04/22/11 Analyzed: 04/26/11						
Arsenic	108	5.0	mg/kg	100	108	75-125	5.60	20		
Barium	108	1.0	"	100	108	75-125	6.19	20		
Cadmium	107	2.0	"	100	107	75-125	6.03	20		
Chromium	106	2.0	"	100	106	75-125	6.09	20		
Lead	108	3.0	"	100	108	75-125	3.98	20		

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**Cold Vapor Extraction EPA 7470/7471 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1050601 - EPA 7471A Soil**

<b>Blank (1050601-BLK1)</b>				Prepared & Analyzed: 04/26/11						
Mercury	ND	0.10	mg/kg							
<b>LCS (1050601-BS1)</b>				Prepared & Analyzed: 04/26/11						
Mercury	0.404	0.10	mg/kg	0.417		97.0	80-120			
<b>LCS Dup (1050601-BSD1)</b>				Prepared & Analyzed: 04/26/11						
Mercury	0.380	0.10	mg/kg	0.417		91.1	80-120	6.22	20	

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**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042504 - EPA 3550 ECD/GCMS**

<b>Blank (1042504-BLK1)</b>				Prepared: 04/25/11 Analyzed: 04/28/11						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							

Surrogate: Tetrachloro-meta-xylene 7.90 " 10.0 79.0 35-140

<b>LCS (1042504-BS1)</b>				Prepared: 04/25/11 Analyzed: 04/28/11						
PCB-1016	105	10	ug/kg	100		105	40-130			
PCB-1260	70.0	10	"	100		70.0	40-130			

Surrogate: Tetrachloro-meta-xylene 9.07 " 10.0 90.7 35-140

<b>LCS Dup (1042504-BSD1)</b>				Prepared: 04/25/11 Analyzed: 04/28/11						
PCB-1016	48.8	10	ug/kg	100		48.8	40-130	73.1	30	QR-02
PCB-1260	46.1	10	"	100		46.1	40-130	41.2	30	QR-02

Surrogate: Tetrachloro-meta-xylene 4.23 " 10.0 42.3 35-140

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Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042121 - EPA 5030 GCMS**

**Blank (1042121-BLK1)**

Prepared & Analyzed: 04/21/11

Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042121 - EPA 5030 GCMS**

**Blank (1042121-BLK1)**

Prepared & Analyzed: 04/21/11

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Surrogate: Toluene-d8	38.0		"	40.0		95.0	85.5-116			
Surrogate: 4-Bromofluorobenzene	41.9		"	40.0		105	75.1-121			
Surrogate: Dibromofluoromethane	41.8		"	40.0		104	90-135			

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 949.297.5020 Phone  
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Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042121 - EPA 5030 GCMS**

**LCS (1042121-BS1)**

Prepared & Analyzed: 04/21/11

Chlorobenzene	102	5.0	ug/kg	100		102	75-125			
1,1-Dichloroethene	86.4	5.0	"	100		86.4	75-125			
Trichloroethene	93.3	5.0	"	100		93.3	75-125			
Benzene	95.9	5.0	"	100		95.9	75-125			
Toluene	96.6	5.0	"	100		96.6	75-125			
Surrogate: Toluene-d8	38.8		"	40.0		97.0	85.5-116			
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		96.5	75.1-121			
Surrogate: Dibromofluoromethane	38.1		"	40.0		95.2	90-135			

**Matrix Spike (1042121-MS1)**

Source: T110485-04

Prepared & Analyzed: 04/21/11

Chlorobenzene	98.8	5.0	ug/kg	100	ND	98.8	75-125			
1,1-Dichloroethene	94.0	5.0	"	100	ND	94.0	75-125			
Trichloroethene	105	5.0	"	100	ND	105	75-125			
Benzene	96.8	5.0	"	100	ND	96.8	75-125			
Toluene	95.1	5.0	"	100	ND	95.1	75-125			
Surrogate: Toluene-d8	38.6		"	40.0		96.5	85.5-116			
Surrogate: 4-Bromofluorobenzene	39.2		"	40.0		98.0	75.1-121			
Surrogate: Dibromofluoromethane	39.2		"	40.0		98.1	90-135			

**Matrix Spike Dup (1042121-MSD1)**

Source: T110485-04

Prepared & Analyzed: 04/21/11

Chlorobenzene	103	5.0	ug/kg	100	ND	103	75-125	3.97	20	
1,1-Dichloroethene	92.8	5.0	"	100	ND	92.8	75-125	1.39	20	
Trichloroethene	93.4	5.0	"	100	ND	93.4	75-125	12.1	20	
Benzene	97.4	5.0	"	100	ND	97.4	75-125	0.618	20	
Toluene	94.3	5.0	"	100	ND	94.3	75-125	0.845	20	
Surrogate: Toluene-d8	39.1		"	40.0		97.8	85.5-116			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	75.1-121			
Surrogate: Dibromofluoromethane	38.8		"	40.0		97.0	90-135			

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 949.297.5020 Phone  
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 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042128 - EPA 5030 GCMS**

**Blank (1042128-BLK1)**

Prepared: 04/21/11 Analyzed: 04/22/11

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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 949.297.5020 Phone  
 949.297.5027 Fax

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 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042128 - EPA 5030 GCMS**

**Blank (1042128-BLK1)**

Prepared: 04/21/11 Analyzed: 04/22/11

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: Toluene-d8	7.81		"	8.00		97.6	84.7-109			
Surrogate: 4-Bromofluorobenzene	8.25		"	8.00		103	83.5-119			
Surrogate: Dibromofluoromethane	7.96		"	8.00		99.5	81.1-136			

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 949.297.5020 Phone  
 949.297.5027 Fax

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 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042128 - EPA 5030 GCMS**

**LCS (1042128-BS1)**

Prepared: 04/21/11 Analyzed: 04/22/11

Chlorobenzene	21.8	1.0	ug/l	20.0		109	75-125			
1,1-Dichloroethene	18.3	1.0	"	20.0		91.7	75-125			
Trichloroethene	20.1	1.0	"	20.0		100	75-125			
Benzene	19.8	0.50	"	20.0		98.8	75-125			
Toluene	19.7	0.50	"	20.0		98.4	75-125			
<i>Surrogate: Toluene-d8</i>	7.69		"	8.00		96.1	84.7-109			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.54		"	8.00		94.2	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	5.75		"	8.00		71.9	81.1-136			S-GC

**LCS Dup (1042128-BSD1)**

Prepared: 04/21/11 Analyzed: 04/22/11

Chlorobenzene	18.8	1.0	ug/l	20.0		93.8	75-125	15.0	20	
1,1-Dichloroethene	15.5	1.0	"	20.0		77.4	75-125	16.8	20	
Trichloroethene	18.2	1.0	"	20.0		90.9	75-125	10.0	20	
Benzene	18.5	0.50	"	20.0		92.6	75-125	6.37	20	
Toluene	18.1	0.50	"	20.0		90.6	75-125	8.30	20	
<i>Surrogate: Toluene-d8</i>	7.78		"	8.00		97.2	84.7-109			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.87		"	8.00		98.4	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	7.69		"	8.00		96.1	81.1-136			

**Batch 1042217 - EPA 5030 GCMS**

**Blank (1042217-BLK1)**

Prepared: 04/22/11 Analyzed: 04/26/11

Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							

SunStar Laboratories, Inc.

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Daniel Chavez For John Shepler, Laboratory Director





25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042217 - EPA 5030 GCMS**

**Blank (1042217-BLK1)**

Prepared: 04/22/11 Analyzed: 04/26/11

4-Chlorotoluene	ND	5.0	ug/kg
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"
p-Isopropyltoluene	ND	5.0	"
Methylene chloride	ND	5.0	"
Naphthalene	ND	5.0	"
n-Propylbenzene	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,1,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
Trichloroethene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"

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 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042217 - EPA 5030 GCMS**

**Blank (1042217-BLK1)**

Prepared: 04/22/11 Analyzed: 04/26/11

1,2,3-Trichloropropane	ND	5.0	ug/kg							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Surrogate: Toluene-d8	39.8		"	40.0		99.4	85.5-116			
Surrogate: 4-Bromofluorobenzene	37.8		"	40.0		94.4	75.1-121			
Surrogate: Dibromofluoromethane	46.2		"	40.0		116	90-135			

**LCS (1042217-BS1)**

Prepared: 04/22/11 Analyzed: 04/26/11

Chlorobenzene	96.2	5.0	ug/kg	100		96.2	75-125			
1,1-Dichloroethene	99.4	5.0	"	100		99.4	75-125			
Trichloroethene	101	5.0	"	100		101	75-125			
Benzene	90.0	5.0	"	100		90.0	75-125			
Toluene	89.7	5.0	"	100		89.7	75-125			
Surrogate: Toluene-d8	38.4		"	40.0		96.0	85.5-116			
Surrogate: 4-Bromofluorobenzene	38.2		"	40.0		95.6	75.1-121			
Surrogate: Dibromofluoromethane	48.6		"	40.0		122	90-135			

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042217 - EPA 5030 GCMS**

**LCS Dup (1042217-BSD1)**

Prepared: 04/22/11 Analyzed: 04/27/11

Chlorobenzene	92.3	5.0	ug/kg	100		92.3	75-125	4.09	20	
1,1-Dichloroethene	108	5.0	"	100		108	75-125	8.30	20	
Trichloroethene	95.6	5.0	"	100		95.6	75-125	5.64	20	
Benzene	96.5	5.0	"	100		96.5	75-125	7.03	20	
Toluene	97.6	5.0	"	100		97.6	75-125	8.44	20	
Surrogate: Toluene-d8	41.4		"	40.0		104	85.5-116			
Surrogate: 4-Bromofluorobenzene	38.2		"	40.0		95.6	75.1-121			
Surrogate: Dibromofluoromethane	47.3		"	40.0		118	90-135			

**Batch 1042220 - EPA 5030 GCMS**

**Blank (1042220-BLK1)**

Prepared: 04/22/11 Analyzed: 04/23/11

Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042220 - EPA 5030 GCMS**

**Blank (1042220-BLK1)**

Prepared: 04/22/11 Analyzed: 04/23/11

1,2-Dichloroethane	ND	5.0	ug/kg							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							

SunStar Laboratories, Inc.

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Morgan Johnson

Reported:  
 04/29/11 11:23

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1042220 - EPA 5030 GCMS**

**Blank (1042220-BLK1)**

Prepared: 04/22/11 Analyzed: 04/23/11

Tert-butyl alcohol	ND	50	ug/kg							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Surrogate: Toluene-d8	39.7		"	40.0		99.2	85.5-116			
Surrogate: 4-Bromofluorobenzene	41.6		"	40.0		104	75.1-121			
Surrogate: Dibromofluoromethane	42.2		"	40.0		105	90-135			

**LCS (1042220-BS1)**

Prepared: 04/22/11 Analyzed: 04/23/11

Chlorobenzene	84.0	5.0	ug/kg	100		84.0	75-125			
1,1-Dichloroethene	84.4	5.0	"	100		84.4	75-125			
Trichloroethene	89.2	5.0	"	100		89.2	75-125			
Benzene	90.0	5.0	"	100		90.0	75-125			
Toluene	83.2	5.0	"	100		83.2	75-125			
Surrogate: Toluene-d8	39.2		"	40.0		97.9	85.5-116			
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	75.1-121			
Surrogate: Dibromofluoromethane	43.6		"	40.0		109	90-135			

**LCS Dup (1042220-BSD1)**

Prepared: 04/22/11 Analyzed: 04/23/11

Chlorobenzene	77.6	5.0	ug/kg	100		77.6	75-125	7.98	20	
1,1-Dichloroethene	80.0	5.0	"	100		80.0	75-125	5.35	20	
Trichloroethene	83.5	5.0	"	100		83.5	75-125	6.66	20	
Benzene	87.4	5.0	"	100		87.4	75-125	2.99	20	
Toluene	76.7	5.0	"	100		76.7	75-125	8.13	20	
Surrogate: Toluene-d8	39.8		"	40.0		99.5	85.5-116			
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	75.1-121			
Surrogate: Dibromofluoromethane	43.4		"	40.0		108	90-135			

SunStar Laboratories, Inc.

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Daniel Chavez For John Shepler, Laboratory Director

Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765


Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Morgan Johnson

**Reported:**  
04/29/11 11:23

### Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.



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Daniel Chavez For John Shepler, Laboratory Director

# Chain of Custody Record

SunStar Laboratories, Inc.  
 25712 Commercecentre Dr  
 Lake Forest, CA 92630  
 949-297-5020

Client: ENGE0  
 Address: 580 N. Wilma Ave Ste A  
 Phone: 209 321 2665 Fax: \_\_\_\_\_  
 Project Manager: Morgan Johnson

Date: 4-19-2011 Page: 1 of 5  
 Project Name: 1000 N. Vasco Rd.  
 Collector: Richard Gandolfi Client Project #: 7380,000,003  
 Batch #: 7110485 EDF #: \_\_\_\_\_

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
SP1 @ 8'	4-19-11	16:15	Sol	CC										01		1
SP1 @ 8'	4-19-11	16:15	Sol	CC										02	Full PPH-g	1
SP1 @ 12'	4-19-11	16:15	Sol	CC										03	BTEX-MDE	1
SP2 @ 4'	4-19-11	12:15	Sol	CC										04		1
SP2 @ 12'	4-19-11	12:15	Sol	CC										05		1
SP3 @ 4'	4-20-11		Sol	CC										06		1
SP3 @ 8'	4-20-11		Sol	CC										07	D/MO (w/strata)	1
SP3 @ 12'	4-20-11		Sol	CC										08	gel cleanup	1
SP4 @ 4'	4-19-11	11:40	Sol	CC										09		1
SP4 @ 8'	4-19-11	11:40	Sol	CC										10		1
SP4 @ 12'	4-19-11	11:40	Sol	CC										11		1
SP5 @ 4'	4-19-11	15:00	Sol	CC										12	VOCI 82600	1
SP5 @ 8'	4-19-11	15:00	Sol	CC										13	Fuel Oxy	1
SP5 @ 12'	4-19-11	15:00	Sol	CC										14		1
Relinquished by: (signature)	Date / Time	4/20/11	Received by: (signature)	Date / Time	4-20-11	Chain of Custody seals Y/N/NA Seals intact? Y/N/NA										
Relinquished by: (signature)	Date / Time	4/20/11	Received by: (signature)	Date / Time	4-20-11	Received good condition/cold										
Relinquished by: (signature)	Date / Time	4/21/11	Received by: (signature)	Date / Time	4/21/11	Turn around time: _____										

**STD. TAT**

4/21/11 ABC

COC 90683

Sample disposal Instructions: Disposal @ \$2.00 each Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

SunStar Laboratories, Inc.  
 25712 Commercecentre Dr.  
 Lake Forest, CA 92630  
 949-297-5020

**Chain of Custody Record**

Client: ENGELO

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Manager: Morgan Johnson

Fax: \_\_\_\_\_

Date: 4-20-11

Page: 2 of 5

Project Name: 1000 Vasco Rd.

Collector: R. Sandale

Client Project #: 7380.000.003

Batch #: 7110485

EDF #: \_\_\_\_\_

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
GP 6 0 4'	4-19-11	13:15	CC	50.1										16	✓	1
GP 6 0 8'	4-19-11	13:15	CC	50.1										17	Full roll	1
GP 6 0 12'	4-19-11	13:15	CC	50.1										18	Full roll	1
GP 7 0 8'	4-20-11	16:15	CC	50.1										19	Full roll	1
GP 7 0 12'	4-20-11	16:15	CC	50.1										20	Full roll	1
GP 8 0 4'	4-20-11	16:15	CC	50.1										21	D/Mo/W	1
GP 8 0 8'	4-20-11	16:30	CC	50.1										22	Silver Gel	1
GP 8 0 12'	4-20-11	16:30	CC	50.1										23	(Cleanup)	1
GP 9 0 4'	4-19-11	10:15	CC	50.1										24		1
GP 9 0 8'	4-19-11	10:15	CC	50.1										25		1
GP 9 0 12'	4-19-11	10:15	CC	50.1										26		1
GP 10 0 4'	4-19-11	9:15	CC	50.1										27		1
GP 10 0 8'	4-19-11	9:15	CC	50.1										28		1
GP 10 0 12'	4-19-11	9:20	CC	50.1										29		1
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Total # of containers												
<u>[Signature]</u>	4-20-11	<u>[Signature]</u>	4-20-11	30												
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Chain of Custody seals Y/N/N/A												
<u>[Signature]</u>	4-20-11	<u>[Signature]</u>	4-20-11	Y												
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Seals intact? Y/N/N/A												
<u>[Signature]</u>	4/21/11	<u>[Signature]</u>	4/21/11	Y												
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Received good condition/cold												
<u>[Signature]</u>	4/21/11	<u>[Signature]</u>	4/21/11	Y												
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Turn around time:												
<u>[Signature]</u>	4/21/11	<u>[Signature]</u>	4/21/11	5:2												

**STD. TAT**

80

COC 90681



# Chain of Custody Record

SunStar Laboratories, Inc.  
 25712 Commercentre Dr  
 Lake Forest, CA 92630  
 949-297-5020

Client: **ENGECO**

Address:

Phone:

Project Manager: **Morgan Jensen**

Fax:

Date: **4-20-11**

Page: **3** of **5**

Project Name: **1000 Rose Rd**

Collector: **R. Sandillo** Client Project #: **7780.000.003**

Batch #: **710485**

EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
SP10 @ 10'	4-19-11	9:20	2x6 Soil	SOIL										31	Full TAT-9	1
SP10 @ 20'			Water	WATER											W/ BTEX, METALS	1
SP13 @ 8'		10:45	Soil	CC										32		1
SP13 @ 12'		10:47	Soil	CC										33		1
SP13 @ 12'		10:49	Soil	CC										34		1
SP13 @ 12'		10:15	Water	WATER										35	D/MO w/ silica gel	1
SP13 @ 10'		10:15	Water	WATER										36	(BTEX) Cleanup	1
SP13 @ 10'		10:15	Water	WATER										37		1
SP13 @ 10'		12:25	Water	WATER										38		1
SP13 @ 10'		12:25	Water	WATER										39		1
SP13 @ 10'		13:14	Water	WATER										40		1
SP13 @ 10'		13:14	Water	WATER										41		1
SP13 @ 10'		16:20	Water	WATER										42		1
SP13 @ 10'		16:30	Water	WATER										43		1
SP13 @ 10'		16:30	Water	WATER										44		1
SP13 @ 10'		16:30	Water	WATER										45		1
SP13 @ 10'		16:30	Water	WATER										46		1
SP13 @ 10'		16:30	Water	WATER										47		1
SP13 @ 10'		16:30	Water	WATER										48		1
SP13 @ 10'		16:30	Water	WATER										49		1
SP13 @ 10'		16:30	Water	WATER										50		1
SP13 @ 10'		16:30	Water	WATER										51		1
SP13 @ 10'		16:30	Water	WATER										52		1
SP13 @ 10'		16:30	Water	WATER										53		1
SP13 @ 10'		16:30	Water	WATER										54		1
SP13 @ 10'		16:30	Water	WATER										55		1
SP13 @ 10'		16:30	Water	WATER										56		1
SP13 @ 10'		16:30	Water	WATER										57		1
SP13 @ 10'		16:30	Water	WATER										58		1
SP13 @ 10'		16:30	Water	WATER										59		1
SP13 @ 10'		16:30	Water	WATER										60		1
SP13 @ 10'		16:30	Water	WATER										61		1
SP13 @ 10'		16:30	Water	WATER										62		1
SP13 @ 10'		16:30	Water	WATER										63		1
SP13 @ 10'		16:30	Water	WATER										64		1
SP13 @ 10'		16:30	Water	WATER										65		1
SP13 @ 10'		16:30	Water	WATER										66		1
SP13 @ 10'		16:30	Water	WATER										67		1
SP13 @ 10'		16:30	Water	WATER										68		1
SP13 @ 10'		16:30	Water	WATER										69		1
SP13 @ 10'		16:30	Water	WATER										70		1
SP13 @ 10'		16:30	Water	WATER										71		1
SP13 @ 10'		16:30	Water	WATER										72		1
SP13 @ 10'		16:30	Water	WATER										73		1
SP13 @ 10'		16:30	Water	WATER										74		1
SP13 @ 10'		16:30	Water	WATER										75		1
SP13 @ 10'		16:30	Water	WATER										76		1
SP13 @ 10'		16:30	Water	WATER										77		1
SP13 @ 10'		16:30	Water	WATER										78		1
SP13 @ 10'		16:30	Water	WATER										79		1
SP13 @ 10'		16:30	Water	WATER										80		1
SP13 @ 10'		16:30	Water	WATER										81		1
SP13 @ 10'		16:30	Water	WATER										82		1
SP13 @ 10'		16:30	Water	WATER										83		1
SP13 @ 10'		16:30	Water	WATER										84		1
SP13 @ 10'		16:30	Water	WATER										85		1
SP13 @ 10'		16:30	Water	WATER										86		1
SP13 @ 10'		16:30	Water	WATER										87		1
SP13 @ 10'		16:30	Water	WATER										88		1
SP13 @ 10'		16:30	Water	WATER										89		1
SP13 @ 10'		16:30	Water	WATER										90		1
SP13 @ 10'		16:30	Water	WATER										91		1
SP13 @ 10'		16:30	Water	WATER										92		1
SP13 @ 10'		16:30	Water	WATER										93		1
SP13 @ 10'		16:30	Water	WATER										94		1
SP13 @ 10'		16:30	Water	WATER										95		1
SP13 @ 10'		16:30	Water	WATER										96		1
SP13 @ 10'		16:30	Water	WATER										97		1
SP13 @ 10'		16:30	Water	WATER										98		1
SP13 @ 10'		16:30	Water	WATER										99		1
SP13 @ 10'		16:30	Water	WATER										100		1

**STD. TAT**

4/21/11

COC 90691

Sample disposal instructions: Disposal @ \$2.00 each

Return to client

Pickup

Turn around time:

Notes

4/21/11

BC

# Chain of Custody Record

SunStar Laboratories, Inc.  
 25712 Commerce Centre Dr  
 Lake Forest, CA 92630  
 949-297-5020

Client: ENGER Date: 4-20-11 Page: 4 of 5

Address: \_\_\_\_\_ Project Name: R. San die  
 Phone: \_\_\_\_\_ Batch # 710485 Collector: R1000 Vols. R1  
 Project Manager: Margou Johnson Fax: \_\_\_\_\_ Client Project #: 7380.000.005

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Other	Laboratory ID #	Comments/Preservative	Total # of containers
CS 1 A	4-19-11	14:30	Soil	2x6											40	Full TPA-g	1
CS 1 B			Soil												45	BTEX, MTBE	1
CS 1 C			Soil												46		1
CS 1 D			Soil												47		1
GP 110 8		15:15	Soil	CC											48	(D/MU w/ silica gel clean up)	1
GP 110 12		15:15	Soil	CC											49		1
GP 110 10		15:15	Soil	8x6											50		1
GP 120 8		15:40	Soil	CC											51		1
GP 120 8		15:40	Soil	CC											52		1
GP 120 12		15:40	Soil	CC											53		1
GP 120 10		15:40	Soil	CC											54		1
GP 3-10	4-20-11	14:15	Water	YDA											55		1
GP 3-10	4-20-11	14:15	Water	YDA											55		1
Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____																	
Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____																	
Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____																	

**STD. TAT**

Notes: Composite CS (A-D)

COC 90686

BC

# Chain of Custody Record

SunStar Laboratories, Inc.  
 25712 Commerce Centre Dr  
 Lake Forest, CA 92630  
 949-297-5020

Client: **ENGECO**

Address:

Phone:

Fax:

Project Manager: **Morgan Johnson**

Date: **4-20-11**

Page: **5** of **5**

Project Name: **1000 Vane Rd**

Collector: **R. Gaudolf**

Client Project #: **7380.000.003**

Batch #: **7710485**

EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
D1	4-20-11	10:00	Soil	2 x 6										56		1	
D2		10:04												57	TPH-9	1	
D3		10:08												58	TPH-9, BTEX	1	
D4		10:15												59	Fuel OXY	1	
D5		10:11												60		1	
D6		10:09												61		1	
D7		10:25												62		1	
D8		10:06												63	D/Mo w/ filter	1	
SP14 04	4-19-11	16:50	Soil	CC										64		1	
SP14 06	4-19-11	16:10	Soil	CC										65	gel cleanup	1	
SP14 02	4-19-11	16:50	Soil	CC										66		1	
MW-3	4-20-11	11:30	water	VDA										67		1	
SP11-GW	4-19-11		water	VDA										68	VOC (82008)	1	
Relinquished by: (signature)		Date / Time	Received by: (signature)	Date / Time	Total # of containers		Chain of Custody seals Y/N/NA		Seals intact? Y/N/NA		Received good condition/cold		Laboratory ID #		Comments/Preservative		Total # of containers
Relinquished by: (signature)		4/20/11	Received by: (signature)	4/20/11	935		Y		Y		Y		S.2		Notes		
Relinquished by: (signature)		Date / Time	Received by: (signature)	Date / Time	Turn around time:		STD. TAT		9/21/11		8C						

## SAMPLE RECEIVING REVIEW SHEET

BATCH # T110485

Client Name: ENGEO

Project: 1000 N. URSCO 1LD

Received by: BRIAN

Date/Time Received: 4/21/11 10:20

Delivered by :  Client  SunStar Courier  GSO  FedEx  Other \_\_\_\_\_

Total number of coolers received 1 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 5.4 °C +/- the CF (- 0.2°C) = 5.2 °C corrected temperature

cooler #2 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

cooler #3 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.  Yes  No\*  N/A

Custody Seals Intact on Cooler/Sample  Yes  No\*  N/A

Sample Containers Intact  Yes  No\*

Sample labels match COC ID's  Yes  No\*

Total number of containers received match COC  Yes  No\*

Proper containers received for analyses requested on COC  Yes  No\*

Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times.  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date BC 4/21/11

Comments:

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**Appendix B**

SunStar Laboratories  
May 2011 Laboratory Report



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

26 May 2011

Jeff Adams  
Engeo  
2213 Plaza Dr.  
Rocklin, CA 95765  
RE: 1000 N. Vasco Rd.

Enclosed are the results of analyses for samples received by the laboratory on 05/14/11 10:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez For John Shepler  
Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	<b>Reported:</b> 05/26/11 13:20
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG1	T110627-01	Air	05/13/11 10:05	05/14/11 10:50
SG2	T110627-02	Air	05/13/11 12:52	05/14/11 10:50
SG3	T110627-03	Air	05/13/11 12:38	05/14/11 10:50
SG4	T110627-04	Air	05/13/11 09:15	05/14/11 10:50
SG5	T110627-05	Air	05/13/11 09:32	05/14/11 10:50
SG6	T110627-06	Air	05/13/11 13:52	05/14/11 10:50
SG7	T110627-07	Air	05/13/11 10:55	05/14/11 10:50
SG8	T110627-08	Air	05/13/11 11:18	05/14/11 10:50
SG9	T110627-09	Air	05/13/11 11:51	05/14/11 10:50
SG10	T110627-10	Air	05/13/11 11:02	05/14/11 10:50
SG11	T110627-11	Air	05/13/11 13:03	05/14/11 10:50
SG12	T110627-12	Air	05/13/11 13:47	05/14/11 10:50

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG1**  
**T110627-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Acetone</b>	<b>380</b>	0.25	12	ug/m <sup>3</sup> Air	3.38	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>2.8</b>	0.16	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>5.0</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
Cyclohexane	ND	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.33	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>3.7</b>	0.25	4.0	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG1**  
**T110627-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	3.38	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>110</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>5.2</b>	0.14	5.5	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>6.4</b>	0.13	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>19</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>4.7</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>8.7</b>	0.15	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>13</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>6.6</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>13000</b>	1800	7200	"	1.69	"	"	"	"	
<b>1,1-Difluoroethane (Freon 152)</b>	<b>2600</b>		27	"	3.38	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>101 %</i>	<i>40-160</i>						

SunStar Laboratories, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG2**  
**T110627-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>170</b>	0.25	12	ug/m <sup>3</sup> Air	1.72	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>38</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>3.3</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
<b>Chloroethane</b>	<b>1.2</b>	0.29	2.7	"	"	"	"	"	"	J
<b>Chloroform</b>	<b>4.4</b>	0.38	5.0	"	"	"	"	"	"	J
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>74</b>	0.17	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>33</b>	0.21	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>75</b>	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>5.3</b>	0.33	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>4.2</b>	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	
<b>Styrene</b>	<b>4.1</b>	0.12	4.3	"	"	"	"	"	"	J

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG2**  
**T110627-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.11	7.0	ug/m <sup>3</sup> Air	1.72	1051610	05/16/11	05/19/11	TO-15	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>150</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
<b>1,1,1-Trichloroethane</b>	<b>4.4</b>	0.54	5.6	"	"	"	"	"	"	J
<b>Trichloroethene</b>	<b>8.2</b>	0.14	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>120</b>	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>17</b>	0.13	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>25</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>2.9</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>68</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>120</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>70</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>170</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>110</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>14000</b>	1800	7200	"	"	"	"	"	"	
<b>1,1-Difluoroethane (Freon 152)</b>	<b>2800</b>		27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			103 %	40-160		"	"	"	"	



Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG3**  
**T110627-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>330</b>	0.25	12	ug/m <sup>3</sup> Air	1.8	1051610	05/16/11	05/19/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>3.2</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.21	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>1.9</b>	0.17	3.5	"	"	"	"	"	"	J
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.4</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>8.5</b>	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG3**  
**T110627-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	1.8	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>270</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>13</b>	0.14	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.2</b>	0.48	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>3.0</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>4.4</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>3.3</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.0</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>7.0</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.5</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>8.7</b>	0.49	8.8	"	"	"	"	"	"	J
<b>o-Xylene</b>	<b>4.0</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>7200</b>	1800	7200	"	"	"	"	"	"	
<b>1,1-Difluoroethane (Freon 152)</b>	<b>4900</b>		27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			96.5 %	40-160		"	"	"	"	

SunStar Laboratories, Inc.

*Samuel J. Chang*

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG4**  
**T110627-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>69</b>	0.25	12	ug/m <sup>3</sup> Air	1.75	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
Carbon disulfide	ND	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.8</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>2.3</b>	0.17	3.5	"	"	"	"	"	"	J
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>3.0</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>15</b>	0.25	4.0	"	"	"	"	"	"	
<b>trans-1,2-Dichloroethene</b>	<b>1.8</b>	0.25	4.0	"	"	"	"	"	"	J
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG4**  
**T110627-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	1.75	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>450</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>23</b>	0.14	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>2.2</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>4.5</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>1.2</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>5.7</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>7.9</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.4</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>8.2</b>	0.49	8.8	"	"	"	"	"	"	J
<b>o-Xylene</b>	<b>3.6</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>15000</b>	1800	7200	"	"	"	"	"	"	
<b>1,1-Difluoroethane (Freon 152)</b>	<b>7800</b>		27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.0 %	40-160		"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG5  
T110627-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>120</b>	0.25	12	ug/m <sup>3</sup> Air	1.82	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
Carbon disulfide	ND	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.7</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
Cyclohexane	ND	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>3.1</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>9.8</b>	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG5**  
**T110627-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	1.82	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>300</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>14</b>	0.14	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>2.7</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>3.9</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>2.9</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.9</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>5.7</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.2</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>7.2</b>	0.49	8.8	"	"	"	"	"	"	J
<b>o-Xylene</b>	<b>3.1</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>2800</b>	1800	7200	"	"	"	"	"	"	J
<b>1,1-Difluoroethane (Freon 152)</b>	<b>5000</b>		27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.1 %	40-160		"	"	"	"	

SunStar Laboratories, Inc.

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG6**  
**T110627-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>400</b>	0.25	12	ug/m <sup>3</sup> Air	3.52	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>15</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>2.6</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>62</b>	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>8.8</b>	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.33	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>7.7</b>	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG6**  
**T110627-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	3.52	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>280</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>12</b>	0.14	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>4.0</b>	0.48	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>9.0</b>	0.13	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>8.8</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>4.4</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>6.2</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>8.0</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.5</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>18</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>8.2</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>19000</b>	1800	7200	"	1.76	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	3.52	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>130 %</i>	<i>40-160</i>						

SunStar Laboratories, Inc.

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG7**  
**T110627-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Acetone	ND	0.25	12	ug/m <sup>3</sup> Air	12.6	1051610	05/16/11	05/19/11	TO-15	
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	"
<b>Carbon disulfide</b>	<b>120</b>	0.16	3.2	"	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	"
Isopropyl alcohol	ND	0.21	13	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	"
Bromoform	ND	0.18	11	"	"	"	"	"	"	"
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	"
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	"
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	"
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	"
Chloromethane	ND	0.17	11	"	"	"	"	"	"	"
<b>Cyclohexane</b>	<b>1100</b>	0.17	3.5	"	"	"	"	"	"	"
<b>Heptane</b>	<b>12</b>	0.21	4.2	"	"	"	"	"	"	"
<b>Hexane</b>	<b>42</b>	1.0	3.6	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.33	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	"
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	"

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25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG7**  
**T110627-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	12.6	1051610	05/16/11	05/19/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>72</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>17</b>	0.14	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>18</b>	0.13	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>25</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.62	15	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>29</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>72</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>36</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>69</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>39</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>12000</b>	1800	7200	"	1.7	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	12.6	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.9 %	40-160		"	"	"	"	

SunStar Laboratories, Inc.

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG8**  
**T110627-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>570</b>	0.25	12	ug/m <sup>3</sup> Air	1.76	1051610	05/16/11	05/19/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>4.2</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>2.2</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>26</b>	0.17	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>5.4</b>	0.21	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>11</b>	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.7</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	
Styrene	ND	0.12	4.3	"	"	"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG8**  
**T110627-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.11	7.0	ug/m <sup>3</sup> Air	1.76	1051610	05/16/11	05/19/11	TO-15	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>45</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>2.2</b>	0.14	5.5	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>7.0</b>	0.13	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>13</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>7.0</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>5.2</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>23</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>9.3</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>23</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>7.9</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>26000</b>	1800	7200	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			92.5 %	40-160	"	"	"	"	"	

SunStar Laboratories, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG9**  
**T110627-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>880</b>	0.25	12	ug/m <sup>3</sup> Air	3.52	1051610	05/16/11	05/20/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>57</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>3.3</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>10</b>	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>320</b>	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>4.8</b>	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>5.7</b>	0.33	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	
Styrene	ND	0.12	4.3	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG9**  
**T110627-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.11	7.0	ug/m <sup>3</sup> Air	3.52	1051610	05/16/11	05/20/11	TO-15	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>27</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>3.8</b>	0.14	5.5	"	"	"	"	"	"	J
<b>Trichlorofluoromethane</b>	<b>4.4</b>	0.48	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>4.8</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>7.0</b>	0.23	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>10</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>13</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.0</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>15</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>7.0</b>	0.19	4.4	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>20000</b>	1800	7200	"	1.76	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	3.52	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 91.5 % 40-160 " " " "

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG10**  
**T110627-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>630</b>	0.25	12	ug/m <sup>3</sup> Air	1.57	1051610	05/16/11	05/20/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>3.1</b>	0.16	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>0.98</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>4.2</b>	0.17	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>5.7</b>	0.21	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>1.5</b>	1.0	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.5</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	
Styrene	ND	0.12	4.3	"	"	"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG10**  
**T110627-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.11	7.0	ug/m <sup>3</sup> Air	1.57	1051610	05/16/11	05/20/11	TO-15	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>9.3</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>26</b>	0.14	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.0</b>	0.48	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>2.4</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>4.0</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>3.8</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.1</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>35</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.8</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>9.6</b>	0.49	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.0</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>31000</b>	1800	7200	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			96.6 %	40-160		"	"	"	"	

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG11**  
**T110627-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>520</b>	0.25	12	ug/m <sup>3</sup> Air	1.8	1051610	05/16/11	05/20/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>1.3</b>	0.16	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.0</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>5.2</b>	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.6</b>	0.33	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG11**  
**T110627-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	1.8	1051610	05/16/11	05/20/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>8.6</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.14	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.48	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>2.3</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>3.5</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>5.7</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.3</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>6.8</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.4</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>8.0</b>	0.49	8.8	"	"	"	"	"	"	J
<b>o-Xylene</b>	<b>3.4</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>23000</b>	1800	7200	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>91.5 %</i>	<i>40-160</i>						

SunStar Laboratories, Inc.

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

**SG12**  
**T110627-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>620</b>	0.25	12	ug/m <sup>3</sup> Air	1.68	1051610	05/16/11	05/20/11	TO-15	E
1,3-Butadiene	ND	0.17	4.5	"	"	"	"	"	"	
<b>Carbon disulfide</b>	<b>190</b>	0.16	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>4.7</b>	0.21	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.26	6.8	"	"	"	"	"	"	
Bromoform	ND	0.18	11	"	"	"	"	"	"	
Bromomethane	ND	0.37	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.56	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.12	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.29	2.7	"	"	"	"	"	"	
Chloroform	ND	0.38	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.17	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>25</b>	0.17	3.5	"	"	"	"	"	"	
Heptane	ND	0.21	4.2	"	"	"	"	"	"	
Hexane	ND	1.0	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.23	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.21	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.19	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.24	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.33	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.32	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	<b>2.8</b>	0.25	4.0	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.22	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.15	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.10	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.19	3.5	"	"	"	"	"	"	

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25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**SG12**  
**T110627-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.12	4.3	ug/m <sup>3</sup> Air	1.68	1051610	05/16/11	05/20/11	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.26	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>91</b>	0.20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.21	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.54	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>10</b>	0.14	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.6</b>	0.48	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>2.5</b>	0.13	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>4.4</b>	0.23	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.44	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.14	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>9.6</b>	0.62	15	"	"	"	"	"	"	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.6</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>5.5</b>	0.15	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.0</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>6.6</b>	0.49	8.8	"	"	"	"	"	"	J
<b>o-Xylene</b>	<b>3.0</b>	0.19	4.4	"	"	"	"	"	"	J
<b>C6-C12 (GRO)</b>	<b>13000</b>	1800	7200	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND		27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.1 %	40-160		"	"	"	"	

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Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
--	---	-----------------------------

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1051610 - General Prep VOC-MS**

**Blank (1051610-BLK1)**

Prepared: 05/16/11 Analyzed: 05/19/11

<i>Surrogate: 4-Bromofluorobenzene</i>	43.3			ug/m <sup>3</sup> Air	45.3		95.7	40-160			
Acetone	ND	0.25	12	"							
1,3-Butadiene	ND	0.17	4.5	"							
Carbon disulfide	ND	0.16	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"							
Isopropyl alcohol	ND	0.21	13	"							
Bromodichloromethane	ND	0.26	6.8	"							
Bromoform	ND	0.18	11	"							
Bromomethane	ND	0.37	4.0	"							
Carbon tetrachloride	ND	0.56	6.4	"							
Chlorobenzene	ND	0.12	4.7	"							
Chloroethane	ND	0.29	2.7	"							
Chloroform	ND	0.38	5.0	"							
Chloromethane	ND	0.17	11	"							
Cyclohexane	ND	0.17	3.5	"							
Heptane	ND	0.21	4.2	"							
Hexane	ND	1.0	3.6	"							
Dibromochloromethane	ND	0.23	8.7	"							
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"							
1,2-Dichlorobenzene	ND	0.21	6.1	"							
1,3-Dichlorobenzene	ND	0.19	6.1	"							
1,4-Dichlorobenzene	ND	0.24	6.1	"							
Dichlorodifluoromethane	ND	0.33	5.0	"							
1,1-Dichloroethane	ND	0.25	4.1	"							
1,2-Dichloroethane	ND	0.32	4.1	"							
1,1-Dichloroethene	ND	0.25	4.0	"							

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Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Jeff Adams

Reported:  
 05/26/11 13:20

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1051610 - General Prep VOC-MS**

**Blank (1051610-BLK1)**

Prepared: 05/16/11 Analyzed: 05/19/11

cis-1,2-Dichloroethene	ND	0.25	4.0	ug/m <sup>3</sup> Air							
trans-1,2-Dichloroethene	ND	0.25	4.0	"							
1,2-Dichloropropane	ND	0.22	4.7	"							
cis-1,3-Dichloropropene	ND	0.15	4.6	"							
trans-1,3-Dichloropropene	ND	0.21	4.6	"							
4-Ethyltoluene	ND	0.10	5.0	"							
Methylene chloride	ND	0.19	3.5	"							
Styrene	ND	0.12	4.3	"							
1,1,2,2-Tetrachloroethane	ND	0.11	7.0	"							
Tetrahydrofuran	ND	0.26	3.0	"							
Tetrachloroethene	ND	0.20	6.9	"							
1,1,2-Trichloroethane	ND	0.21	5.6	"							
1,1,1-Trichloroethane	ND	0.54	5.6	"							
Trichloroethene	ND	0.14	5.5	"							
Trichlorofluoromethane	ND	0.48	5.7	"							
1,3,5-Trimethylbenzene	ND	0.13	5.0	"							
1,2,4-Trimethylbenzene	ND	0.23	5.0	"							
Vinyl acetate	ND	0.44	3.6	"							
Vinyl chloride	ND	0.10	2.6	"							
1,4-Dioxane	ND	0.14	18	"							
2-Butanone (MEK)	ND	0.62	15	"							
4-Methyl-2-pentanone (MIBK)	ND	0.14	42	"							
Benzene	ND	0.14	3.3	"							
Toluene	ND	0.15	3.8	"							
Ethylbenzene	ND	0.14	4.4	"							
m,p-Xylene	ND	0.49	8.8	"							
o-Xylene	ND	0.19	4.4	"							

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 949.297.5020 Phone  
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Engeo  
 2213 Plaza Dr.  
 Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
 Project Number: 7380.000.003  
 Project Manager: Jeff Adams

**Reported:**  
 05/26/11 13:20

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1051610 - General Prep VOC-MS**

**Blank (1051610-BLK1)**

Prepared: 05/16/11 Analyzed: 05/19/11

C6-C12 (GRO)	ND	1800	7200 ug/m <sup>3</sup> Air								
1,1-Difluoroethane (Freon 152)	ND		27 "								

**Duplicate (1051610-DUP1)**

**Source: T110627-01**

Prepared: 05/16/11 Analyzed: 05/19/11

<i>Surrogate: 4-Bromofluorobenzene</i>	43.9			ug/m <sup>3</sup> Air	45.3		97.0	40-160			
Acetone	390	0.25	12	"		376		3.47	30		
1,3-Butadiene	1.82	0.17	4.5	"		ND			30		J
Carbon disulfide	2.99	0.16	3.2	"		2.78		7.41	30		J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.50	7.7	"		ND			30		
Isopropyl alcohol	4.90	0.21	13	"		4.99		1.71	30		J
Bromodichloromethane	ND	0.26	6.8	"		ND			30		
Bromoform	ND	0.18	11	"		ND			30		
Bromomethane	ND	0.37	4.0	"		ND			30		
Carbon tetrachloride	ND	0.56	6.4	"		ND			30		
Chlorobenzene	ND	0.12	4.7	"		ND			30		
Chloroethane	ND	0.29	2.7	"		ND			30		
Chloroform	ND	0.38	5.0	"		ND			30		
Chloromethane	ND	0.17	11	"		ND			30		
Cyclohexane	ND	0.17	3.5	"		ND			30		
Heptane	ND	0.21	4.2	"		ND			30		
Hexane	ND	1.0	3.6	"		ND			30		
Dibromochloromethane	ND	0.23	8.7	"		ND			30		
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"		ND			30		
1,2-Dichlorobenzene	ND	0.21	6.1	"		ND			30		
1,3-Dichlorobenzene	ND	0.19	6.1	"		ND			30		
1,4-Dichlorobenzene	ND	0.24	6.1	"		ND			30		
Dichlorodifluoromethane	ND	0.33	5.0	"		ND			30		

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	Reported: 05/26/11 13:20
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1051610 - General Prep VOC-MS**

Duplicate (1051610-DUP1)	Source: T110627-01	Prepared: 05/16/11	Analyzed: 05/19/11				
1,1-Dichloroethane	ND	0.25	4.1 ug/m <sup>3</sup> Air	ND	30		
1,2-Dichloroethane	ND	0.32	4.1 "	ND	30		
1,1-Dichloroethene	ND	0.25	4.0 "	ND	30		
cis-1,2-Dichloroethene	ND	0.25	4.0 "	3.68	30		
trans-1,2-Dichloroethene	ND	0.25	4.0 "	ND	30		
1,2-Dichloropropane	ND	0.22	4.7 "	ND	30		
cis-1,3-Dichloropropene	ND	0.15	4.6 "	ND	30		
trans-1,3-Dichloropropene	ND	0.21	4.6 "	ND	30		
4-Ethyltoluene	ND	0.10	5.0 "	ND	30		
Methylene chloride	ND	0.19	3.5 "	ND	30		
Styrene	ND	0.12	4.3 "	ND	30		
1,1,2,2-Tetrachloroethane	ND	0.11	7.0 "	ND	30		
Tetrahydrofuran	ND	0.26	3.0 "	ND	30		
Tetrachloroethene	ND	0.20	6.9 "	109	30		
1,1,2-Trichloroethane	ND	0.21	5.6 "	ND	30		
1,1,1-Trichloroethane	ND	0.54	5.6 "	ND	30		
Trichloroethene	ND	0.14	5.5 "	5.18	30		
Trichlorofluoromethane	ND	0.48	5.7 "	ND	30		
1,3,5-Trimethylbenzene	7.44	0.13	5.0 "	6.42	14.6	30	
1,2,4-Trimethylbenzene	18.6	0.23	5.0 "	18.9	1.80	30	
Vinyl acetate	ND	0.44	3.6 "	ND	30		
Vinyl chloride	ND	0.10	2.6 "	ND	30		
1,4-Dioxane	ND	0.14	18 "	ND	30		
2-Butanone (MEK)	5.06	0.62	15 "	4.66	8.33	30	J
4-Methyl-2-pentanone (MIBK)	ND	0.14	42 "	ND	30		
Benzene	ND	0.14	3.3 "	ND	30		
Toluene	8.42	0.15	3.8 "	8.68	3.03	30	

SunStar Laboratories, Inc.

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Engeo 2213 Plaza Dr. Rocklin CA, 95765	Project: 1000 N. Vasco Rd. Project Number: 7380.000.003 Project Manager: Jeff Adams	<b>Reported:</b> 05/26/11 13:20
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1051610 - General Prep VOC-MS**

<b>Duplicate (1051610-DUP1)</b>	<b>Source: T110627-01</b>		<b>Prepared: 05/16/11</b>		<b>Analyzed: 05/19/11</b>	
Ethylbenzene	ND	0.14	4.4 ug/m <sup>3</sup>	Air	ND	30
m,p-Xylene	12.8	0.49	8.8	"	13.3	3.43 30
o-Xylene	6.42	0.19	4.4	"	6.57	2.30 30
C6-C12 (GRO)	6000	1800	7200	"	12500	70.6 30
1,1-Difluoroethane (Freon 152)	ND		27	"	2590	200

SunStar Laboratories, Inc.

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Engeo  
2213 Plaza Dr.  
Rocklin CA, 95765

Project: 1000 N. Vasco Rd.  
Project Number: 7380.000.003  
Project Manager: Jeff Adams

**Reported:**  
05/26/11 13:20

### Notes and Definitions

- J Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is above the calibration range of the instrument. This value should be considered as an estimate as the actual value may be higher.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

# Chain of Custody Record

SunStar Laboratories, Inc.  
 25712 Commerce Centre Dr  
 Lake Forest, CA 92630  
 949-297-5020

Client: ENL-ECO  
 Address: 2010 Ceres Canyon, San Ramon, CA  
 Phone: (925) 866-9000 Fax: 888-279-2618  
 Project Manager: Jeff Adams

Date: 5/13/11 Page: 1 of 1  
 Project Name: 1000 North Vasco Road  
 Collector: ST Client Project #: 7380.000.003  
 Batch #: TI0617 EDF #: \_\_\_\_\_

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers
SG-1	5/13/11	10:05	Vapor	Canister										01	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>STD. TAT</b>                      5/14/11                      BC                 </div>	
SG-2		12:52												02		
SG-3		12:38												03		
SG-4		9:15												04		
SG-5		9:52												05		
SG-6		1:57												06		
SG-7		10:55												07		
SG-8		11:18												08		
SG-9		11:51												09		
SG-10		11:02												10		
SG-11		1:03												11		
SG-12		1:47												12		
Relequished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relequished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relequished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____																
Chain of Custody seals Y/N/NA Received good condition/cold Total # of containers: <u>13</u> Turn around time: _____																
Notes: Results by 3PM on Friday 5/13/11 See email from Jeff Adams (attached) Bill H.																

Sample disposal instructions: Disposal @ \$2.00 each \_\_\_\_\_

Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 102818

## SAMPLE RECEIVING REVIEW SHEET

BATCH # T110627

Client Name: ENGEO

Project: 1000 NORTH VASCO ROAD

Received by: Baird

Date/Time Received: 5/14/11 1050

Delivered by:  Client  SunStar Courier  GSO  FedEx  Other

Total number of coolers received 0 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 20.2 °C +/- the CF (- 0.2°C) = 20.0 °C corrected temperature

cooler #2 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

cooler #3 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

- Samples outside temp. but received on ice, w/in 6 hours of final sampling.  Yes  No\*  N/A
- Custody Seals Intact on Cooler/Sample  Yes  No\*  N/A
- Sample Containers Intact  Yes  No\*
- Sample labels match COC ID's  Yes  No\*
- Total number of containers received match COC  Yes  No\*
- Proper containers received for analyses requested on COC  Yes  No\*
- Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times.  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 5/14/11

Comments:

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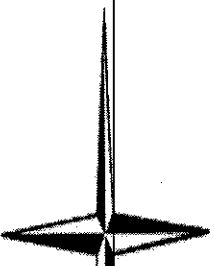


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\* PLEASE DO NOT WRITE ON OR PLACE LABELS ON SUMMA CANS



# SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

## Canister Data Sheet

Client: ENGEO SCOTT JOHNS 5/12/2011 19

Shipping Information		Sampling Information						
Canister Serial #	CHECK Date	Pressure (-30 +/- 2 psia)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
SSAT- 0031	5/12/2011	-30						
SSAT- 0409	5/12/2011	-30	SG 1	5/13/11	30	4	10:05	10:13
SSAT- 0439	5/12/2011	-30	SG 11	5/13/11	30	SG	1:03	1:10
SSAT- 0469	5/12/2011	-30						
SSAT- 0612	5/12/2011	-30	SG 8	5/13/11	29	5	11:18	11:25
SSAT- 0613	5/12/2011	-30	SG 4	5/13/11	24	4	9:15	9:19
SSAT- 0616	5/12/2011	-30	SG 5	5/13/11	28	5	9:52	9:59
SSAT- 0660	5/12/2011	-30	SG 10	5/13/11	30	2	11:02	11:11
SSAT- 0675	5/12/2011	-30	SG 7	5/13/11	20	5	10:55	11:07
SSAT- 0677	5/12/2011	-30	SG 9	5/13/11	29	5	11:51	11:59
SSAT- 0685	5/12/2011	-30	SG 6	5/13/11	28	4	12:57	2:04
SSAT- 0688	5/12/2011	-30	SG 3	5/13/11	28	5	12:38	12:45
SSAT- 0689	5/12/2011	-30	SG 12	5/13/11	30	5	11:47	1:52
SSAT- 0710	5/12/2011	-30	SG 2	5/13/11	30	5	12:52	1:00
SSAT- 0711	5/12/2011	-30						
SSAT- 6003	5/12/2011	-30	PURGE CAN					







**Jeff Adams**

---

**From:** Bill Hannell [bill@sunstarlabs.com]  
**Sent:** Thursday, May 12, 2011 4:57 PM  
**To:** Jeff Adams  
**Subject:** Credit for Air Project at Livermore

Hi Jeff

As per our conversation today, when we receive the 12 summa cans to be analyzed for TO 15, I am only going to charge you \$ 500 for the whole project. If you would print this out and attach it to the COC, with also a note on the COC that refers to this email, I would appreciate it.

Thanks for your business, and I look forward to working with you in the future.

Best regards

**Bill Hannell\* Vice President of Operations**  
SunStar Laboratories, Inc.  
25712 Commercentre Drive  
Lake Forest, CA 92630  
**530-304-5525 Office**  
530-756-5698 FAX  
bill@sunstarlabs.com

**ELAP# 2250 Small Business Certification: # 31511**

## **Appendix C**

TestAmerica Laboratories, Inc.  
July 2011 Laboratory Report

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

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

TestAmerica Job ID: 720-36241-1  
Client Project/Site: Macedo Remediation

For:  
Engeo, Inc.  
580 N Wilma Avenue  
Suite A  
Ripon, California 95366-9502

Attn: Mr. Richard Gandolfo



---

Authorized for release by:  
07/20/2011 04:41:37 PM

Afsaneh Salimpour  
Project Manager I  
[afsaneh.salimpour@testamericainc.com](mailto:afsaneh.salimpour@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://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.*

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# Definitions/Glossary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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# Case Narrative

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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**Job ID: 720-36241-1**

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**Laboratory: TestAmerica San Francisco**

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**Narrative**

**Job Narrative**  
720-36241-1

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

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# Detection Summary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

**Client Sample ID: DEEP**

**Lab Sample ID: 720-36241-1**

No Detections.

**Client Sample ID: SHALLOW**

**Lab Sample ID: 720-36241-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.6		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA

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# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

**Client Sample ID: DEEP**

**Date Collected: 07/13/11 00:00**

**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			07/15/11 13:03	1
Acetone	ND		50		ug/L			07/15/11 13:03	1
Benzene	ND		0.50		ug/L			07/15/11 13:03	1
Dichlorobromomethane	ND		0.50		ug/L			07/15/11 13:03	1
Bromobenzene	ND		1.0		ug/L			07/15/11 13:03	1
Chlorobromomethane	ND		1.0		ug/L			07/15/11 13:03	1
Bromoform	ND		1.0		ug/L			07/15/11 13:03	1
Bromomethane	ND		1.0		ug/L			07/15/11 13:03	1
2-Butanone (MEK)	ND		50		ug/L			07/15/11 13:03	1
n-Butylbenzene	ND		1.0		ug/L			07/15/11 13:03	1
sec-Butylbenzene	ND		1.0		ug/L			07/15/11 13:03	1
tert-Butylbenzene	ND		1.0		ug/L			07/15/11 13:03	1
Carbon disulfide	ND		5.0		ug/L			07/15/11 13:03	1
Carbon tetrachloride	ND		0.50		ug/L			07/15/11 13:03	1
Chlorobenzene	ND		0.50		ug/L			07/15/11 13:03	1
Chloroethane	ND		1.0		ug/L			07/15/11 13:03	1
Chloroform	ND		1.0		ug/L			07/15/11 13:03	1
Chloromethane	ND		1.0		ug/L			07/15/11 13:03	1
2-Chlorotoluene	ND		0.50		ug/L			07/15/11 13:03	1
4-Chlorotoluene	ND		0.50		ug/L			07/15/11 13:03	1
Chlorodibromomethane	ND		0.50		ug/L			07/15/11 13:03	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/15/11 13:03	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/15/11 13:03	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/15/11 13:03	1
1,3-Dichloropropane	ND		1.0		ug/L			07/15/11 13:03	1
1,1-Dichloropropene	ND		0.50		ug/L			07/15/11 13:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/15/11 13:03	1
Ethylene Dibromide	ND		0.50		ug/L			07/15/11 13:03	1
Dibromomethane	ND		0.50		ug/L			07/15/11 13:03	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/15/11 13:03	1
1,1-Dichloroethane	ND		0.50		ug/L			07/15/11 13:03	1
1,2-Dichloroethane	ND		0.50		ug/L			07/15/11 13:03	1
1,1-Dichloroethene	ND		0.50		ug/L			07/15/11 13:03	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 13:03	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 13:03	1
1,2-Dichloropropane	ND		0.50		ug/L			07/15/11 13:03	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 13:03	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 13:03	1
Ethylbenzene	ND		0.50		ug/L			07/15/11 13:03	1
Hexachlorobutadiene	ND		1.0		ug/L			07/15/11 13:03	1
2-Hexanone	ND		50		ug/L			07/15/11 13:03	1
Isopropylbenzene	ND		0.50		ug/L			07/15/11 13:03	1
4-Isopropyltoluene	ND		1.0		ug/L			07/15/11 13:03	1
Methylene Chloride	ND		5.0		ug/L			07/15/11 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/15/11 13:03	1
Naphthalene	ND		1.0		ug/L			07/15/11 13:03	1
N-Propylbenzene	ND		1.0		ug/L			07/15/11 13:03	1
Styrene	ND		0.50		ug/L			07/15/11 13:03	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 13:03	1

# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: DEEP**  
**Date Collected: 07/13/11 00:00**  
**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-1**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 13:03	1
Tetrachloroethene	ND		0.50		ug/L			07/15/11 13:03	1
Toluene	ND		0.50		ug/L			07/15/11 13:03	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/15/11 13:03	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/15/11 13:03	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/15/11 13:03	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/15/11 13:03	1
Trichloroethene	ND		0.50		ug/L			07/15/11 13:03	1
Trichlorofluoromethane	ND		1.0		ug/L			07/15/11 13:03	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/15/11 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/15/11 13:03	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/15/11 13:03	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/15/11 13:03	1
Vinyl acetate	ND		10		ug/L			07/15/11 13:03	1
Vinyl chloride	ND		0.50		ug/L			07/15/11 13:03	1
Xylenes, Total	ND		1.0		ug/L			07/15/11 13:03	1
2,2-Dichloropropane	ND		0.50		ug/L			07/15/11 13:03	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/15/11 13:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		07/15/11 13:03	1
1,2-Dichloroethane-d4 (Surr)	94		67 - 130		07/15/11 13:03	1
Toluene-d8 (Surr)	97		70 - 130		07/15/11 13:03	1

**Client Sample ID: SHALLOW**  
**Date Collected: 07/13/11 00:00**  
**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-2**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Methyl tert-butyl ether</b>	<b>3.6</b>		0.50		ug/L			07/15/11 15:27	1
Acetone	ND		50		ug/L			07/15/11 15:27	1
Benzene	ND		0.50		ug/L			07/15/11 15:27	1
Dichlorobromomethane	ND		0.50		ug/L			07/15/11 15:27	1
Bromobenzene	ND		1.0		ug/L			07/15/11 15:27	1
Chlorobromomethane	ND		1.0		ug/L			07/15/11 15:27	1
Bromoform	ND		1.0		ug/L			07/15/11 15:27	1
Bromomethane	ND		1.0		ug/L			07/15/11 15:27	1
2-Butanone (MEK)	ND		50		ug/L			07/15/11 15:27	1
n-Butylbenzene	ND		1.0		ug/L			07/15/11 15:27	1
sec-Butylbenzene	ND		1.0		ug/L			07/15/11 15:27	1
tert-Butylbenzene	ND		1.0		ug/L			07/15/11 15:27	1
Carbon disulfide	ND		5.0		ug/L			07/15/11 15:27	1
Carbon tetrachloride	ND		0.50		ug/L			07/15/11 15:27	1
Chlorobenzene	ND		0.50		ug/L			07/15/11 15:27	1
Chloroethane	ND		1.0		ug/L			07/15/11 15:27	1
Chloroform	ND		1.0		ug/L			07/15/11 15:27	1
Chloromethane	ND		1.0		ug/L			07/15/11 15:27	1
2-Chlorotoluene	ND		0.50		ug/L			07/15/11 15:27	1
4-Chlorotoluene	ND		0.50		ug/L			07/15/11 15:27	1

# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Client Sample ID: SHALLOW**  
**Date Collected: 07/13/11 00:00**  
**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-2**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		0.50		ug/L			07/15/11 15:27	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/15/11 15:27	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/15/11 15:27	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/15/11 15:27	1
1,3-Dichloropropane	ND		1.0		ug/L			07/15/11 15:27	1
1,1-Dichloropropene	ND		0.50		ug/L			07/15/11 15:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/15/11 15:27	1
Ethylene Dibromide	ND		0.50		ug/L			07/15/11 15:27	1
Dibromomethane	ND		0.50		ug/L			07/15/11 15:27	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/15/11 15:27	1
1,1-Dichloroethane	ND		0.50		ug/L			07/15/11 15:27	1
1,2-Dichloroethane	ND		0.50		ug/L			07/15/11 15:27	1
1,1-Dichloroethene	ND		0.50		ug/L			07/15/11 15:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 15:27	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 15:27	1
1,2-Dichloropropane	ND		0.50		ug/L			07/15/11 15:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 15:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 15:27	1
Ethylbenzene	ND		0.50		ug/L			07/15/11 15:27	1
Hexachlorobutadiene	ND		1.0		ug/L			07/15/11 15:27	1
2-Hexanone	ND		50		ug/L			07/15/11 15:27	1
Isopropylbenzene	ND		0.50		ug/L			07/15/11 15:27	1
4-Isopropyltoluene	ND		1.0		ug/L			07/15/11 15:27	1
Methylene Chloride	ND		5.0		ug/L			07/15/11 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/15/11 15:27	1
Naphthalene	ND		1.0		ug/L			07/15/11 15:27	1
N-Propylbenzene	ND		1.0		ug/L			07/15/11 15:27	1
Styrene	ND		0.50		ug/L			07/15/11 15:27	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 15:27	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 15:27	1
Tetrachloroethene	ND		0.50		ug/L			07/15/11 15:27	1
Toluene	ND		0.50		ug/L			07/15/11 15:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/15/11 15:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/15/11 15:27	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/15/11 15:27	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/15/11 15:27	1
Trichloroethene	ND		0.50		ug/L			07/15/11 15:27	1
Trichlorofluoromethane	ND		1.0		ug/L			07/15/11 15:27	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/15/11 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/15/11 15:27	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/15/11 15:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/15/11 15:27	1
Vinyl acetate	ND		10		ug/L			07/15/11 15:27	1
Vinyl chloride	ND		0.50		ug/L			07/15/11 15:27	1
Xylenes, Total	ND		1.0		ug/L			07/15/11 15:27	1
2,2-Dichloropropane	ND		0.50		ug/L			07/15/11 15:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/15/11 15:27	1

# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	97		67 - 130		07/15/11 15:27	1
1,2-Dichloroethane-d4 (Surr)	97		67 - 130		07/15/11 15:27	1
Toluene-d8 (Surr)	97		70 - 130		07/15/11 15:27	1

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# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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

**Client Sample ID: DEEP**  
**Date Collected: 07/13/11 00:00**  
**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-1**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		52		ug/L		07/19/11 11:56	07/20/11 10:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 5				07/19/11 11:56	07/20/11 10:26	1
p-Terphenyl	76		31 - 150				07/19/11 11:56	07/20/11 10:26	1

**Client Sample ID: SHALLOW**  
**Date Collected: 07/13/11 00:00**  
**Date Received: 07/13/11 17:20**

**Lab Sample ID: 720-36241-2**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		60		ug/L		07/19/11 11:56	07/20/11 10:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.03		0 - 5				07/19/11 11:56	07/20/11 10:50	1
p-Terphenyl	81		31 - 150				07/19/11 11:56	07/20/11 10:50	1



# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

**Lab Sample ID: MB 720-95238/4**  
**Matrix: Water**  
**Analysis Batch: 95238**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		0.50		ug/L			07/15/11 09:46	1
Acetone	ND		50		ug/L			07/15/11 09:46	1
Benzene	ND		0.50		ug/L			07/15/11 09:46	1
Dichlorobromomethane	ND		0.50		ug/L			07/15/11 09:46	1
Bromobenzene	ND		1.0		ug/L			07/15/11 09:46	1
Chlorobromomethane	ND		1.0		ug/L			07/15/11 09:46	1
Bromoform	ND		1.0		ug/L			07/15/11 09:46	1
Bromomethane	ND		1.0		ug/L			07/15/11 09:46	1
2-Butanone (MEK)	ND		50		ug/L			07/15/11 09:46	1
n-Butylbenzene	ND		1.0		ug/L			07/15/11 09:46	1
sec-Butylbenzene	ND		1.0		ug/L			07/15/11 09:46	1
tert-Butylbenzene	ND		1.0		ug/L			07/15/11 09:46	1
Carbon disulfide	ND		5.0		ug/L			07/15/11 09:46	1
Carbon tetrachloride	ND		0.50		ug/L			07/15/11 09:46	1
Chlorobenzene	ND		0.50		ug/L			07/15/11 09:46	1
Chloroethane	ND		1.0		ug/L			07/15/11 09:46	1
Chloroform	ND		1.0		ug/L			07/15/11 09:46	1
Chloromethane	ND		1.0		ug/L			07/15/11 09:46	1
2-Chlorotoluene	ND		0.50		ug/L			07/15/11 09:46	1
4-Chlorotoluene	ND		0.50		ug/L			07/15/11 09:46	1
Chlorodibromomethane	ND		0.50		ug/L			07/15/11 09:46	1
1,2-Dichlorobenzene	ND		0.50		ug/L			07/15/11 09:46	1
1,3-Dichlorobenzene	ND		0.50		ug/L			07/15/11 09:46	1
1,4-Dichlorobenzene	ND		0.50		ug/L			07/15/11 09:46	1
1,3-Dichloropropane	ND		1.0		ug/L			07/15/11 09:46	1
1,1-Dichloropropene	ND		0.50		ug/L			07/15/11 09:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/15/11 09:46	1
Ethylene Dibromide	ND		0.50		ug/L			07/15/11 09:46	1
Dibromomethane	ND		0.50		ug/L			07/15/11 09:46	1
Dichlorodifluoromethane	ND		0.50		ug/L			07/15/11 09:46	1
1,1-Dichloroethane	ND		0.50		ug/L			07/15/11 09:46	1
1,2-Dichloroethane	ND		0.50		ug/L			07/15/11 09:46	1
1,1-Dichloroethene	ND		0.50		ug/L			07/15/11 09:46	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 09:46	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			07/15/11 09:46	1
1,2-Dichloropropane	ND		0.50		ug/L			07/15/11 09:46	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 09:46	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/15/11 09:46	1
Ethylbenzene	ND		0.50		ug/L			07/15/11 09:46	1
Hexachlorobutadiene	ND		1.0		ug/L			07/15/11 09:46	1
2-Hexanone	ND		50		ug/L			07/15/11 09:46	1
Isopropylbenzene	ND		0.50		ug/L			07/15/11 09:46	1
4-Isopropyltoluene	ND		1.0		ug/L			07/15/11 09:46	1
Methylene Chloride	ND		5.0		ug/L			07/15/11 09:46	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			07/15/11 09:46	1
Naphthalene	ND		1.0		ug/L			07/15/11 09:46	1
N-Propylbenzene	ND		1.0		ug/L			07/15/11 09:46	1
Styrene	ND		0.50		ug/L			07/15/11 09:46	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 09:46	1

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: MB 720-95238/4**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/15/11 09:46	1
Tetrachloroethene	ND		0.50		ug/L			07/15/11 09:46	1
Toluene	ND		0.50		ug/L			07/15/11 09:46	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/15/11 09:46	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/15/11 09:46	1
1,1,1-Trichloroethane	ND		0.50		ug/L			07/15/11 09:46	1
1,1,2-Trichloroethane	ND		0.50		ug/L			07/15/11 09:46	1
Trichloroethene	ND		0.50		ug/L			07/15/11 09:46	1
Trichlorofluoromethane	ND		1.0		ug/L			07/15/11 09:46	1
1,2,3-Trichloropropane	ND		0.50		ug/L			07/15/11 09:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			07/15/11 09:46	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			07/15/11 09:46	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			07/15/11 09:46	1
Vinyl acetate	ND		10		ug/L			07/15/11 09:46	1
Vinyl chloride	ND		0.50		ug/L			07/15/11 09:46	1
m-Xylene & p-Xylene	ND		1.0		ug/L			07/15/11 09:46	1
o-Xylene	ND		0.50		ug/L			07/15/11 09:46	1
Xylenes, Total	ND		1.0		ug/L			07/15/11 09:46	1
2,2-Dichloropropane	ND		0.50		ug/L			07/15/11 09:46	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/15/11 09:46	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	96		67 - 130		07/15/11 09:46	1
1,2-Dichloroethane-d4 (Surr)	94		67 - 130		07/15/11 09:46	1
Toluene-d8 (Surr)	98		70 - 130		07/15/11 09:46	1

**Lab Sample ID: LCS 720-95238/5**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	125	107		ug/L		85	26 - 180
Benzene	25.0	25.7		ug/L		103	82 - 127
Dichlorobromomethane	25.0	25.5		ug/L		102	70 - 130
Bromobenzene	25.0	25.7		ug/L		103	79 - 127
Chlorobromomethane	25.0	26.5		ug/L		106	70 - 130
Bromoform	25.0	25.8		ug/L		103	68 - 136
Bromomethane	25.0	26.4		ug/L		106	43 - 151
2-Butanone (MEK)	125	120		ug/L		96	66 - 149
n-Butylbenzene	25.0	26.4		ug/L		106	79 - 142
sec-Butylbenzene	25.0	25.0		ug/L		100	81 - 134
tert-Butylbenzene	25.0	24.7		ug/L		99	82 - 135
Carbon disulfide	25.0	23.7		ug/L		95	58 - 124
Carbon tetrachloride	25.0	24.7		ug/L		99	77 - 146
Chlorobenzene	25.0	25.4		ug/L		102	70 - 130
Chloroethane	25.0	24.4		ug/L		98	62 - 138
Chloroform	25.0	23.8		ug/L		95	70 - 130
Chloromethane	25.0	22.3		ug/L		89	52 - 175

TestAmerica San Francisco



# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCS 720-95238/5**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec. Limits
	Added	Result	Qualifier				
2-Chlorotoluene	25.0	24.5		ug/L		98	70 - 130
4-Chlorotoluene	25.0	24.3		ug/L		97	70 - 130
Chlorodibromomethane	25.0	27.5		ug/L		110	78 - 145
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	87 - 118
1,3-Dichloropropane	25.0	26.5		ug/L		106	82 - 128
1,1-Dichloropropene	25.0	25.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.8		ug/L		99	72 - 136
Ethylene Dibromide	25.0	27.6		ug/L		110	70 - 130
Dibromomethane	25.0	25.9		ug/L		104	70 - 130
Dichlorodifluoromethane	25.0	21.0		ug/L		84	33 - 125
1,1-Dichloroethane	25.0	23.7		ug/L		95	70 - 130
1,2-Dichloroethane	25.0	22.5		ug/L		90	70 - 126
1,1-Dichloroethene	25.0	22.7		ug/L		91	64 - 128
cis-1,2-Dichloroethene	25.0	27.7		ug/L		111	70 - 130
trans-1,2-Dichloroethene	25.0	20.1		ug/L		80	68 - 118
1,2-Dichloropropane	25.0	25.4		ug/L		102	70 - 130
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	88 - 137
trans-1,3-Dichloropropene	25.0	26.9		ug/L		108	83 - 140
Ethylbenzene	25.0	25.3		ug/L		101	86 - 135
Hexachlorobutadiene	25.0	25.7		ug/L		103	70 - 130
2-Hexanone	125	115		ug/L		92	60 - 164
Isopropylbenzene	25.0	25.6		ug/L		102	70 - 130
4-Isopropyltoluene	25.0	25.6		ug/L		102	70 - 130
Methylene Chloride	25.0	22.9		ug/L		92	73 - 147
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	63 - 165
Naphthalene	25.0	28.2		ug/L		113	78 - 135
N-Propylbenzene	25.0	23.9		ug/L		96	70 - 130
Styrene	25.0	26.6		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	25.0	25.4		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 - 130
Tetrachloroethene	25.0	25.9		ug/L		104	70 - 130
Toluene	25.0	25.6		ug/L		102	83 - 129
1,2,3-Trichlorobenzene	25.0	27.8		ug/L		111	70 - 130
1,2,4-Trichlorobenzene	25.0	26.9		ug/L		108	70 - 130
1,1,1-Trichloroethane	25.0	23.8		ug/L		95	70 - 130
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	82 - 128
Trichloroethene	25.0	26.0		ug/L		104	70 - 130
Trichlorofluoromethane	25.0	24.0		ug/L		96	72 - 135
1,2,3-Trichloropropane	25.0	25.1		ug/L		100	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.5		ug/L		98	42 - 162
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		100	70 - 130
Vinyl acetate	25.0	23.1		ug/L		92	43 - 163
Vinyl chloride	25.0	21.7		ug/L		87	65 - 156
m-Xylene & p-Xylene	50.0	49.5		ug/L		99	70 - 142
o-Xylene	25.0	24.9		ug/L		100	89 - 136
2,2-Dichloropropane	25.0	24.3		ug/L		97	70 - 140

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-95238/5

Matrix: Water

Analysis Batch: 95238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCS 720-95238/7

Matrix: Water

Analysis Batch: 95238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	500	439		ug/L		88	62 - 117

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	92		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 720-95238/6

Matrix: Water

Analysis Batch: 95238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Methyl tert-butyl ether	25.0	25.7		ug/L		103	62 - 130	2	20
Acetone	125	90.8		ug/L		73	26 - 180	16	30
Benzene	25.0	25.4		ug/L		102	82 - 127	1	20
Dichlorobromomethane	25.0	25.4		ug/L		102	70 - 130	0	20
Bromobenzene	25.0	25.3		ug/L		101	79 - 127	2	20
Chlorobromomethane	25.0	26.4		ug/L		106	70 - 130	0	20
Bromoform	25.0	26.4		ug/L		106	68 - 136	2	20
Bromomethane	25.0	25.8		ug/L		103	43 - 151	2	20
2-Butanone (MEK)	125	113		ug/L		90	66 - 149	6	20
n-Butylbenzene	25.0	25.9		ug/L		104	79 - 142	2	20
sec-Butylbenzene	25.0	24.4		ug/L		98	81 - 134	2	20
tert-Butylbenzene	25.0	24.1		ug/L		96	82 - 135	2	20
Carbon disulfide	25.0	23.2		ug/L		93	58 - 124	2	20
Carbon tetrachloride	25.0	24.6		ug/L		98	77 - 146	0	20
Chlorobenzene	25.0	25.1		ug/L		100	70 - 130	1	20
Chloroethane	25.0	23.9		ug/L		96	62 - 138	2	20
Chloroform	25.0	23.5		ug/L		94	70 - 130	1	20
Chloromethane	25.0	22.2		ug/L		89	52 - 175	0	20
2-Chlorotoluene	25.0	24.0		ug/L		96	70 - 130	2	20
4-Chlorotoluene	25.0	23.8		ug/L		95	70 - 130	2	20
Chlorodibromomethane	25.0	27.6		ug/L		110	78 - 145	0	20
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	1	20
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	2	20
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	87 - 118	0	20
1,3-Dichloropropane	25.0	26.8		ug/L		107	82 - 128	1	20
1,1-Dichloropropene	25.0	24.9		ug/L		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	72 - 136	6	20

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-95238/6

Matrix: Water

Analysis Batch: 95238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Ethylene Dibromide	25.0	28.0		ug/L		112	70 - 130	1	20
Dibromomethane	25.0	26.1		ug/L		104	70 - 130	1	20
Dichlorodifluoromethane	25.0	21.1		ug/L		84	33 - 125	0	20
1,1-Dichloroethane	25.0	23.4		ug/L		94	70 - 130	1	20
1,2-Dichloroethane	25.0	22.6		ug/L		90	70 - 126	0	20
1,1-Dichloroethene	25.0	22.4		ug/L		90	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	19.7		ug/L		79	68 - 118	2	20
1,2-Dichloropropane	25.0	25.1		ug/L		100	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	88 - 137	1	20
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	83 - 140	1	20
Ethylbenzene	25.0	25.0		ug/L		100	86 - 135	1	20
Hexachlorobutadiene	25.0	25.7		ug/L		103	70 - 130	0	20
2-Hexanone	125	110		ug/L		88	60 - 164	4	20
Isopropylbenzene	25.0	25.2		ug/L		101	70 - 130	2	20
4-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130	2	20
Methylene Chloride	25.0	22.7		ug/L		91	73 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	63 - 165	2	20
Naphthalene	25.0	30.1		ug/L		120	78 - 135	7	20
N-Propylbenzene	25.0	23.2		ug/L		93	70 - 130	3	20
Styrene	25.0	26.3		ug/L		105	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130	2	20
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130	2	20
Toluene	25.0	25.1		ug/L		100	83 - 129	2	20
1,2,3-Trichlorobenzene	25.0	29.3		ug/L		117	70 - 130	5	20
1,2,4-Trichlorobenzene	25.0	27.8		ug/L		111	70 - 130	3	20
1,1,1-Trichloroethane	25.0	23.4		ug/L		94	70 - 130	2	20
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	82 - 128	1	20
Trichloroethene	25.0	25.6		ug/L		102	70 - 130	2	20
Trichlorofluoromethane	25.0	23.3		ug/L		93	72 - 135	3	20
1,2,3-Trichloropropane	25.0	25.5		ug/L		102	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	42 - 162	2	20
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130	2	20
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163	6	20
Vinyl chloride	25.0	21.2		ug/L		85	65 - 156	2	20
m-Xylene & p-Xylene	50.0	48.8		ug/L		98	70 - 142	1	20
o-Xylene	25.0	24.5		ug/L		98	89 - 136	2	20
2,2-Dichloropropane	25.0	23.9		ug/L		96	70 - 140	2	20

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		67 - 130
Toluene-d8 (Surr)	99		70 - 130

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCSD 720-95238/8**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD Limit
							Limits	RPD	
Gasoline Range Organics (GRO) -C5-C12	500	446		ug/L		89	62 - 117	2	20

Surrogate	LCSD % Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	88		67 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: 720-36241-1 MS**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: DEEP**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec.	
									Limits	RPD
Methyl tert-butyl ether	ND		25.0	21.7		ug/L		87	60 - 138	
Acetone	ND		125	66.9	F	ug/L		54	60 - 140	
Benzene	ND		25.0	24.8		ug/L		99	60 - 140	
Dichlorobromomethane	ND		25.0	23.7		ug/L		95	60 - 140	
Bromobenzene	ND		25.0	25.3		ug/L		101	60 - 140	
Chlorobromomethane	ND		25.0	23.9		ug/L		96	60 - 140	
Bromoform	ND		25.0	23.0		ug/L		92	56 - 140	
Bromomethane	ND		25.0	25.5		ug/L		102	23 - 140	
2-Butanone (MEK)	ND		125	95.2		ug/L		76	60 - 140	
n-Butylbenzene	ND		25.0	26.9		ug/L		108	60 - 140	
sec-Butylbenzene	ND		25.0	26.5		ug/L		106	60 - 140	
tert-Butylbenzene	ND		25.0	26.1		ug/L		104	60 - 140	
Carbon disulfide	ND		25.0	23.6		ug/L		94	38 - 140	
Carbon tetrachloride	ND		25.0	24.7		ug/L		99	60 - 140	
Chlorobenzene	ND		25.0	24.7		ug/L		99	60 - 140	
Chloroethane	ND		25.0	24.2		ug/L		97	51 - 140	
Chloroform	ND		25.0	22.9		ug/L		92	60 - 140	
Chloromethane	ND		25.0	22.2		ug/L		89	52 - 140	
2-Chlorotoluene	ND		25.0	25.2		ug/L		101	60 - 140	
4-Chlorotoluene	ND		25.0	24.6		ug/L		98	60 - 140	
Chlorodibromomethane	ND		25.0	24.0		ug/L		96	60 - 140	
1,2-Dichlorobenzene	ND		25.0	24.6		ug/L		98	60 - 140	
1,3-Dichlorobenzene	ND		25.0	25.4		ug/L		102	60 - 140	
1,4-Dichlorobenzene	ND		25.0	25.0		ug/L		100	60 - 140	
1,3-Dichloropropane	ND		25.0	23.3		ug/L		93	60 - 140	
1,1-Dichloropropene	ND		25.0	24.8		ug/L		99	60 - 140	
1,2-Dibromo-3-Chloropropane	ND		25.0	24.4		ug/L		98	60 - 140	
Ethylene Dibromide	ND		25.0	23.8		ug/L		95	60 - 140	
Dibromomethane	ND		25.0	22.6		ug/L		90	60 - 140	
Dichlorodifluoromethane	ND		25.0	21.5		ug/L		86	38 - 140	
1,1-Dichloroethane	ND		25.0	23.0		ug/L		92	60 - 140	
1,2-Dichloroethane	ND		25.0	20.0		ug/L		80	60 - 140	
1,1-Dichloroethene	ND		25.0	22.9		ug/L		92	60 - 140	
cis-1,2-Dichloroethene	ND		25.0	26.4		ug/L		106	60 - 140	
trans-1,2-Dichloroethene	ND		25.0	19.6		ug/L		78	60 - 140	
1,2-Dichloropropane	ND		25.0	23.6		ug/L		94	60 - 140	

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-36241-1 MS**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: DEEP**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
cis-1,3-Dichloropropene	ND		25.0	23.3		ug/L		93	60 - 140	
trans-1,3-Dichloropropene	ND		25.0	23.6		ug/L		94	60 - 140	
Ethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140	
Hexachlorobutadiene	ND		25.0	26.4		ug/L		106	60 - 140	
2-Hexanone	ND		125	90.8		ug/L		73	60 - 140	
Isopropylbenzene	ND		25.0	25.6		ug/L		102	60 - 140	
4-Isopropyltoluene	ND		25.0	26.5		ug/L		106	60 - 140	
Methylene Chloride	ND		25.0	21.3		ug/L		85	40 - 140	
4-Methyl-2-pentanone (MIBK)	ND		125	102		ug/L		82	60 - 140	
Naphthalene	ND		25.0	26.7		ug/L		107	56 - 140	
N-Propylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	
Styrene	ND		25.0	21.5		ug/L		86	60 - 140	
1,1,1,2-Tetrachloroethane	ND		25.0	24.2		ug/L		97	60 - 140	
1,1,2,2-Tetrachloroethane	ND		25.0	23.2		ug/L		93	60 - 140	
Tetrachloroethene	ND		25.0	24.9		ug/L		100	60 - 140	
Toluene	ND		25.0	25.6		ug/L		101	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	26.3		ug/L		105	60 - 140	
1,2,4-Trichlorobenzene	ND		25.0	25.6		ug/L		102	60 - 140	
1,1,1-Trichloroethane	ND		25.0	23.6		ug/L		94	60 - 140	
1,1,2-Trichloroethane	ND		25.0	23.2		ug/L		93	60 - 140	
Trichloroethene	ND		25.0	25.2		ug/L		101	60 - 140	
Trichlorofluoromethane	ND		25.0	24.2		ug/L		97	60 - 140	
1,2,3-Trichloropropane	ND		25.0	23.9		ug/L		96	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.1		ug/L		96	60 - 140	
1,2,4-Trimethylbenzene	ND		25.0	25.0		ug/L		100	60 - 140	
1,3,5-Trimethylbenzene	ND		25.0	26.1		ug/L		104	60 - 140	
Vinyl acetate	ND		25.0	18.3		ug/L		73	40 - 140	
Vinyl chloride	ND		25.0	21.9		ug/L		88	58 - 140	
m-Xylene & p-Xylene	ND		50.0	48.9		ug/L		98	60 - 140	
o-Xylene	ND		25.0	24.4		ug/L		98	60 - 140	
2,2-Dichloropropane	ND		25.0	23.4		ug/L		94	60 - 140	

Surrogate	MS	MS	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	78		67 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: 720-36241-1 MSD**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: DEEP**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Methyl tert-butyl ether	ND		25.0	27.1	F	ug/L		108	60 - 138	22	20
Acetone	ND		125	75.0		ug/L		60	60 - 140	11	20
Benzene	ND		25.0	25.7		ug/L		103	60 - 140	4	20
Dichlorobromomethane	ND		25.0	26.6		ug/L		106	60 - 140	12	20
Bromobenzene	ND		25.0	26.1		ug/L		104	60 - 140	3	20
Chlorobromomethane	ND		25.0	27.6		ug/L		110	60 - 140	14	20
Bromoform	ND		25.0	27.5		ug/L		110	56 - 140	18	20

TestAmerica San Francisco

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-36241-1 MSD

Matrix: Water

Analysis Batch: 95238

Client Sample ID: DEEP

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Bromomethane	ND		25.0	25.8		ug/L		103	23 - 140	1	20
2-Butanone (MEK)	ND		125	109		ug/L		87	60 - 140	13	20
n-Butylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	7	20
sec-Butylbenzene	ND		25.0	24.4		ug/L		98	60 - 140	8	20
tert-Butylbenzene	ND		25.0	24.4		ug/L		98	60 - 140	7	20
Carbon disulfide	ND		25.0	23.1		ug/L		92	38 - 140	2	20
Carbon tetrachloride	ND		25.0	24.3		ug/L		97	60 - 140	2	20
Chlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140	2	20
Chloroethane	ND		25.0	23.9		ug/L		96	51 - 140	1	20
Chloroform	ND		25.0	24.2		ug/L		97	60 - 140	6	20
Chloromethane	ND		25.0	22.2		ug/L		89	52 - 140	0	20
2-Chlorotoluene	ND		25.0	24.4		ug/L		98	60 - 140	3	20
4-Chlorotoluene	ND		25.0	23.8		ug/L		95	60 - 140	3	20
Chlorodibromomethane	ND		25.0	29.1		ug/L		116	60 - 140	19	20
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140	4	20
1,3-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	0	20
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		102	60 - 140	2	20
1,3-Dichloropropane	ND		25.0	28.2		ug/L		113	60 - 140	19	20
1,1-Dichloropropene	ND		25.0	24.5		ug/L		98	60 - 140	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.5		ug/L		110	60 - 140	12	20
Ethylene Dibromide	ND		25.0	29.5	F	ug/L		118	60 - 140	21	20
Dibromomethane	ND		25.0	27.3		ug/L		109	60 - 140	19	20
Dichlorodifluoromethane	ND		25.0	20.8		ug/L		83	38 - 140	3	20
1,1-Dichloroethane	ND		25.0	23.7		ug/L		95	60 - 140	3	20
1,2-Dichloroethane	ND		25.0	23.7		ug/L		95	60 - 140	17	20
1,1-Dichloroethene	ND		25.0	22.0		ug/L		88	60 - 140	4	20
cis-1,2-Dichloroethene	ND		25.0	27.8		ug/L		111	60 - 140	5	20
trans-1,2-Dichloroethene	ND		25.0	19.6		ug/L		78	60 - 140	0	20
1,2-Dichloropropane	ND		25.0	25.9		ug/L		104	60 - 140	9	20
cis-1,3-Dichloropropene	ND		25.0	26.7		ug/L		107	60 - 140	14	20
trans-1,3-Dichloropropene	ND		25.0	28.2		ug/L		113	60 - 140	18	20
Ethylbenzene	ND		25.0	24.7		ug/L		99	60 - 140	2	20
Hexachlorobutadiene	ND		25.0	24.6		ug/L		98	60 - 140	7	20
2-Hexanone	ND		125	112	F	ug/L		90	60 - 140	21	20
Isopropylbenzene	ND		25.0	24.9		ug/L		100	60 - 140	3	20
4-Isopropyltoluene	ND		25.0	24.7		ug/L		99	60 - 140	7	20
Methylene Chloride	ND		25.0	23.3		ug/L		93	40 - 140	9	20
4-Methyl-2-pentanone (MIBK)	ND		125	126	F	ug/L		101	60 - 140	21	20
Naphthalene	ND		25.0	31.0		ug/L		124	56 - 140	15	20
N-Propylbenzene	ND		25.0	23.1		ug/L		92	60 - 140	8	20
Styrene	ND		25.0	22.9		ug/L		92	60 - 140	6	20
1,1,1,2-Tetrachloroethane	ND		25.0	25.9		ug/L		104	60 - 140	7	20
1,1,1,2,2-Tetrachloroethane	ND		25.0	26.6		ug/L		106	60 - 140	14	20
Tetrachloroethene	ND		25.0	24.8		ug/L		99	60 - 140	0	20
Toluene	ND		25.0	25.0		ug/L		99	60 - 140	2	20
1,2,3-Trichlorobenzene	ND		25.0	29.1		ug/L		116	60 - 140	10	20
1,2,4-Trichlorobenzene	ND		25.0	27.1		ug/L		108	60 - 140	6	20
1,1,1-Trichloroethane	ND		25.0	23.5		ug/L		94	60 - 140	0	20
1,1,2-Trichloroethane	ND		25.0	28.5	F	ug/L		114	60 - 140	21	20
Trichloroethene	ND		25.0	25.4		ug/L		102	60 - 140	1	20

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-36241-1 MSD**

**Matrix: Water**

**Analysis Batch: 95238**

**Client Sample ID: DEEP**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Trichlorofluoromethane	ND		25.0	23.1		ug/L		92	60 - 140	5	20
1,2,3-Trichloropropane	ND		25.0	27.0		ug/L		108	60 - 140	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.5		ug/L		94	60 - 140	3	20
1,2,4-Trimethylbenzene	ND		25.0	24.2		ug/L		97	60 - 140	3	20
1,3,5-Trimethylbenzene	ND		25.0	24.6		ug/L		98	60 - 140	6	20
Vinyl acetate	ND		25.0	22.3		ug/L		89	40 - 140	20	20
Vinyl chloride	ND		25.0	21.0		ug/L		84	58 - 140	4	20
m-Xylene & p-Xylene	ND		50.0	48.2		ug/L		96	60 - 140	1	20
o-Xylene	ND		25.0	24.7		ug/L		99	60 - 140	1	20
2,2-Dichloropropane	ND		25.0	22.8		ug/L		91	60 - 140	3	20

Surrogate	MSD	MSD	% Recovery	Qualifier	Limits
4-Bromofluorobenzene			96		67 - 130
1,2-Dichloroethane-d4 (Surr)			89		67 - 130
Toluene-d8 (Surr)			99		70 - 130

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

**Lab Sample ID: MB 720-95476/1-A**

**Matrix: Water**

**Analysis Batch: 95548**

**Client Sample ID: Method Blank**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 95476**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		50		ug/L		07/19/11 11:56	07/20/11 09:16	1

Surrogate	MB	MB	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)			0.06		0 - 5	07/19/11 11:56	07/20/11 09:16	1
p-Terphenyl			92		31 - 150	07/19/11 11:56	07/20/11 09:16	1

**Lab Sample ID: LCS 720-95476/2-A**

**Matrix: Water**

**Analysis Batch: 95548**

**Client Sample ID: Lab Control Sample**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 95476**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Diesel Range Organics [C10-C28]	2500	1980		ug/L		79	32 - 119	

Surrogate	LCS	LCS	% Recovery	Qualifier	Limits
p-Terphenyl			102		31 - 150

**Lab Sample ID: LCSD 720-95476/3-A**

**Matrix: Water**

**Analysis Batch: 95548**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 95476**

Analyte	Spike Added	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Diesel Range Organics [C10-C28]	2500	1940		ug/L		78	32 - 119	2	35	

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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

Lab Sample ID: LCSD 720-95476/3-A

Matrix: Water

Analysis Batch: 95548

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 95476

<i>Surrogate</i>	<i>LCSD</i>	<i>LCSD</i>	<i>Limits</i>
	<i>% Recovery</i>	<i>Qualifier</i>	
<i>p-Terphenyl</i>	92		31 - 150

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# QC Association Summary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## GC/MS VOA

### Analysis Batch: 95238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-95238/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-95238/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-95238/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-95238/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-95238/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
720-36241-1	DEEP	Total/NA	Water	8260B/CA_LUFT MS	
720-36241-1 MS	DEEP	Total/NA	Water	8260B/CA_LUFT MS	
720-36241-1 MSD	DEEP	Total/NA	Water	8260B/CA_LUFT MS	
720-36241-2	SHALLOW	Total/NA	Water	8260B/CA_LUFT MS	

## GC Semi VOA

### Prep Batch: 95476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-95476/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-95476/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-95476/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
720-36241-1	DEEP	Silica Gel Cleanup	Water	3510C SGC	
720-36241-2	SHALLOW	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 95548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-95476/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	95476
LCS 720-95476/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	95476
LCSD 720-95476/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	95476
720-36241-1	DEEP	Silica Gel Cleanup	Water	8015B	95476
720-36241-2	SHALLOW	Silica Gel Cleanup	Water	8015B	95476

# Lab Chronicle

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

## Client Sample ID: DEEP

Lab Sample ID: 720-36241-1

Date Collected: 07/13/11 00:00

Matrix: Water

Date Received: 07/13/11 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	95238	07/15/11 13:03	LL	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			95476	07/19/11 11:56	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	95548	07/20/11 10:26	DH	TAL SF

## Client Sample ID: SHALLOW

Lab Sample ID: 720-36241-2

Date Collected: 07/13/11 00:00

Matrix: Water

Date Received: 07/13/11 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	95238	07/15/11 15:27	LL	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			95476	07/19/11 11:56	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	95548	07/20/11 10:50	DH	TAL SF

### Laboratory References:

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

# Certification Summary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

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Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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# Method Summary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS	SW846	TAL SF
S			
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF

**Protocol References:**

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

**Laboratory References:**

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

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# Sample Summary

Client: Engeo, Inc.  
Project/Site: Macedo Remediation

TestAmerica Job ID: 720-36241-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-36241-1	DEEP	Water	07/13/11 00:00	07/13/11 17:20
720-36241-2	SHALLOW	Water	07/13/11 00:00	07/13/11 17:20

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody  
 1220 Quattrone Lane • Pleasanton CA 94566-4756  
 Phone: (925) 264-4919 • Fax: (925) 600-6002

1220-36241

Reference #: 132434  
 Date: \_\_\_\_\_ Page: 1 of 1

Report ID: RICHARD Gondola ENGSO  
 Analysis Request

Attn: RICHARD Gondola  
 Company: ENGSO  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Bill To: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Sample ID: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Mat. Preserv. \_\_\_\_\_

TPH EPA 8260B  Gas w/  BTEX  MTBE  
 TEPH EPA 8015M\*  Silica Gel  Diesel  Motor Oil  Other \_\_\_\_\_  
 EPA 8260B:  Gas  BTEX  
 5 Oxygenates  DCA, EDB  Ethanol  
 (HVOcs) EPA 8021 by 8260B  
 Volatile Organics GC/MS (VOCs)  
 EPA 8260B  624  
 Semivolatiles GC/MS  
 EPA 8270  625  
 Oil and Grease  Petroleum (EPA 1664)  Total  
 Pesticides  EPA 8081  608  
 PCBs  EPA 8082  608  
 PNAs by  8270  8310  
 CAM17 Metals (EPA 6010/7470/7471)  
 Metals:  Lead  LUFT  RCRA  Other: \_\_\_\_\_  
 Low Level Metals by EPA 200.8/6020 (ICP-MS): \_\_\_\_\_  
 W.E.T (STLC)  TCLP  
 Hexavalent Chromium  pH (24h hold time for H<sub>2</sub>O)  
 Spec. Cond.  Alkalinity  TSS  TDS  
 Anions:  Cl  SO<sub>4</sub>  NO<sub>3</sub>  F  Br  NO<sub>2</sub>  PO<sub>4</sub>

Sample ID	Date	Time	Mat. Preserv.	TPH EPA 8260B	TEPH EPA 8015M*	EPA 8260B	(HVOcs) EPA 8021	Volatile Organics GC/MS	Semivolatiles GC/MS	Oil and Grease	Pesticides	PCBs	PNAs	CAM17 Metals	Metals	Low Level Metals	W.E.T / TCLP	Hexavalent Chromium / pH	Spec. Cond. / Alkalinity / TSS / TDS	Anions	Number of Containers
Deep	7/2/11		UN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>												5
Shallow	7/3/11		UN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>												5

**Project Info**  
 Project Name: Micoedo (off site)  
 Project#: 7380,000,003  
 PO#: \_\_\_\_\_  
 Credit Card#: \_\_\_\_\_

**Sample Receipt**  
 # of Containers: \_\_\_\_\_  
 Head Space: \_\_\_\_\_  
 Temp: 2.80  
 Conforms to record:

**Relinquished by:**  
 1) Relinquished by: [Signature] Time: 17:20  
 Signature: Richard Gondola Date: 7/15/11  
 Printed Name: RICHARD GONDOLA  
 Company: ENGSO

**Relinquished by:**  
 2) Relinquished by: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Relinquished by:**  
 3) Relinquished by: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Received by:**  
 1) Received by: [Signature] Time: 7-13-11  
 Signature: [Signature] Date: 7-13-11  
 Printed Name: [Signature]  
 Company: [Signature]

**Received by:**  
 2) Received by: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Received by:**  
 3) Received by: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Company: \_\_\_\_\_

Report:  Routine  Level 3  Level 4  EDD  State Tank  
 Fund ED: \_\_\_\_\_  
 Special Instructions / Comments: Gas (GC/MS) Global ID: \_\_\_\_\_

See Terms and Conditions on reverse  
 TestAmerica SF reports 8015M from C<sub>1</sub>-C<sub>24</sub> (Industry norm). Default for 8015B is C<sub>1</sub>-C<sub>24</sub>  
 Rav09/09

## Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-36241-1

Login Number: 36241

List Source: TestAmerica San Francisco

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

**Appendix D**

Air Toxics, Ltd.  
July 2011 Laboratory Report



7/27/2011

Mr. Morgan Johnson  
Engeo Inc.  
2213 Plaza Dr.

Rocklin CA 95765

Project Name: 1000 N Vasco Rd  
Project #: 7380000003  
Workorder #: 1107239A

Dear Mr. Morgan Johnson

The following report includes the data for the above referenced project for sample(s) received on 7/15/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner  
Project Manager

**WORK ORDER #: 1107239A**

Work Order Summary

<b>CLIENT:</b>	Mr. Morgan Johnson Engeo Inc. 2213 Plaza Dr. Rocklin, CA 95765	<b>BILL TO:</b>	Mr. Morgan Johnson Engeo Inc. 2213 Plaza Dr. Rocklin, CA 95765
<b>PHONE:</b>	916-786-8883	<b>P.O. #</b>	7380000003
<b>FAX:</b>	916-786-7891	<b>PROJECT #</b>	7380000003 1000 N Vasco Rd
<b>DATE RECEIVED:</b>	07/15/2011	<b>CONTACT:</b>	Kelly Buettner
<b>DATE COMPLETED:</b>	07/27/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SG-12	Modified TO-15	6.2 "Hg	15 psi
02A	SG-1	Modified TO-15	6.6 "Hg	15 psi
03A	SG-2	Modified TO-15	6.4 "Hg	15 psi
04A	SG-11	Modified TO-15	13.0 "Hg	15 psi
05A	SG-3	Modified TO-15	19.0 "Hg	15 psi
06A	SG-8	Modified TO-15	7.2 "Hg	15 psi
07A	SG-7	Modified TO-15	5.4 "Hg	15 psi
08A	SG-10	Modified TO-15	22.4 "Hg	15 psi
09A	SG-9	Modified TO-15	2.4 "Hg	15 psi
10A	SG-4	Modified TO-15	15.0 "Hg	15 psi
11A	SG-5	Modified TO-15	20.4 "Hg	15 psi
12A	SG-6	Modified TO-15	5.6 "Hg	15 psi
13A	Lab Blank	Modified TO-15	NA	NA
14A	CCV	Modified TO-15	NA	NA
15A	LCS	Modified TO-15	NA	NA
15AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 07/27/11

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,  
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,  
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE  
EPA Method TO-15  
Engeo Inc.  
Workorder# 1107239A**

Twelve 1 Liter Summa Canister samples were received on July 15, 2011. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

**Receiving Notes**

Samples SG-3, SG-10, and SG-5 were received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

**Analytical Notes**

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Dilution was performed on samples SG-11, SG-10, SG-4, and SG-5 due to the presence of high level target species.

Dilution was performed on sample SG-6 due to the presence of high level non-target species.

All Quality Control Limit exceedences and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

**Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG-12**

**Lab ID#: 1107239A-01A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Ethanol	5.1	8.1	9.6	15
Methyl tert-butyl ether	1.3	25	4.6	92
Cyclohexane	1.3	3.2	4.4	11
2,2,4-Trimethylpentane	1.3	1.6	6.0	7.4
Trichloroethene	1.3	4.7	6.8	25
1,1-Difluoroethane	5.1	290	14	790

**Client Sample ID: SG-1**

**Lab ID#: 1107239A-02A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 11	1.3	18	7.3	100
Acetone	5.2	12	12	29
Hexane	1.3	7.2	4.6	25
Cyclohexane	1.3	11	4.4	38
Benzene	1.3	16	4.1	53
Heptane	1.3	2.1	5.3	8.6
Toluene	1.3	12	4.9	45
Ethyl Benzene	1.3	9.3	5.6	40
m,p-Xylene	1.3	12	5.6	54
o-Xylene	1.3	23	5.6	100
Propylbenzene	1.3	1.8	6.4	8.8
4-Ethyltoluene	1.3	5.3	6.4	26
1,3,5-Trimethylbenzene	1.3	5.4	6.4	26
1,2,4-Trimethylbenzene	1.3	5.5	6.4	27

**Client Sample ID: SG-2**

**Lab ID#: 1107239A-03A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Bromomethane	1.3	1.6	5.0	6.4

**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG-2**

**Lab ID#: 1107239A-03A**

Acetone	5.1	6.6	12	16
Carbon Disulfide	5.1	100	16	320
Methyl tert-butyl ether	1.3	18	4.6	65
Cyclohexane	1.3	100	4.4	360
2,2,4-Trimethylpentane	1.3	19	6.0	91
Trichloroethene	1.3	4.1	6.9	22

**Client Sample ID: SG-11**

**Lab ID#: 1107239A-04A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Carbon Disulfide	9.5	180	30	550
Methyl tert-butyl ether	2.4	3.1	8.6	11
Cyclohexane	2.4	590	8.2	2000
Trichloroethene	2.4	4.5	13	24
Toluene	2.4	2.6	8.9	9.8

**Client Sample ID: SG-3**

**Lab ID#: 1107239A-05A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Acetone	11	13	26	30
Carbon Disulfide	11	410	34	1300
Methyl tert-butyl ether	2.8	60	9.9	220
Cyclohexane	2.8	55	9.5	190
Trichloroethene	2.8	19	15	100

**Client Sample ID: SG-8**

**Lab ID#: 1107239A-06A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Ethanol	5.3	16	10	30
Acetone	5.3	6.8	13	16

**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG-8**

**Lab ID#: 1107239A-06A**

Carbon Disulfide	5.3	50	16	160
Methyl tert-butyl ether	1.3	4.4	4.8	16
Cyclohexane	1.3	58	4.6	200
Trichloroethene	1.3	3.2	7.1	17
Toluene	1.3	1.4	5.0	5.5
1,1-Difluoroethane	5.3	570 E	14	1600 E

**Client Sample ID: SG-7**

**Lab ID#: 1107239A-07A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Carbon Disulfide	4.9	6.1	15	19
Methyl tert-butyl ether	1.2	1.3	4.4	4.8
Chloroform	1.2	2.9	6.0	14
Cyclohexane	1.2	40	4.2	140
Trichloroethene	1.2	24	6.6	130
Tetrachloroethene	1.2	1.8	8.3	12

**Client Sample ID: SG-10**

**Lab ID#: 1107239A-08A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Bromomethane	7.2	14	28	55
Ethanol	29	64	55	120
Carbon Disulfide	29	190	90	600
Methyl tert-butyl ether	7.2	120	26	440
Cyclohexane	7.2	1900	25	6400
1,1-Difluoroethane	29	130	78	350

**Client Sample ID: SG-9**

**Lab ID#: 1107239A-09A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
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**Summary of Detected Compounds  
EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG-9**

**Lab ID#: 1107239A-09A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Carbon Disulfide	4.4	8.8	14	28
Cyclohexane	1.1	8.6	3.8	30
Tetrachloroethene	1.1	2.7	7.5	18

**Client Sample ID: SG-4**

**Lab ID#: 1107239A-10A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Carbon Disulfide	16	370	50	1200
Methyl tert-butyl ether	4.0	93	14	330
Hexane	4.0	20	14	70
Cyclohexane	4.0	1200	14	4200
Benzene	4.0	6.9	13	22
Heptane	4.0	6.6	16	27
Toluene	4.0	4.7	15	18
m,p-Xylene	4.0	9.3	18	40

**Client Sample ID: SG-5**

**Lab ID#: 1107239A-11A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Carbon Disulfide	19	45	60	140
Methyl tert-butyl ether	4.8	5.5	18	20
Hexane	4.8	22	17	78
Cyclohexane	4.8	1100	17	3800
2,2,4-Trimethylpentane	4.8	3000 E	23	14000 E
Benzene	4.8	5.8	16	18

**Client Sample ID: SG-6**

**Lab ID#: 1107239A-12A**



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**Summary of Detected Compounds**  
**EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG-6**

**Lab ID#: 1107239A-12A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Cyclohexane	5.0	9.0	17	31
2,2,4-Trimethylpentane	5.0	26	23	120

Client Sample ID: SG-12

Lab ID#: 1107239A-01A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072108</b>	<b>Date of Collection:</b> 7/13/11 2:03:00 PM
<b>Dil. Factor:</b>	<b>2.55</b>	<b>Date of Analysis:</b> 7/21/11 10:36 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.3	Not Detected	6.3	Not Detected
Freon 114	1.3	Not Detected	8.9	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	5.0	Not Detected
Chloroethane	5.1	Not Detected	13	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	5.1	8.1	9.6	15
Freon 113	1.3	Not Detected	9.8	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	Not Detected	12	Not Detected
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	5.1	Not Detected	16	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	25	4.6	92
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.1	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	3.2	4.4	11
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	1.6	6.0	7.4
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	4.7	6.8	25
1,2-Dichloropropane	1.3	Not Detected	5.9	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected

Client Sample ID: SG-12

Lab ID#: 1107239A-01A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072108</b>	<b>Date of Collection:</b> 7/13/11 2:03:00 PM
<b>Dil. Factor:</b>	<b>2.55</b>	<b>Date of Analysis:</b> 7/21/11 10:36 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.8	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.3	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	Not Detected	6.3	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.6	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected
1,1-Difluoroethane	5.1	290	14	790

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SG-1

Lab ID#: 1107239A-02A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072109</b>	<b>Date of Collection:</b> 7/13/11 2:32:00 PM
<b>Dil. Factor:</b>	<b>2.59</b>	<b>Date of Analysis:</b> 7/21/11 11:04 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.3	Not Detected	6.4	Not Detected
Freon 114	1.3	Not Detected	9.0	Not Detected
Chloromethane	5.2	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Bromomethane	1.3	Not Detected	5.0	Not Detected
Chloroethane	5.2	Not Detected	14	Not Detected
Freon 11	1.3	18	7.3	100
Ethanol	5.2	Not Detected	9.8	Not Detected
Freon 113	1.3	Not Detected	9.9	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Acetone	5.2	12	12	29
2-Propanol	5.2	Not Detected	13	Not Detected
Carbon Disulfide	5.2	Not Detected	16	Not Detected
3-Chloropropene	5.2	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.7	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	7.2	4.6	25
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.2	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.1	Not Detected
Cyclohexane	1.3	11	4.4	38
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Benzene	1.3	16	4.1	53
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	2.1	5.3	8.6
Trichloroethene	1.3	Not Detected	7.0	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.0	Not Detected
1,4-Dioxane	5.2	Not Detected	19	Not Detected
Bromodichloromethane	1.3	Not Detected	8.7	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	1.3	12	4.9	45
trans-1,3-Dichloropropene	1.3	Not Detected	5.9	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.1	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected

Client Sample ID: SG-1

Lab ID#: 1107239A-02A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072109</b>	<b>Date of Collection:</b> 7/13/11 2:32:00 PM
<b>Dil. Factor:</b>	<b>2.59</b>	<b>Date of Analysis:</b> 7/21/11 11:04 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	5.2	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.0	Not Detected
Ethyl Benzene	1.3	9.3	5.6	40
m,p-Xylene	1.3	12	5.6	54
o-Xylene	1.3	23	5.6	100
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.4	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.9	Not Detected
Propylbenzene	1.3	1.8	6.4	8.8
4-Ethyltoluene	1.3	5.3	6.4	26
1,3,5-Trimethylbenzene	1.3	5.4	6.4	26
1,2,4-Trimethylbenzene	1.3	5.5	6.4	27
1,3-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.7	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected	38	Not Detected
Hexachlorobutadiene	5.2	Not Detected	55	Not Detected
1,1-Difluoroethane	5.2	Not Detected	14	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: SG-2

Lab ID#: 1107239A-03A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072110</b>	<b>Date of Collection:</b> 7/13/11 3:45:00 PM
<b>Dil. Factor:</b>	<b>2.57</b>	<b>Date of Analysis:</b> 7/21/11 11:36 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.3	Not Detected	6.4	Not Detected
Freon 114	1.3	Not Detected	9.0	Not Detected
Chloromethane	5.1	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	1.6	5.0	6.4
Chloroethane	5.1	Not Detected	14	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	5.1	Not Detected	9.7	Not Detected
Freon 113	1.3	Not Detected	9.8	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Acetone	5.1	6.6	12	16
2-Propanol	5.1	Not Detected	13	Not Detected
Carbon Disulfide	5.1	100	16	320
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
Methyl tert-butyl ether	1.3	18	4.6	65
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.1	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	100	4.4	360
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	19	6.0	91
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.3	Not Detected
Trichloroethene	1.3	4.1	6.9	22
1,2-Dichloropropane	1.3	Not Detected	5.9	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.6	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.7	Not Detected

Client Sample ID: SG-2

Lab ID#: 1107239A-03A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072110</b>	<b>Date of Collection:</b> 7/13/11 3:45:00 PM
<b>Dil. Factor:</b>	<b>2.57</b>	<b>Date of Analysis:</b> 7/21/11 11:36 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.9	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.3	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	Not Detected	6.3	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.6	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	55	Not Detected
1,1-Difluoroethane	5.1	Not Detected	14	Not Detected

**Container Type: 1 Liter Summa Canister**

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SG-11

Lab ID#: 1107239A-04A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072111</b>	<b>Date of Collection:</b> 7/13/11 5:00:00 PM
<b>Dil. Factor:</b>	<b>4.75</b>	<b>Date of Analysis:</b> 7/21/11 12:15 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	2.4	Not Detected	12	Not Detected
Freon 114	2.4	Not Detected	17	Not Detected
Chloromethane	9.5	Not Detected	20	Not Detected
Vinyl Chloride	2.4	Not Detected	6.1	Not Detected
1,3-Butadiene	2.4	Not Detected	5.2	Not Detected
Bromomethane	2.4	Not Detected	9.2	Not Detected
Chloroethane	9.5	Not Detected	25	Not Detected
Freon 11	2.4	Not Detected	13	Not Detected
Ethanol	9.5	Not Detected	18	Not Detected
Freon 113	2.4	Not Detected	18	Not Detected
1,1-Dichloroethene	2.4	Not Detected	9.4	Not Detected
Acetone	9.5	Not Detected	22	Not Detected
2-Propanol	9.5	Not Detected	23	Not Detected
Carbon Disulfide	9.5	180	30	550
3-Chloropropene	9.5	Not Detected	30	Not Detected
Methylene Chloride	2.4	Not Detected	8.2	Not Detected
Methyl tert-butyl ether	2.4	3.1	8.6	11
trans-1,2-Dichloroethene	2.4	Not Detected	9.4	Not Detected
Hexane	2.4	Not Detected	8.4	Not Detected
1,1-Dichloroethane	2.4	Not Detected	9.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	9.5	Not Detected	28	Not Detected
cis-1,2-Dichloroethene	2.4	Not Detected	9.4	Not Detected
Tetrahydrofuran	2.4	Not Detected	7.0	Not Detected
Chloroform	2.4	Not Detected	12	Not Detected
1,1,1-Trichloroethane	2.4	Not Detected	13	Not Detected
Cyclohexane	2.4	590	8.2	2000
Carbon Tetrachloride	2.4	Not Detected	15	Not Detected
2,2,4-Trimethylpentane	2.4	Not Detected	11	Not Detected
Benzene	2.4	Not Detected	7.6	Not Detected
1,2-Dichloroethane	2.4	Not Detected	9.6	Not Detected
Heptane	2.4	Not Detected	9.7	Not Detected
Trichloroethene	2.4	4.5	13	24
1,2-Dichloropropane	2.4	Not Detected	11	Not Detected
1,4-Dioxane	9.5	Not Detected	34	Not Detected
Bromodichloromethane	2.4	Not Detected	16	Not Detected
cis-1,3-Dichloropropene	2.4	Not Detected	11	Not Detected
4-Methyl-2-pentanone	2.4	Not Detected	9.7	Not Detected
Toluene	2.4	2.6	8.9	9.8
trans-1,3-Dichloropropene	2.4	Not Detected	11	Not Detected
1,1,2-Trichloroethane	2.4	Not Detected	13	Not Detected
Tetrachloroethene	2.4	Not Detected	16	Not Detected



Client Sample ID: SG-11

Lab ID#: 1107239A-04A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072111</b>	<b>Date of Collection:</b> 7/13/11 5:00:00 PM
<b>Dil. Factor:</b>	<b>4.75</b>	<b>Date of Analysis:</b> 7/21/11 12:15 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	9.5	Not Detected	39	Not Detected
Dibromochloromethane	2.4	Not Detected	20	Not Detected
1,2-Dibromoethane (EDB)	2.4	Not Detected	18	Not Detected
Chlorobenzene	2.4	Not Detected	11	Not Detected
Ethyl Benzene	2.4	Not Detected	10	Not Detected
m,p-Xylene	2.4	Not Detected	10	Not Detected
o-Xylene	2.4	Not Detected	10	Not Detected
Styrene	2.4	Not Detected	10	Not Detected
Bromoform	2.4	Not Detected	24	Not Detected
Cumene	2.4	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.4	Not Detected	16	Not Detected
Propylbenzene	2.4	Not Detected	12	Not Detected
4-Ethyltoluene	2.4	Not Detected	12	Not Detected
1,3,5-Trimethylbenzene	2.4	Not Detected	12	Not Detected
1,2,4-Trimethylbenzene	2.4	Not Detected	12	Not Detected
1,3-Dichlorobenzene	2.4	Not Detected	14	Not Detected
1,4-Dichlorobenzene	2.4	Not Detected	14	Not Detected
alpha-Chlorotoluene	2.4	Not Detected	12	Not Detected
1,2-Dichlorobenzene	2.4	Not Detected	14	Not Detected
1,2,4-Trichlorobenzene	9.5	Not Detected	70	Not Detected
Hexachlorobutadiene	9.5	Not Detected	100	Not Detected
1,1-Difluoroethane	9.5	Not Detected	26	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SG-3

Lab ID#: 1107239A-05A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072112</b>	<b>Date of Collection:</b> 7/13/11 5:45:00 PM
<b>Dil. Factor:</b>	<b>5.51</b>	<b>Date of Analysis:</b> 7/21/11 12:50 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	2.8	Not Detected	14	Not Detected
Freon 114	2.8	Not Detected	19	Not Detected
Chloromethane	11	Not Detected	23	Not Detected
Vinyl Chloride	2.8	Not Detected	7.0	Not Detected
1,3-Butadiene	2.8	Not Detected	6.1	Not Detected
Bromomethane	2.8	Not Detected	11	Not Detected
Chloroethane	11	Not Detected	29	Not Detected
Freon 11	2.8	Not Detected	15	Not Detected
Ethanol	11	Not Detected	21	Not Detected
Freon 113	2.8	Not Detected	21	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Acetone	11	13	26	30
2-Propanol	11	Not Detected	27	Not Detected
Carbon Disulfide	11	410	34	1300
3-Chloropropene	11	Not Detected	34	Not Detected
Methylene Chloride	2.8	Not Detected	9.6	Not Detected
Methyl tert-butyl ether	2.8	60	9.9	220
trans-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
Hexane	2.8	Not Detected	9.7	Not Detected
1,1-Dichloroethane	2.8	Not Detected	11	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	32	Not Detected
cis-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
Tetrahydrofuran	2.8	Not Detected	8.1	Not Detected
Chloroform	2.8	Not Detected	13	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	15	Not Detected
Cyclohexane	2.8	55	9.5	190
Carbon Tetrachloride	2.8	Not Detected	17	Not Detected
2,2,4-Trimethylpentane	2.8	Not Detected	13	Not Detected
Benzene	2.8	Not Detected	8.8	Not Detected
1,2-Dichloroethane	2.8	Not Detected	11	Not Detected
Heptane	2.8	Not Detected	11	Not Detected
Trichloroethene	2.8	19	15	100
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
1,4-Dioxane	11	Not Detected	40	Not Detected
Bromodichloromethane	2.8	Not Detected	18	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	12	Not Detected
4-Methyl-2-pentanone	2.8	Not Detected	11	Not Detected
Toluene	2.8	Not Detected	10	Not Detected
trans-1,3-Dichloropropene	2.8	Not Detected	12	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	15	Not Detected
Tetrachloroethene	2.8	Not Detected	19	Not Detected

Client Sample ID: SG-3

Lab ID#: 1107239A-05A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072112</b>	<b>Date of Collection:</b> 7/13/11 5:45:00 PM
<b>Dil. Factor:</b>	<b>5.51</b>	<b>Date of Analysis:</b> 7/21/11 12:50 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	11	Not Detected	45	Not Detected
Dibromochloromethane	2.8	Not Detected	23	Not Detected
1,2-Dibromoethane (EDB)	2.8	Not Detected	21	Not Detected
Chlorobenzene	2.8	Not Detected	13	Not Detected
Ethyl Benzene	2.8	Not Detected	12	Not Detected
m,p-Xylene	2.8	Not Detected	12	Not Detected
o-Xylene	2.8	Not Detected	12	Not Detected
Styrene	2.8	Not Detected	12	Not Detected
Bromoform	2.8	Not Detected	28	Not Detected
Cumene	2.8	Not Detected	14	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	19	Not Detected
Propylbenzene	2.8	Not Detected	14	Not Detected
4-Ethyltoluene	2.8	Not Detected	14	Not Detected
1,3,5-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,2,4-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,3-Dichlorobenzene	2.8	Not Detected	16	Not Detected
1,4-Dichlorobenzene	2.8	Not Detected	16	Not Detected
alpha-Chlorotoluene	2.8	Not Detected	14	Not Detected
1,2-Dichlorobenzene	2.8	Not Detected	16	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	82	Not Detected
Hexachlorobutadiene	11	Not Detected	120	Not Detected
1,1-Difluoroethane	11	Not Detected	30	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SG-8

Lab ID#: 1107239A-06A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072113</b>	<b>Date of Collection:</b> 7/14/11 10:15:00 AM
<b>Dil. Factor:</b>	<b>2.66</b>	<b>Date of Analysis:</b> 7/21/11 01:39 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.3	Not Detected	6.6	Not Detected
Freon 114	1.3	Not Detected	9.3	Not Detected
Chloromethane	5.3	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Bromomethane	1.3	Not Detected	5.2	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
Freon 11	1.3	Not Detected	7.5	Not Detected
Ethanol	5.3	16	10	30
Freon 113	1.3	Not Detected	10	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Acetone	5.3	6.8	13	16
2-Propanol	5.3	Not Detected	13	Not Detected
Carbon Disulfide	5.3	50	16	160
3-Chloropropene	5.3	Not Detected	17	Not Detected
Methylene Chloride	1.3	Not Detected	4.6	Not Detected
Methyl tert-butyl ether	1.3	4.4	4.8	16
trans-1,2-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Hexane	1.3	Not Detected	4.7	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.3	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.9	Not Detected
Chloroform	1.3	Not Detected	6.5	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Cyclohexane	1.3	58	4.6	200
Carbon Tetrachloride	1.3	Not Detected	8.4	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.2	Not Detected
Benzene	1.3	Not Detected	4.2	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.4	Not Detected
Heptane	1.3	Not Detected	5.4	Not Detected
Trichloroethene	1.3	3.2	7.1	17
1,2-Dichloropropane	1.3	Not Detected	6.1	Not Detected
1,4-Dioxane	5.3	Not Detected	19	Not Detected
Bromodichloromethane	1.3	Not Detected	8.9	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.4	Not Detected
Toluene	1.3	1.4	5.0	5.5
trans-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Tetrachloroethene	1.3	Not Detected	9.0	Not Detected

Client Sample ID: SG-8

Lab ID#: 1107239A-06A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072113</b>	<b>Date of Collection:</b> 7/14/11 10:15:00 AM
<b>Dil. Factor:</b>	<b>2.66</b>	<b>Date of Analysis:</b> 7/21/11 01:39 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	5.3	Not Detected	22	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.1	Not Detected
Ethyl Benzene	1.3	Not Detected	5.8	Not Detected
m,p-Xylene	1.3	Not Detected	5.8	Not Detected
o-Xylene	1.3	Not Detected	5.8	Not Detected
Styrene	1.3	Not Detected	5.7	Not Detected
Bromoform	1.3	Not Detected	14	Not Detected
Cumene	1.3	Not Detected	6.5	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.1	Not Detected
Propylbenzene	1.3	Not Detected	6.5	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.5	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	8.0	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	8.0	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.9	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	8.0	Not Detected
1,2,4-Trichlorobenzene	5.3	Not Detected	39	Not Detected
Hexachlorobutadiene	5.3	Not Detected	57	Not Detected
1,1-Difluoroethane	5.3	570 E	14	1600 E

E = Exceeds instrument calibration range.

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SG-7

Lab ID#: 1107239A-07A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072114</b>	<b>Date of Collection:</b> 7/14/11 11:00:00 AM
<b>Dil. Factor:</b>	<b>2.46</b>	<b>Date of Analysis:</b> 7/21/11 02:20 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.6	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.8	Not Detected
Chloroethane	4.9	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Ethanol	4.9	Not Detected	9.3	Not Detected
Freon 113	1.2	Not Detected	9.4	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	4.9	Not Detected	12	Not Detected
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	4.9	6.1	15	19
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.3	Not Detected
Methyl tert-butyl ether	1.2	1.3	4.4	4.8
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.9	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	2.9	6.0	14
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Cyclohexane	1.2	40	4.2	140
Carbon Tetrachloride	1.2	Not Detected	7.7	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.7	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	24	6.6	130
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.2	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	1.8	8.3	12

Client Sample ID: SG-7

Lab ID#: 1107239A-07A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072114</b>	<b>Date of Collection:</b> 7/14/11 11:00:00 AM
<b>Dil. Factor:</b>	<b>2.46</b>	<b>Date of Analysis:</b> 7/21/11 02:20 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	4.9	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.4	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.3	Not Detected
m,p-Xylene	1.2	Not Detected	5.3	Not Detected
o-Xylene	1.2	Not Detected	5.3	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.4	Not Detected
Propylbenzene	1.2	Not Detected	6.0	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.0	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	36	Not Detected
Hexachlorobutadiene	4.9	Not Detected	52	Not Detected
1,1-Difluoroethane	4.9	Not Detected	13	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: SG-10

Lab ID#: 1107239A-08A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072115</b>	<b>Date of Collection:</b> 7/14/11 12:30:00 PM
<b>Dil. Factor:</b>	<b>14.5</b>	<b>Date of Analysis:</b> 7/21/11 02:52 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	7.2	Not Detected	36	Not Detected
Freon 114	7.2	Not Detected	51	Not Detected
Chloromethane	29	Not Detected	60	Not Detected
Vinyl Chloride	7.2	Not Detected	18	Not Detected
1,3-Butadiene	7.2	Not Detected	16	Not Detected
Bromomethane	7.2	14	28	55
Chloroethane	29	Not Detected	76	Not Detected
Freon 11	7.2	Not Detected	41	Not Detected
Ethanol	29	64	55	120
Freon 113	7.2	Not Detected	56	Not Detected
1,1-Dichloroethene	7.2	Not Detected	29	Not Detected
Acetone	29	Not Detected	69	Not Detected
2-Propanol	29	Not Detected	71	Not Detected
Carbon Disulfide	29	190	90	600
3-Chloropropene	29	Not Detected	91	Not Detected
Methylene Chloride	7.2	Not Detected	25	Not Detected
Methyl tert-butyl ether	7.2	120	26	440
trans-1,2-Dichloroethene	7.2	Not Detected	29	Not Detected
Hexane	7.2	Not Detected	26	Not Detected
1,1-Dichloroethane	7.2	Not Detected	29	Not Detected
2-Butanone (Methyl Ethyl Ketone)	29	Not Detected	86	Not Detected
cis-1,2-Dichloroethene	7.2	Not Detected	29	Not Detected
Tetrahydrofuran	7.2	Not Detected	21	Not Detected
Chloroform	7.2	Not Detected	35	Not Detected
1,1,1-Trichloroethane	7.2	Not Detected	40	Not Detected
Cyclohexane	7.2	1900	25	6400
Carbon Tetrachloride	7.2	Not Detected	46	Not Detected
2,2,4-Trimethylpentane	7.2	Not Detected	34	Not Detected
Benzene	7.2	Not Detected	23	Not Detected
1,2-Dichloroethane	7.2	Not Detected	29	Not Detected
Heptane	7.2	Not Detected	30	Not Detected
Trichloroethene	7.2	Not Detected	39	Not Detected
1,2-Dichloropropane	7.2	Not Detected	34	Not Detected
1,4-Dioxane	29	Not Detected	100	Not Detected
Bromodichloromethane	7.2	Not Detected	48	Not Detected
cis-1,3-Dichloropropene	7.2	Not Detected	33	Not Detected
4-Methyl-2-pentanone	7.2	Not Detected	30	Not Detected
Toluene	7.2	Not Detected	27	Not Detected
trans-1,3-Dichloropropene	7.2	Not Detected	33	Not Detected
1,1,2-Trichloroethane	7.2	Not Detected	40	Not Detected
Tetrachloroethene	7.2	Not Detected	49	Not Detected



Client Sample ID: SG-10

Lab ID#: 1107239A-08A

**EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	p072115	Date of Collection: 7/14/11 12:30:00 PM
Dil. Factor:	14.5	Date of Analysis: 7/21/11 02:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Hexanone	29	Not Detected	120	Not Detected
Dibromochloromethane	7.2	Not Detected	62	Not Detected
1,2-Dibromoethane (EDB)	7.2	Not Detected	56	Not Detected
Chlorobenzene	7.2	Not Detected	33	Not Detected
Ethyl Benzene	7.2	Not Detected	31	Not Detected
m,p-Xylene	7.2	Not Detected	31	Not Detected
o-Xylene	7.2	Not Detected	31	Not Detected
Styrene	7.2	Not Detected	31	Not Detected
Bromoform	7.2	Not Detected	75	Not Detected
Cumene	7.2	Not Detected	36	Not Detected
1,1,2,2-Tetrachloroethane	7.2	Not Detected	50	Not Detected
Propylbenzene	7.2	Not Detected	36	Not Detected
4-Ethyltoluene	7.2	Not Detected	36	Not Detected
1,3,5-Trimethylbenzene	7.2	Not Detected	36	Not Detected
1,2,4-Trimethylbenzene	7.2	Not Detected	36	Not Detected
1,3-Dichlorobenzene	7.2	Not Detected	44	Not Detected
1,4-Dichlorobenzene	7.2	Not Detected	44	Not Detected
alpha-Chlorotoluene	7.2	Not Detected	38	Not Detected
1,2-Dichlorobenzene	7.2	Not Detected	44	Not Detected
1,2,4-Trichlorobenzene	29	Not Detected	220	Not Detected
Hexachlorobutadiene	29	Not Detected	310	Not Detected
1,1-Difluoroethane	29	130	78	350

**Container Type: 1 Liter Summa Canister**

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: SG-9

Lab ID#: 1107239A-09A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072116</b>	<b>Date of Collection:</b> 7/14/11 1:05:00 PM
<b>Dil. Factor:</b>	<b>2.20</b>	<b>Date of Analysis:</b> 7/21/11 03:46 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	1.1	Not Detected	5.4	Not Detected
Freon 114	1.1	Not Detected	7.7	Not Detected
Chloromethane	4.4	Not Detected	9.1	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	4.4	Not Detected	12	Not Detected
Freon 11	1.1	Not Detected	6.2	Not Detected
Ethanol	4.4	Not Detected	8.3	Not Detected
Freon 113	1.1	Not Detected	8.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.4	Not Detected	10	Not Detected
2-Propanol	4.4	Not Detected	11	Not Detected
Carbon Disulfide	4.4	8.8	14	28
3-Chloropropene	4.4	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Cyclohexane	1.1	8.6	3.8	30
Carbon Tetrachloride	1.1	Not Detected	6.9	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.1	Not Detected
1,4-Dioxane	4.4	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.4	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	2.7	7.5	18

Client Sample ID: SG-9

Lab ID#: 1107239A-09A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072116</b>	<b>Date of Collection:</b> 7/14/11 1:05:00 PM
<b>Dil. Factor:</b>	<b>2.20</b>	<b>Date of Analysis:</b> 7/21/11 03:46 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	4.4	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.4	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.7	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	4.4	Not Detected	33	Not Detected
Hexachlorobutadiene	4.4	Not Detected	47	Not Detected
1,1-Difluoroethane	4.4	Not Detected	12	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SG-4

Lab ID#: 1107239A-10A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072117</b>	<b>Date of Collection:</b> 7/14/11 2:35:00 PM
<b>Dil. Factor:</b>	<b>8.08</b>	<b>Date of Analysis:</b> 7/21/11 04:26 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	4.0	Not Detected	20	Not Detected
Freon 114	4.0	Not Detected	28	Not Detected
Chloromethane	16	Not Detected	33	Not Detected
Vinyl Chloride	4.0	Not Detected	10	Not Detected
1,3-Butadiene	4.0	Not Detected	8.9	Not Detected
Bromomethane	4.0	Not Detected	16	Not Detected
Chloroethane	16	Not Detected	43	Not Detected
Freon 11	4.0	Not Detected	23	Not Detected
Ethanol	16	Not Detected	30	Not Detected
Freon 113	4.0	Not Detected	31	Not Detected
1,1-Dichloroethene	4.0	Not Detected	16	Not Detected
Acetone	16	Not Detected	38	Not Detected
2-Propanol	16	Not Detected	40	Not Detected
Carbon Disulfide	16	370	50	1200
3-Chloropropene	16	Not Detected	50	Not Detected
Methylene Chloride	4.0	Not Detected	14	Not Detected
Methyl tert-butyl ether	4.0	93	14	330
trans-1,2-Dichloroethene	4.0	Not Detected	16	Not Detected
Hexane	4.0	20	14	70
1,1-Dichloroethane	4.0	Not Detected	16	Not Detected
2-Butanone (Methyl Ethyl Ketone)	16	Not Detected	48	Not Detected
cis-1,2-Dichloroethene	4.0	Not Detected	16	Not Detected
Tetrahydrofuran	4.0	Not Detected	12	Not Detected
Chloroform	4.0	Not Detected	20	Not Detected
1,1,1-Trichloroethane	4.0	Not Detected	22	Not Detected
Cyclohexane	4.0	1200	14	4200
Carbon Tetrachloride	4.0	Not Detected	25	Not Detected
2,2,4-Trimethylpentane	4.0	Not Detected	19	Not Detected
Benzene	4.0	6.9	13	22
1,2-Dichloroethane	4.0	Not Detected	16	Not Detected
Heptane	4.0	6.6	16	27
Trichloroethene	4.0	Not Detected	22	Not Detected
1,2-Dichloropropane	4.0	Not Detected	19	Not Detected
1,4-Dioxane	16	Not Detected	58	Not Detected
Bromodichloromethane	4.0	Not Detected	27	Not Detected
cis-1,3-Dichloropropene	4.0	Not Detected	18	Not Detected
4-Methyl-2-pentanone	4.0	Not Detected	16	Not Detected
Toluene	4.0	4.7	15	18
trans-1,3-Dichloropropene	4.0	Not Detected	18	Not Detected
1,1,2-Trichloroethane	4.0	Not Detected	22	Not Detected
Tetrachloroethene	4.0	Not Detected	27	Not Detected

Client Sample ID: SG-4

Lab ID#: 1107239A-10A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072117</b>	<b>Date of Collection:</b> 7/14/11 2:35:00 PM
<b>Dil. Factor:</b>	<b>8.08</b>	<b>Date of Analysis:</b> 7/21/11 04:26 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	16	Not Detected	66	Not Detected
Dibromochloromethane	4.0	Not Detected	34	Not Detected
1,2-Dibromoethane (EDB)	4.0	Not Detected	31	Not Detected
Chlorobenzene	4.0	Not Detected	18	Not Detected
Ethyl Benzene	4.0	Not Detected	18	Not Detected
m,p-Xylene	4.0	9.3	18	40
o-Xylene	4.0	Not Detected	18	Not Detected
Styrene	4.0	Not Detected	17	Not Detected
Bromoform	4.0	Not Detected	42	Not Detected
Cumene	4.0	Not Detected	20	Not Detected
1,1,2,2-Tetrachloroethane	4.0	Not Detected	28	Not Detected
Propylbenzene	4.0	Not Detected	20	Not Detected
4-Ethyltoluene	4.0	Not Detected	20	Not Detected
1,3,5-Trimethylbenzene	4.0	Not Detected	20	Not Detected
1,2,4-Trimethylbenzene	4.0	Not Detected	20	Not Detected
1,3-Dichlorobenzene	4.0	Not Detected	24	Not Detected
1,4-Dichlorobenzene	4.0	Not Detected	24	Not Detected
alpha-Chlorotoluene	4.0	Not Detected	21	Not Detected
1,2-Dichlorobenzene	4.0	Not Detected	24	Not Detected
1,2,4-Trichlorobenzene	16	Not Detected	120	Not Detected
Hexachlorobutadiene	16	Not Detected	170	Not Detected
1,1-Difluoroethane	16	Not Detected	44	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: SG-5

Lab ID#: 1107239A-11A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072118</b>	<b>Date of Collection:</b> 7/14/11 2:45:00 PM
<b>Dil. Factor:</b>	<b>9.71</b>	<b>Date of Analysis:</b> 7/21/11 05:00 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	4.8	Not Detected	24	Not Detected
Freon 114	4.8	Not Detected	34	Not Detected
Chloromethane	19	Not Detected	40	Not Detected
Vinyl Chloride	4.8	Not Detected	12	Not Detected
1,3-Butadiene	4.8	Not Detected	11	Not Detected
Bromomethane	4.8	Not Detected	19	Not Detected
Chloroethane	19	Not Detected	51	Not Detected
Freon 11	4.8	Not Detected	27	Not Detected
Ethanol	19	Not Detected	36	Not Detected
Freon 113	4.8	Not Detected	37	Not Detected
1,1-Dichloroethene	4.8	Not Detected	19	Not Detected
Acetone	19	Not Detected	46	Not Detected
2-Propanol	19	Not Detected	48	Not Detected
Carbon Disulfide	19	45	60	140
3-Chloropropene	19	Not Detected	61	Not Detected
Methylene Chloride	4.8	Not Detected	17	Not Detected
Methyl tert-butyl ether	4.8	5.5	18	20
trans-1,2-Dichloroethene	4.8	Not Detected	19	Not Detected
Hexane	4.8	22	17	78
1,1-Dichloroethane	4.8	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	19	Not Detected	57	Not Detected
cis-1,2-Dichloroethene	4.8	Not Detected	19	Not Detected
Tetrahydrofuran	4.8	Not Detected	14	Not Detected
Chloroform	4.8	Not Detected	24	Not Detected
1,1,1-Trichloroethane	4.8	Not Detected	26	Not Detected
Cyclohexane	4.8	1100	17	3800
Carbon Tetrachloride	4.8	Not Detected	30	Not Detected
2,2,4-Trimethylpentane	4.8	3000 E	23	14000 E
Benzene	4.8	5.8	16	18
1,2-Dichloroethane	4.8	Not Detected	20	Not Detected
Heptane	4.8	Not Detected	20	Not Detected
Trichloroethene	4.8	Not Detected	26	Not Detected
1,2-Dichloropropane	4.8	Not Detected	22	Not Detected
1,4-Dioxane	19	Not Detected	70	Not Detected
Bromodichloromethane	4.8	Not Detected	32	Not Detected
cis-1,3-Dichloropropene	4.8	Not Detected	22	Not Detected
4-Methyl-2-pentanone	4.8	Not Detected	20	Not Detected
Toluene	4.8	Not Detected	18	Not Detected
trans-1,3-Dichloropropene	4.8	Not Detected	22	Not Detected
1,1,2-Trichloroethane	4.8	Not Detected	26	Not Detected
Tetrachloroethene	4.8	Not Detected	33	Not Detected

Client Sample ID: SG-5

Lab ID#: 1107239A-11A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072118</b>	<b>Date of Collection:</b> 7/14/11 2:45:00 PM
<b>Dil. Factor:</b>	<b>9.71</b>	<b>Date of Analysis:</b> 7/21/11 05:00 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	19	Not Detected	80	Not Detected
Dibromochloromethane	4.8	Not Detected	41	Not Detected
1,2-Dibromoethane (EDB)	4.8	Not Detected	37	Not Detected
Chlorobenzene	4.8	Not Detected	22	Not Detected
Ethyl Benzene	4.8	Not Detected	21	Not Detected
m,p-Xylene	4.8	Not Detected	21	Not Detected
o-Xylene	4.8	Not Detected	21	Not Detected
Styrene	4.8	Not Detected	21	Not Detected
Bromoform	4.8	Not Detected	50	Not Detected
Cumene	4.8	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	4.8	Not Detected	33	Not Detected
Propylbenzene	4.8	Not Detected	24	Not Detected
4-Ethyltoluene	4.8	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	4.8	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	4.8	Not Detected	24	Not Detected
1,3-Dichlorobenzene	4.8	Not Detected	29	Not Detected
1,4-Dichlorobenzene	4.8	Not Detected	29	Not Detected
alpha-Chlorotoluene	4.8	Not Detected	25	Not Detected
1,2-Dichlorobenzene	4.8	Not Detected	29	Not Detected
1,2,4-Trichlorobenzene	19	Not Detected	140	Not Detected
Hexachlorobutadiene	19	Not Detected	210	Not Detected
1,1-Difluoroethane	19	Not Detected	52	Not Detected

E = Exceeds instrument calibration range.

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: SG-6

Lab ID#: 1107239A-12A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072119</b>	<b>Date of Collection:</b> 7/14/11 2:25:00 PM
<b>Dil. Factor:</b>	<b>9.92</b>	<b>Date of Analysis:</b> 7/21/11 05:52 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	5.0	Not Detected	24	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	20	Not Detected	52	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	37	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	47	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	20	Not Detected	62	Not Detected
3-Chloropropene	20	Not Detected	62	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	17	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	20	Not Detected	58	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	9.0	17	31
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	26	23	120
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	71	Not Detected
Bromodichloromethane	5.0	Not Detected	33	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	22	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	22	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected



Client Sample ID: SG-6

Lab ID#: 1107239A-12A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072119</b>	<b>Date of Collection:</b> 7/14/11 2:25:00 PM
<b>Dil. Factor:</b>	<b>9.92</b>	<b>Date of Analysis:</b> 7/21/11 05:52 PM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	20	Not Detected	81	Not Detected
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	51	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected
1,1-Difluoroethane	20	Not Detected	54	Not Detected

**Container Type: 1 Liter Summa Canister**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: Lab Blank

Lab ID#: 1107239A-13A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072107a</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 7/21/11 09:55 AM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Client Sample ID: Lab Blank

Lab ID#: 1107239A-13A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072107a</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 09:55 AM

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
1,1-Difluoroethane	2.0	Not Detected	5.4	Not Detected

Container Type: NA - Not Applicable

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	102	70-130

Client Sample ID: CCV

Lab ID#: 1107239A-14A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072102</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 06:57 AM

<b>Compound</b>	<b>%Recovery</b>
Freon 12	97
Freon 114	92
Chloromethane	84
Vinyl Chloride	85
1,3-Butadiene	82
Bromomethane	93
Chloroethane	83
Freon 11	99
Ethanol	85
Freon 113	91
1,1-Dichloroethene	90
Acetone	83
2-Propanol	84
Carbon Disulfide	83
3-Chloropropene	87
Methylene Chloride	85
Methyl tert-butyl ether	88
trans-1,2-Dichloroethene	90
Hexane	85
1,1-Dichloroethane	87
2-Butanone (Methyl Ethyl Ketone)	89
cis-1,2-Dichloroethene	86
Tetrahydrofuran	81
Chloroform	93
1,1,1-Trichloroethane	102
Cyclohexane	91
Carbon Tetrachloride	101
2,2,4-Trimethylpentane	88
Benzene	94
1,2-Dichloroethane	102
Heptane	96
Trichloroethene	96
1,2-Dichloropropane	91
1,4-Dioxane	96
Bromodichloromethane	102
cis-1,3-Dichloropropene	96
4-Methyl-2-pentanone	94
Toluene	97
trans-1,3-Dichloropropene	100
1,1,2-Trichloroethane	98
Tetrachloroethene	97

Client Sample ID: CCV

Lab ID#: 1107239A-14A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072102</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 06:57 AM

<b>Compound</b>	<b>%Recovery</b>
2-Hexanone	93
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	99
Chlorobenzene	97
Ethyl Benzene	100
m,p-Xylene	103
o-Xylene	103
Styrene	104
Bromoform	108
Cumene	108
1,1,2,2-Tetrachloroethane	96
Propylbenzene	107
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	109
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	95
Hexachlorobutadiene	102
1,1-Difluoroethane	72

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: LCS

Lab ID#: 1107239A-15A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072103</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 07:45 AM

<b>Compound</b>	<b>%Recovery</b>
Freon 12	88
Freon 114	84
Chloromethane	87
Vinyl Chloride	80
1,3-Butadiene	78
Bromomethane	87
Chloroethane	80
Freon 11	89
Ethanol	80
Freon 113	83
1,1-Dichloroethene	90
Acetone	76
2-Propanol	77
Carbon Disulfide	94
3-Chloropropene	93
Methylene Chloride	76
Methyl tert-butyl ether	84
trans-1,2-Dichloroethene	92
Hexane	79
1,1-Dichloroethane	79
2-Butanone (Methyl Ethyl Ketone)	84
cis-1,2-Dichloroethene	80
Tetrahydrofuran	72
Chloroform	84
1,1,1-Trichloroethane	91
Cyclohexane	85
Carbon Tetrachloride	90
2,2,4-Trimethylpentane	79
Benzene	88
1,2-Dichloroethane	91
Heptane	85
Trichloroethene	108
1,2-Dichloropropane	84
1,4-Dioxane	84
Bromodichloromethane	92
cis-1,3-Dichloropropene	88
4-Methyl-2-pentanone	85
Toluene	87
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	92
Tetrachloroethene	90

Client Sample ID: LCS

Lab ID#: 1107239A-15A

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072103</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 07:45 AM

<b>Compound</b>	<b>%Recovery</b>
2-Hexanone	88
Dibromochloromethane	94
1,2-Dibromoethane (EDB)	92
Chlorobenzene	93
Ethyl Benzene	94
m,p-Xylene	97
o-Xylene	98
Styrene	98
Bromoform	96
Cumene	101
1,1,2,2-Tetrachloroethane	71
Propylbenzene	100
4-Ethyltoluene	96
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	92
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	94
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	96
1,1-Difluoroethane	Not Spiked

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	107	70-130

Client Sample ID: LCSD

Lab ID#: 1107239A-15AA

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072104</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 08:20 AM

<b>Compound</b>	<b>%Recovery</b>
Freon 12	87
Freon 114	85
Chloromethane	86
Vinyl Chloride	81
1,3-Butadiene	77
Bromomethane	88
Chloroethane	81
Freon 11	88
Ethanol	72
Freon 113	84
1,1-Dichloroethene	89
Acetone	75
2-Propanol	77
Carbon Disulfide	95
3-Chloropropene	94
Methylene Chloride	76
Methyl tert-butyl ether	84
trans-1,2-Dichloroethene	93
Hexane	78
1,1-Dichloroethane	79
2-Butanone (Methyl Ethyl Ketone)	83
cis-1,2-Dichloroethene	81
Tetrahydrofuran	72
Chloroform	85
1,1,1-Trichloroethane	92
Cyclohexane	84
Carbon Tetrachloride	89
2,2,4-Trimethylpentane	80
Benzene	85
1,2-Dichloroethane	89
Heptane	86
Trichloroethene	107
1,2-Dichloropropane	83
1,4-Dioxane	84
Bromodichloromethane	89
cis-1,3-Dichloropropene	86
4-Methyl-2-pentanone	85
Toluene	86
trans-1,3-Dichloropropene	91
1,1,2-Trichloroethane	89
Tetrachloroethene	88



Client Sample ID: LCSD

Lab ID#: 1107239A-15AA

**EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	<b>p072104</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 7/21/11 08:20 AM

<b>Compound</b>	<b>%Recovery</b>
2-Hexanone	85
Dibromochloromethane	91
1,2-Dibromoethane (EDB)	91
Chlorobenzene	89
Ethyl Benzene	91
m,p-Xylene	95
o-Xylene	94
Styrene	95
Bromoform	93
Cumene	99
1,1,2,2-Tetrachloroethane	69 Q
Propylbenzene	97
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	91
1,4-Dichlorobenzene	89
alpha-Chlorotoluene	95
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	93
Hexachlorobutadiene	94
1,1-Difluoroethane	Not Spiked

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	108	70-130

7/28/2011  
Mr. Morgan Johnson  
Engeo Inc.  
2213 Plaza Dr.

Rocklin CA 95765

Project Name: 1000 N Vasco Rd  
Project #: 7380000003  
Workorder #: 1107239B

Dear Mr. Morgan Johnson

The following report includes the data for the above referenced project for sample(s) received on 7/15/2011 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 VI are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner  
Project Manager

**WORK ORDER #: 1107239B**

Work Order Summary

<b>CLIENT:</b>	Mr. Morgan Johnson Engeo Inc. 2213 Plaza Dr. Rocklin, CA 95765	<b>BILL TO:</b>	Mr. Morgan Johnson Engeo Inc. 2213 Plaza Dr. Rocklin, CA 95765
<b>PHONE:</b>	916-786-8883	<b>P.O. #</b>	7380000003
<b>FAX:</b>	916-786-7891	<b>PROJECT #</b>	7380000003 1000 N Vasco Rd
<b>DATE RECEIVED:</b>	07/15/2011	<b>CONTACT:</b>	Kelly Buettner
<b>DATE COMPLETED:</b>	07/28/2011		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
13A	SG-12	Modified TO-17 VI
14A	SG-1	Modified TO-17 VI
15A	SG-3 (GO143001)	Modified TO-17 VI
16A	SG-11	Modified TO-17 VI
17A	SG-3 (GO143572)	Modified TO-17 VI
18A	SG-8	Modified TO-17 VI
19A	SG-7	Modified TO-17 VI
20A	SG-10	Modified TO-17 VI
21A	SG-9	Modified TO-17 VI
22A	SG-4	Modified TO-17 VI
23A	SG-5	Modified TO-17 VI
24A	SG-6	Modified TO-17 VI
25A	Lab Blank	Modified TO-17 VI
26A	CCV	Modified TO-17 VI
27A	LCS	Modified TO-17 VI

CERTIFIED BY: 

DATE: 07/28/11

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,  
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,  
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/11

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE  
EPA Method TO-17  
Engeo Inc.  
Workorder# 1107239B**

Twelve TO-17 VI Tube samples were received on July 15, 2011. The laboratory performed the analysis via EPA Method TO-17 using GC/MS in the full scan mode. TO-17 sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for further separation.

**Receiving Notes**

Sample identifications SG-3 (GO143001) and SG-3 (GO143572) on the Chain of Custody (COC) were not unique. Air Toxics Ltd. Sample Acceptance Policy, which is derived from NELAC Section 5.11.2 (b), requires proper sample labeling to ensure unique identification. The client was informed of this violation of policy and instructions were given to continue analysis. Samples were given unique laboratory identification numbers, but the end user will not be able to determine from which of two identically identified containers the reported results were derived.

**Analytical Notes**

The reported CCV and LCS for each daily batch may be derived from more than one analytical file.

A sampling volume of 0.200 L was used to convert ng to ug/m<sup>3</sup> for the associated Lab Blank.

The TPH pattern in sample SG-1 and SG-6 did not resemble that of either diesel fuel nor gasoline. The hydrocarbons were distributed in the heavier carbon range of gasoline and the lighter range of diesel.

**Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



**Summary of Detected Compounds  
EPA METHOD TO-17**

**Client Sample ID: SG-12**

**Lab ID#: 1107239B-13A**

No Detections Were Found.

**Client Sample ID: SG-1**

**Lab ID#: 1107239B-14A**

<b>Compound</b>	<b>Rpt. Limit (ng)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ng)</b>	<b>Amount (ug/m3)</b>
TPH (Gasoline Range)	1000	5000	4100	21000
TPH (Diesel Range)	1000	5000	1100	5400

**Client Sample ID: SG-3 (GO143001)**

**Lab ID#: 1107239B-15A**

No Detections Were Found.

**Client Sample ID: SG-11**

**Lab ID#: 1107239B-16A**

No Detections Were Found.

**Client Sample ID: SG-3 (GO143572)**

**Lab ID#: 1107239B-17A**

No Detections Were Found.

**Client Sample ID: SG-8**

**Lab ID#: 1107239B-18A**

No Detections Were Found.

**Client Sample ID: SG-7**

**Lab ID#: 1107239B-19A**

No Detections Were Found.

**Client Sample ID: SG-10**

**Lab ID#: 1107239B-20A**

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**Summary of Detected Compounds  
EPA METHOD TO-17**

**Client Sample ID: SG-10**

**Lab ID#: 1107239B-20A**

No Detections Were Found.

**Client Sample ID: SG-9**

**Lab ID#: 1107239B-21A**

No Detections Were Found.

**Client Sample ID: SG-4**

**Lab ID#: 1107239B-22A**

No Detections Were Found.

**Client Sample ID: SG-5**

**Lab ID#: 1107239B-23A**

No Detections Were Found.

**Client Sample ID: SG-6**

**Lab ID#: 1107239B-24A**

<b>Compound</b>	<b>Rpt. Limit (ng)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ng)</b>	<b>Amount (ug/m3)</b>
TPH (Gasoline Range)	1000	5000	34000	170000
TPH (Diesel Range)	1000	5000	5200	26000

Client Sample ID: SG-12

Lab ID#: 1107239B-13A

EPA METHOD TO-17

File Name:	f071814fs	Date of Extraction: NA	Date of Collection: 7/13/11 2:03:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 06:59 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	50-150
Toluene-d8	102	50-150
Naphthalene-d8	108	50-150

Client Sample ID: SG-1

Lab ID#: 1107239B-14A

EPA METHOD TO-17

File Name:	f071815fs	Date of Extraction: NA	Date of Collection: 7/13/11 2:32:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 07:39 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	4100	21000
TPH (Diesel Range)	1000	5000	1100	5400

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	50-150
Toluene-d8	100	50-150
Naphthalene-d8	104	50-150





Client Sample ID: SG-3 (GO143001)

Lab ID#: 1107239B-15A

EPA METHOD TO-17

File Name:	f071816fs	Date of Extraction: NA	Date of Collection: 7/13/11 3:45:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 08:20 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
 Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	50-150
Toluene-d8	92	50-150
Naphthalene-d8	95	50-150



Client Sample ID: SG-11

Lab ID#: 1107239B-16A

EPA METHOD TO-17

File Name:	f071817fs	Date of Extraction: NA	Date of Collection: 7/13/11 5:00:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 09:00 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
 Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	50-150
Toluene-d8	99	50-150
Naphthalene-d8	104	50-150



Client Sample ID: SG-3 (GO143572)

Lab ID#: 1107239B-17A

**EPA METHOD TO-17**

File Name:	f071818fs	Date of Extraction: NA	Date of Collection: 7/13/11 5:45:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 09:41 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
 Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	50-150
Toluene-d8	114	50-150
Naphthalene-d8	98	50-150



Client Sample ID: SG-8

Lab ID#: 1107239B-18A

EPA METHOD TO-17

File Name:	f071819fs	Date of Extraction: NA	Date of Collection: 7/14/11 10:15:00 AM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 10:21 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	50-150
Toluene-d8	118	50-150
Naphthalene-d8	106	50-150



Client Sample ID: SG-7

Lab ID#: 1107239B-19A

EPA METHOD TO-17

File Name:	f071820fs	Date of Extraction: NA	Date of Collection: 7/14/11 11:00:00 AM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 11:01 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	50-150
Toluene-d8	97	50-150
Naphthalene-d8	104	50-150



Client Sample ID: SG-10

Lab ID#: 1107239B-20A

EPA METHOD TO-17

File Name:	f071821fs	Date of Extraction: NA	Date of Collection: 7/14/11 12:30:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/18/11 11:42 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200  
 Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	50-150
Toluene-d8	108	50-150
Naphthalene-d8	111	50-150

**Client Sample ID: SG-9**

**Lab ID#: 1107239B-21A**

**EPA METHOD TO-17**

<b>File Name:</b>	<b>f071822fs</b>	<b>Date of Extraction: NA</b>	<b>Date of Collection: 7/14/11 1:05:00 PM</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 7/19/11 12:23 AM</b>	

<b>Compound</b>	<b>Rpt. Limit (ng)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ng)</b>	<b>Amount (ug/m3)</b>
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

**Air Sample Volume(L): 0.200**

**Container Type: TO-17 VI Tube**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	95	50-150
Toluene-d8	94	50-150
Naphthalene-d8	104	50-150

Client Sample ID: SG-4

Lab ID#: 1107239B-22A

EPA METHOD TO-17

File Name:	f071827fs	Date of Extraction: NA	Date of Collection: 7/14/11 2:35:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/19/11 07:22 AM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	50-150
Toluene-d8	103	50-150
Naphthalene-d8	106	50-150





Client Sample ID: SG-5

Lab ID#: 1107239B-23A

EPA METHOD TO-17

File Name:	f071824fs	Date of Extraction: NA	Date of Collection: 7/14/11 2:45:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/19/11 01:42 AM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	50-150
Toluene-d8	112	50-150
Naphthalene-d8	102	50-150

Client Sample ID: SG-6

Lab ID#: 1107239B-24A

EPA METHOD TO-17

File Name:	f071828fs	Date of Extraction: NA	Date of Collection: 7/14/11 2:25:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/19/11 08:03 AM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	34000	170000
TPH (Diesel Range)	1000	5000	5200	26000

Air Sample Volume(L): 0.200

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	50-150
Toluene-d8	120	50-150
Naphthalene-d8	100	50-150



Client Sample ID: Lab Blank

Lab ID#: 1107239B-25A

EPA METHOD TO-17

File Name:	f071809	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/11 02:28 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
TPH (Gasoline Range)	1000	5000	Not Detected	Not Detected
TPH (Diesel Range)	1000	5000	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	50-150
Toluene-d8	90	50-150
Naphthalene-d8	95	50-150



Client Sample ID: CCV

Lab ID#: 1107239B-26A

EPA METHOD TO-17

File Name:	f071803	Date of Extraction: NA	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/11 10:03 AM	

Compound	%Recovery
TPH (Gasoline Range)	71
TPH (Diesel Range)	88

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	50-150
Toluene-d8	92	50-150
Naphthalene-d8	94	70-130

**Client Sample ID: LCS**

**Lab ID#: 1107239B-27A**

**EPA METHOD TO-17**

<b>File Name:</b>	<b>f071804</b>	<b>Date of Extraction: NA</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 7/18/11 10:43 AM</b>	

<b>Compound</b>	<b>%Recovery</b>
TPH (Gasoline Range)	Not Spiked
TPH (Diesel Range)	84

**Air Sample Volume(L): 1.00**  
**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	94	50-150
Toluene-d8	86	50-150
Naphthalene-d8	96	50-150

**Appendix E**

Boring Logs



# LOG OF BORING GP-1

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 529  
LATITUDE (NAD83) : 37.713335  
LONGITUDE (NAD83) : -121.724700

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			LEAN CLAY (CL), light brown to light grayish brown, moist to wet, 10-20% fine-grained sand			
1						
5						
2					▽	
10	3		SANDY LEAN CLAY (CL), dark grayish brown, wet, <30% fine- to medium-grained sand			
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 feet.			
4						



# LOG OF BORING GP-2

Site Characterization  
 Macedo Property  
 Livermore, California  
 7380.000.003

DATE DRILLED : April 19, 2011  
 HOLE DEPTH (FT) : 12  
 SUFR ELEV (FT-MSL) : 529  
 LATITUDE (NAD83) : 37.713236  
 LONGITUDE (NAD83) : -121.724635

LOGGED/REVIEWED BY : R. Gandolfo/JA  
 DRILLING CONTRACTOR: EnProb  
 DRILLING METHOD : Direct Push  
 HAMMER TYPE : Automatic  
 HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt WELL GRADED GRAVEL [Fill]			
1						
5						
2						
10	3				▽	
4			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 feet during drilling.			





# LOG OF BORING GP-3

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 20, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 529  
LATITUDE (NAD83) : 37.713151  
LONGITUDE (NAD83) : -121.724713

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt Concrete / Aggregate Base			
			LEAN CLAY (CL), medium brown to dark grayish brown, moist to wet, <5% fine-grained sand			0.0
1						
5			10-20% fine-grained sand			0.0
2						
10	3		SANDY LEAN CLAY (CL), dark grayish brown, wet, <30% fine- to medium-grained sand			0.0
						0.0
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 feet during drilling.			
4						

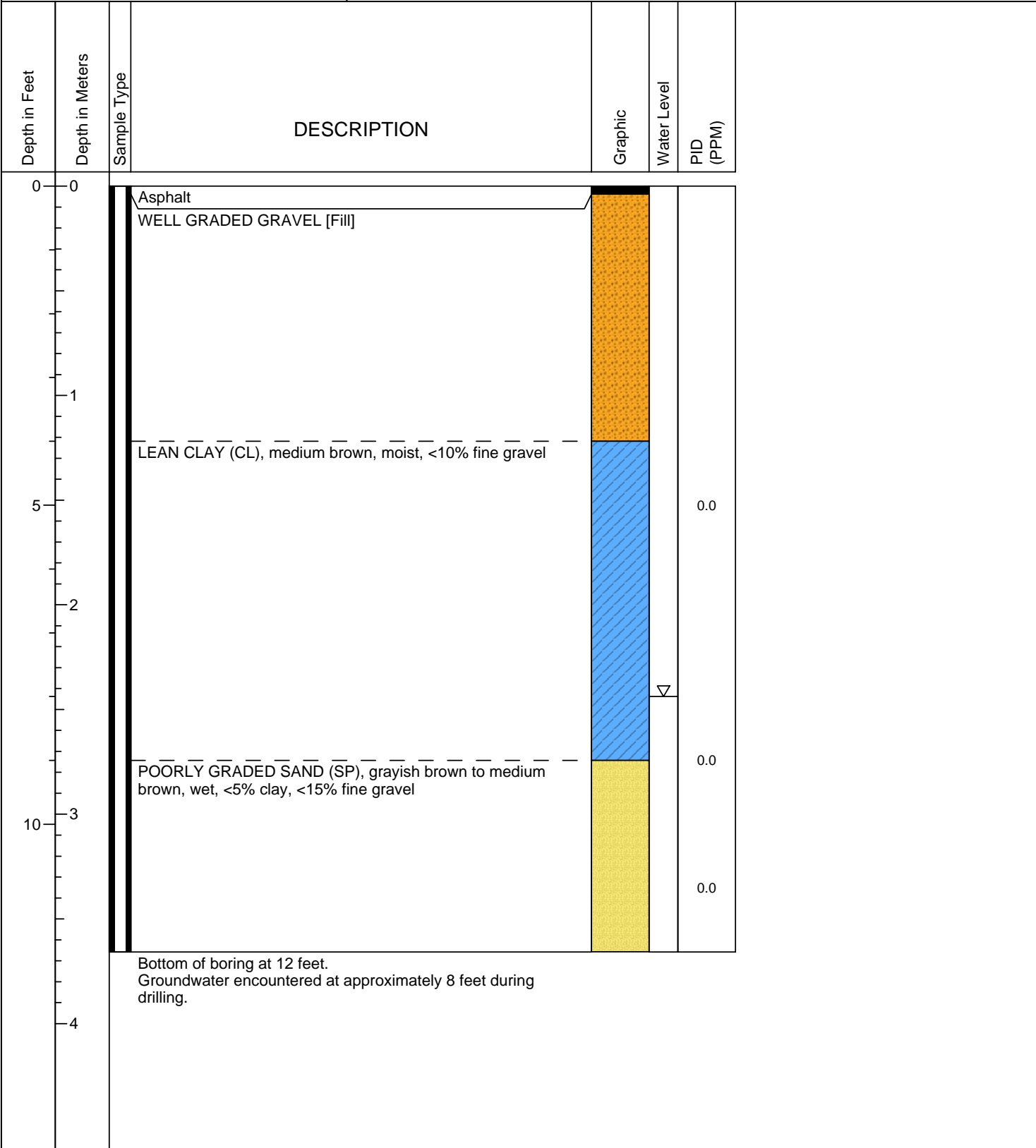


# LOG OF BORING GP-4

Site Characterization  
 Macedo Property  
 Livermore, California  
 7380.000.003

DATE DRILLED : April 19, 2011  
 HOLE DEPTH (FT) : 12  
 SUFR ELEV (FT-MSL) : 529  
 LATITUDE (NAD83) : 37.713262  
 LONGITUDE (NAD83) : -121.724807

LOGGED/REVIEWED BY : R. Gandolfo/JA  
 DRILLING CONTRACTOR: EnProb  
 DRILLING METHOD : Direct Push  
 HAMMER TYPE : Automatic  
 HOLE DIAMETER (IN) : 3





# LOG OF BORING GP-5

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 528  
LATITUDE (NAD83) : 37.7132439  
LONGITUDE (NAD83) : -121.724969

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggragate Base			
			SILTY LEAN CLAY (CL), dark grayish brown, moist, <5% fine-grained sand			0.0
			POORLY GRADED SAND WITH CLAY (SP-SC), light yellowish brown, moist, <10% fines			0.0
			Bottom of boring at 12 feet. Groundwater not encountered during drilling.			0.1



# LOG OF BORING GP-6

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 528  
LATITUDE (NAD83) : 37.713235  
LONGITUDE (NAD83) : -121.725017

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			SILTY CLAY WITH SAND (CL-ML), yellowish brown, moist to wet, <30% fine-grained sand			
1						
5						
2						
			POORLY GRADED SAND WITH SILT (SP-SC), light yellowish brown, fine- to medium-grained sand, <10% fines			
10	3					
			LEAN CLAY (CL), dark brown, wet, <5% fine-grained sand			
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 1/2 feet during drilling.			
4						



# LOG OF BORING GP-7

Site Characterization  
 Macedo Property  
 Livermore, California  
 7380.000.003

DATE DRILLED : April 20, 2011  
 HOLE DEPTH (FT) : 12  
 SUFR ELEV (FT-MSL) : 528  
 LATITUDE (NAD83) : 37.713153  
 LONGITUDE (NAD83) : -121.725597

LOGGED/REVIEWED BY : R. Gandolfo/JA  
 DRILLING CONTRACTOR: EnProb  
 DRILLING METHOD : Direct Push  
 HAMMER TYPE : Automatic  
 HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			SILTY CLAY WITH SAND (CL-ML), dark brown, moist to wet, <30% fine-grained sand			0.0
1						0.0
5						0.0
2						0.0
10	3		POORLY GRADED SAND WTH SILT (SP-SC), light yellowish brown to medium brown, wet, <10% fine-graded sand			0.0
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 1/2 feet during drilling.			
4						





# LOG OF BORING GP-9

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 529  
LATITUDE (NAD83) : 37.713426  
LONGITUDE (NAD83) : -121.724796

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			LEAN CLAY (CL), dark grayish brown, moist, <5% fine-grained sand			0.0
1						
5						0.0
2						
			POORLY GRADED SAND (SP), medium gray, wet, fine- to medium-grained sand			0.8
10	3		(grades brown)			0.2
			Bottom of boring at 12 feet. Groundwater encountered at approximately 9 feet during drilling.			
4						



# LOG OF BORING GP-10

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 529  
LATITUDE (NAD83) : 37.713393  
LONGITUDE (NAD83) : -121.724913

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt /Aggregate Base			
			LEAN CLAY (CL), dark grayish brown, moist, <5% fine-grained sand			0.0
1						
5						
2						
			SILTY CLAY (CL-ML), medium gray, moist to wet, <5% fine-grained sand			
3						35.0
10						
			POORLY GRADED SAND WITH SILT (SP-SC), yellowish brown, fine- to medium-grained sand.			3.5
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 1/2 feet.			
4						







# LOG OF BORING GP-12

Site Characterization  
 Macedo Property  
 Livermore, California  
 7380.000.003

DATE DRILLED : April 19, 2011  
 HOLE DEPTH (FT) : 12  
 SUFR ELEV (FT-MSL) : 529  
 LATITUDE (NAD83) : 37.713354  
 LONGITUDE (NAD83) : -121.724825

LOGGED/REVIEWED BY : R. Gandolfo/JA  
 DRILLING CONTRACTOR: EnProb  
 DRILLING METHOD : Direct Push  
 HAMMER TYPE : Automatic  
 HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			LEAN CLAY (CL), dark brown, moist, <5 % fine-grained sand			
1			(light brown, <20% fine- to medium-grained sand)			
5			SILTY LEAN CLAY WITH SAND (CL-ML), dark grayish brown, moist to wet, <30% fine-grained sand			
2						
10	3					
			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 feet during drilling.			
4						



# LOG OF BORING GP-11

Site Characterization  
 Macedo Property  
 Livermore, California  
 7380.000.003

DATE DRILLED : April 19, 2011  
 HOLE DEPTH (FT) : 12  
 SUFR ELEV (FT-MSL) : 529  
 LATITUDE (NAD83) : 37.713358  
 LONGITUDE (NAD83) : -121.724959

LOGGED/REVIEWED BY : R. Gandolfo/JA  
 DRILLING CONTRACTOR: EnProb  
 DRILLING METHOD : Direct Push  
 HAMMER TYPE : Automatic  
 HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggregate Base			
			LEAN CLAY (CL), dark gray, moist, <5% fine-grained sand			
1						
5			POORLY GRADED SAND (SP), yellowish brown, moist, fine-grained sand			
			SILTY LEAN CLAY (CL), yellowish brown, moist to wet, <10% fine-grained sand			
2						
10	3					
4			Bottom of boring at 12 feet. Groundwater encountered at approximately 8 feet during drilling.			
15						



# LOG OF BORING GP-14

Site Characterization  
Macedo Property  
Livermore, California  
7380.000.003

DATE DRILLED : April 19, 2011  
HOLE DEPTH (FT) : 12  
SUFR ELEV (FT-MSL) : 528  
LATITUDE (NAD83) : 37.713328  
LONGITUDE (NAD83) : -121.724567

LOGGED/REVIEWED BY : R. Gandolfo/JA  
DRILLING CONTRACTOR: EnProb  
DRILLING METHOD : Direct Push  
HAMMER TYPE : Automatic  
HOLE DIAMETER (IN) : 3

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Graphic	Water Level	PID (PPM)
0	0		Asphalt/ Aggragate Base			
			LEAN CLAY (CL), light brown to light grayish brown, moist to wet, 10-20% fine-grained sand			
1						
5						
2						
10	3		SANDY LEAN CLAY (CL), dark grayish brown, wet, <30% fine- to medium-grained sand			
			Botom of broing at 12 feet. Groundwater encountered at approximately 8 feet during drilling.			
4						

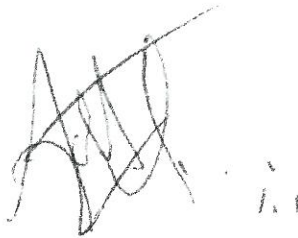
Date: 8/15/11

Subject: 1000 N. Vasco Road, Livermore California  
Fuel Leak Case No. RO0003073

**PERJURY STATEMENT**

"I declare that to the best of my knowledge at the present time, the information and/or recommendations contained in the attached report are true and correct."

Submitted by Responsible Party:



Scott Menard  
Arbor Development Group  
3650 Mt. Diablo Blvd. Suite 200  
Lafayette, CA 94549

On behalf of:  
Eugene and Shirley Macedo Trust  
c/o Matt Macedo  
2995 Taylor Way  
Byron, CA 94514