



**CONESTOGA-ROVERS  
& ASSOCIATES**

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www.CRAworld.com

## TRANSMITTAL

DATE: November 19, 2013

REFERENCE NO.: 240503

PROJECT NAME: 6039 College Avenue, Oakland

TO: Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**RECEIVED**  
By Alameda County Environmental Health at 4:50 pm, Dec 23, 2013

Please find enclosed:  Draft  Final  
 Originals  Other  
 Prints

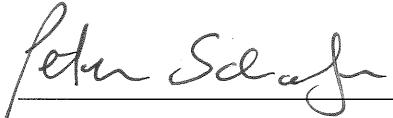
Sent via:  Mail  Same Day Courier  
 Overnight Courier  Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Subsurface Investigation Work Plan

As Requested  For Review and Comment  
 For Your Use  \_\_\_\_\_  
 \_\_\_\_\_

**COMMENTS:**  
If you have any questions regarding the content of this document, please call the CRA project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Perry Pineda at (425) 413-1164.

Copy to: Perry Pineda, Shell Oil Products US (electronic copy)  
Russell J. Bruzzone, Inc. (property owner), c/o Joan Bruzzone, 899 Hope Lane,  
Lafayette, CA 94549  
Montrose Investment Co. (property owner), Attn: Jim Graham, 242 Rivera Circle,  
Greenbrae Marina, Larkspur, CA 94939  
Clint Mercer (previous lessee), SC Fuels, 1800 West Katella Avenue, Orange, CA 92867  
Mike Ahmadi (lessee), Petromart Retail Group, Inc., 587 Ygnacio Valley Road,  
Walnut Creek, CA 94596

Completed by: Peter Schaefer Signed: 



Mr. Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Shell Oil Products US**  
Soil and Groundwater Focus Delivery Group  
20945 S. Wilmington Avenue  
Carson, CA 90810  
Tel (425) 413 1164  
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Email [perry.pineda@shell.com](mailto:perry.pineda@shell.com)  
Internet <http://www.shell.com>

Re: 6039 College Avenue  
Oakland, California  
SAP Code 135685  
Incident No. 98995745  
ACEH Case No. RO0000469

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (425) 413-1164 with any questions or concerns.

Sincerely,  
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Perry Pineda", is located below the typed name.

Perry Pineda  
Senior Environmental Program Manager



## **SUBSURFACE INVESTIGATION WORK PLAN**

**FORMER SHELL SERVICE STATION  
6039 COLLEGE AVENUE  
OAKLAND, CALIFORNIA**

**SAP CODE            135685  
INCIDENT NO.    98995745  
AGENCY NO.      RO0000469**

**NOVEMBER 19, 2013  
REF. NO. 240503 (13)**

This report is printed on recycled paper.

**Prepared by:  
Conestoga-Rovers  
& Associates**

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## 1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this work plan on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), as requested in Alameda County Environmental Health's (ACEH's) September 16, 2013 letter following station demolition during January 2013.

The site is a former Shell service station located on the southern corner of College Avenue and Claremont Avenue in Oakland, California (Figure 1). Currently, the site is a vacant lot. The former station layout consisted of a station building, three underground storage tanks (USTs), and two dispenser islands (Figure 2). The area surrounding the site is of mixed commercial and residential use.

A summary of previous work performed at the site and additional background information is contained in Appendix A. CRA includes Sparger Technology, Inc.'s May 17, 2013 *Underground Storage Tank Removal Report* in Appendix B.

## 2.0 WORK TASKS

### 2.1 PERMIT

CRA will obtain a drilling permit from the Alameda County Public Works Agency (ACPWA) and an access agreement from the property owner.

### 2.2 HEALTH AND SAFETY PLAN (HASP)

CRA will prepare a HASP to protect site workers. The plan will be kept on site during field activities and will be reviewed and signed by each site worker.

### 2.3 UTILITY CLEARANCE

CRA will mark the proposed drilling locations, and the locations will be cleared through Underground Service Alert and a private line locator service prior to drilling.

## 2.4 SUBSURFACE INVESTIGATION

Based on field observations and analytical data from the UST removal in January 2013, CRA will drill three exploratory soil borings (SB-9 through SB-11) to investigate the extent of petroleum hydrocarbon impacts to soil and groundwater in the area of the former USTs and directly down gradient from the former USTs (Figure 2).

The borings will be advanced using a Geoprobe® rig, and each boring will be advanced until groundwater is encountered. Based on the first quarter 2010 data, depth to water is between 11 and 14 feet below grade (fbg).

A CRA geologist will supervise the drilling and describe encountered soils using the Unified Soil Classification System and Munsell Soil Color Charts. After clearing the borings to 5 fbg with an air- or water-knife, soil samples will be collected continuously for soil description, for possible chemical analyses, and screening in the field for organic vapors using a photo-ionization detector (PID). Soil sample selection will be based on field observations (including PID readings and soil types) and previous soil data (concentrations, depths, and locations) from the UST excavation soil samples. At least two soil samples from each boring will be submitted for analysis. Grab groundwater samples will be collected from each of the borings. CRA will prepare a boring log for each boring, and PID measurements will be recorded on the boring logs.

Soil samples designated for chemical analyses will be retained in stainless steel sample tubes, brass sample tubes, or plastic sleeves. If plastic sleeves are used, they will be cut into 6-inch lengths. The tubes or sleeves will be covered on both ends with Teflon sheets and plastic end caps. Grab groundwater samples will be collected from the borings using Hydropunch® equipment and transferred into vials containing hydrochloric acid preservative with no headspace. Soil and grab groundwater samples will be labeled, entered onto a chain-of-custody record, and placed into a cooler with ice for transport to a State of California certified laboratory for analyses. CRA will request a standard 2-week turnaround time for laboratory results.

CRA will perform this work under the supervision of a professional geologist or engineer.

## 2.5 CHEMICAL ANALYSES

Grab groundwater samples and selected soil samples will be analyzed for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes, naphthalene, and methyl-tertiary butyl ether using EPA Method 8260B.

## 2.6 REPORT PREPARATION

Following the receipt of analytical results from the laboratory, CRA will prepare a written report which will include field procedures, laboratory results, and boring logs.

## 3.0 SCHEDULE

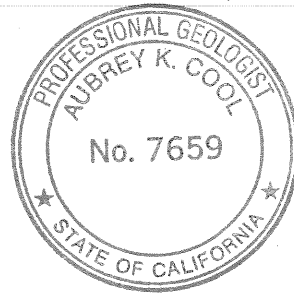
Shell is currently negotiating an access agreement with the property owners. CRA will begin work upon receiving ACEH's written approval of this work plan, appropriate drilling permit from ACPWA, and an access agreement from the property owners.



All of Which is Respectfully Submitted,  
CONESTOGA-ROVERS & ASSOCIATES

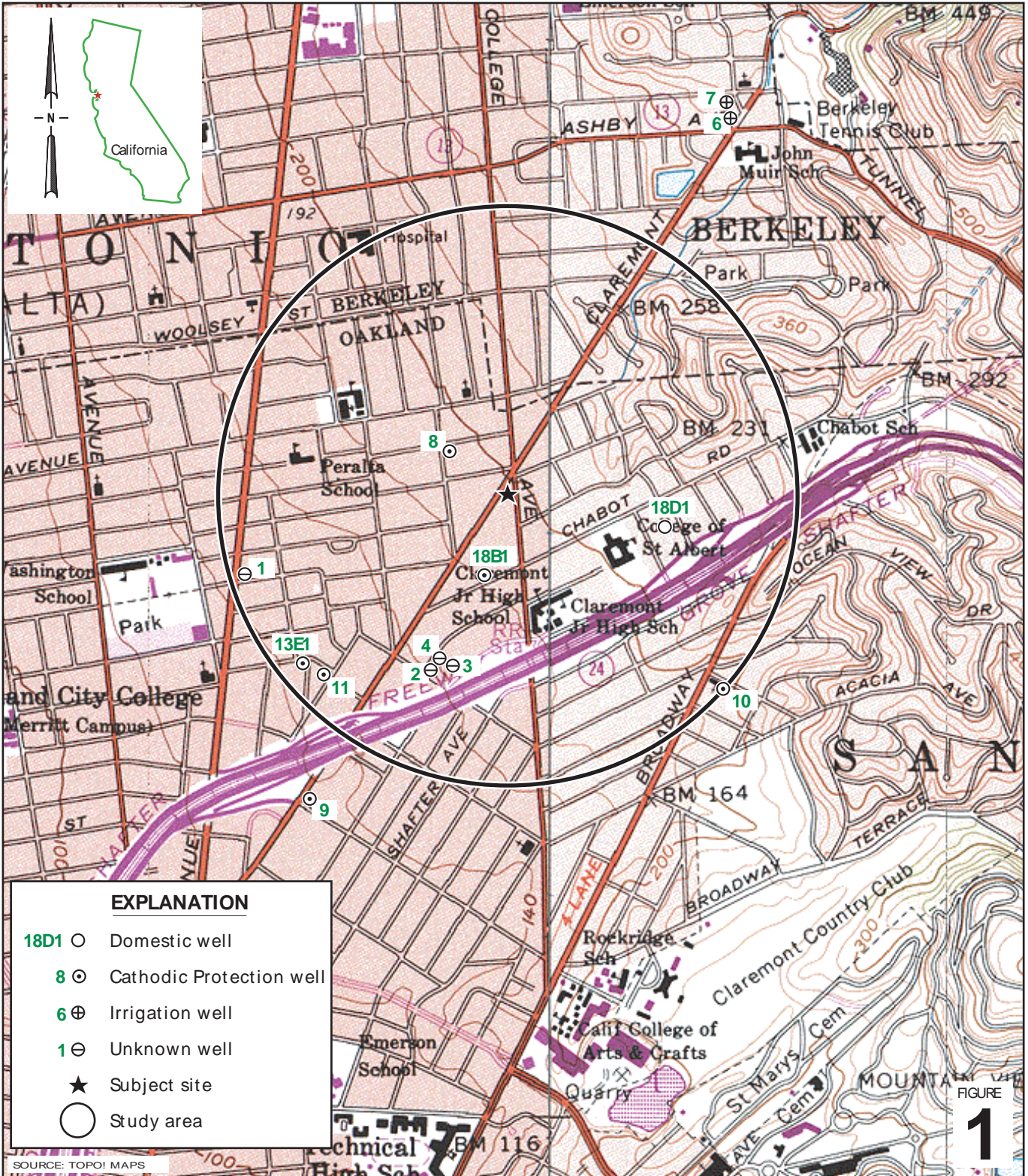
*Peter Schaefer*  
Peter Schaefer, CEG, CHG

*Aubrey K. Cool*  
Aubrey K. Cool, PG



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FIGURES



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SOURCE: TOPOI MAPS

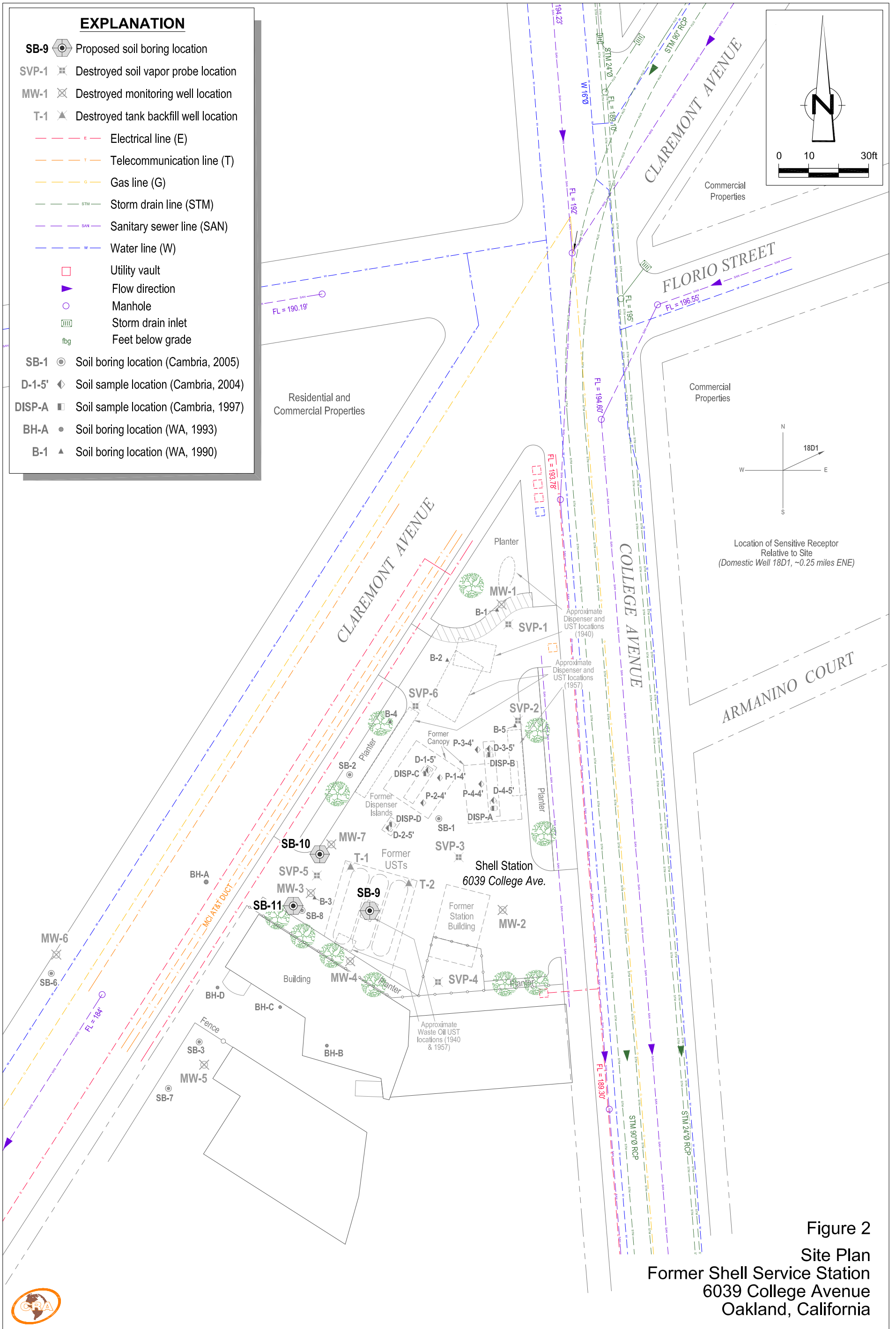
FIGURE 1

**Former Shell Service Station**  
 6039 College Avenue  
 Oakland, California



**CONESTOGA-ROVERS  
 & ASSOCIATES**

**Vicinity Map**



APPENDIX A

SITE HISTORY

## SITE HISTORY

**1957 Underground Storage Tank (UST) Removal and Replacement:** According to Shell's records, one 550-gallon and three 1,000-gallon steel USTs containing gasoline and one 110-gallon single-walled steel waste oil tank were removed in 1957. These tanks were apparently installed when the station first opened in 1940. The tanks were replaced by three 5,000-gallon leaded gasoline tanks and one 1,000-gallon waste oil tank, all of single-wall steel construction.

**1978 UST Removal and Installation:** According to Shell's records, one 8,000-gallon and three 5,000-gallon steel USTs and one 1,000-gallon waste oil tank were removed in 1978. It is not clear from the available documentation when the 8,000-gallon tank was installed. The tanks were replaced by three 10,000-gallon fiberglass USTs for gasoline storage.

**1989 Unauthorized Release:** In September 1989, Alameda County Environmental Health (ACEH) received notification of an unauthorized release from a UST. The source of the release was reported as a slight weep at the piping connection to the submersible pump for a gasoline tank.

**1990 Soil Borings:** In January 1990, Harding Lawson Associates (HLA) drilled soil borings B-1 through B-6 to a depth of approximately 25 feet below grade (fbg). Up to 610 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg), 5,900 mg/kg total petroleum hydrocarbons as diesel (TPHd), 110,000 mg/kg total petroleum hydrocarbons as motor oil, and 0.57 mg/kg benzene were detected in soil samples from borings B-3 and B-6. Petroleum hydrocarbons were not detected or concentrations were near laboratory detection limits in soil samples collected from borings B-1, B-2, B-4, and B-5. Details of the investigation are included in HLA's April 13, 1990 *Quarterly Technical Report, First Quarter 1990*.

**1990 Soil Boring and Well Installations:** In February 1990, HLA drilled and installed groundwater monitoring wells MW-1 through MW-4 to a depth of 25 fbg. Up to 230 mg/kg TPHg and 1.1 mg/kg benzene were detected in soil samples collected from well borings MW-3 and MW-4. Petroleum hydrocarbons were not detected or concentrations were near laboratory detection limits in soil samples collected from well boring MW-2. Details of the investigation and well installations are included in HLA's July 10, 1990 *Quarterly Technical Report, Second Quarter 1990*.

**1991 Soil Boring and Well Installation:** In August 1991, HLA installed monitoring well MW-5 to a depth of 28 fbg. Although 23 mg/kg of a petroleum mixture other than

gasoline was detected in a soil sample from 16 fbg, no benzene was detected in any samples collected. HLA's October 10, 1991 *Quarterly Technical Report, Third Quarter 1991* documents the investigation and well installations.

**1993 Soil Boring and Well Installation:** In March 1993, Weiss Associates (WA) drilled soil borings BH-A through BH-E and converted boring BH-E into monitoring well MW-6. Up to 580 mg/kg TPHg, 0.42 mg/kg benzene, and 930 mg/kg petroleum oil and grease were detected in soil samples collected from borings BH-A, BH-C, and BH-D. No petroleum hydrocarbons were detected in soil samples collected from boring BH-B and only 3.5 mg/kg TPHd was detected in soil samples collected from boring BH-E (well MW-6). The report detailing this investigation is unavailable at this time.

**1998 Dispenser and Piping Upgrade Soil Sampling:** In February 1998, Cambria Environmental Technology, Inc. (Cambria) collected soil samples for analysis during an upgrade of the site's four gasoline dispensers. The maximum hydrocarbon concentrations were detected in soil samples collected at Dispenser C. TPHg, TPHd, and benzene were detected at concentrations of 5,300 mg/kg, 420 mg/kg, and 10 mg/kg, respectively. Samples from the other dispenser locations contained significantly lower concentrations. Soil sampling details are included in Cambria's April 30, 1998 *Dispenser Soil Sampling Report*.

**1998 Potential Receptor Survey:** In March 1998, Cambria completed a potential receptor survey to identify sensitive groundwater receptors within a one-half-mile radius of the site. Three surface water bodies and one potential receptor well were located within the study area. However, due to their distance and location up gradient and cross gradient of the site, Cambria concluded that none would be impacted by hydrocarbons detected at the subject site. Survey details are included in Cambria's March 5, 1998 *Potential Receptor Survey Report*. Figure 1 includes area well survey results.

**1999 to 2005 Separate-Phase and Dissolved-Phase Hydrocarbon Removal:** Weekly extraction of separate-phase hydrocarbons (SPHs) and dissolved-phase hydrocarbons was initiated at this site on September 22 and November 10, 1999. Advanced Cleanup Technologies, Inc. of Benicia, California extracted SPHs and groundwater from wells MW-3 and MW-4 with a vacuum truck. Beginning November 10, 1999, Blaine Tech Services, Inc. (Blaine) of San Jose, California assumed the weekly purging events as the volume of groundwater and SPHs removed each week was not sufficient to warrant using a vacuum truck. Due to the absence of SPHs in MW-4, weekly purging events by Blaine were discontinued on June 8, 2000. No SPHs were detected in the first quarter of 2001. SPHs reappeared in the second and third quarters of 2001, and monthly extraction by Onyx Industrial Services was resumed in December 2001. Due to low hydrocarbon

concentrations, monthly extraction was suspended after the first quarter of 2005 event. Mobile groundwater extraction removed an approximate total of 2.6 pounds of hydrocarbons, 0.15 pounds of benzene, and 2.5 pounds of methyl tertiary-butyl ether (MTBE).

**2001 Dual-Phase Vacuum Extraction (DVE) Pilot Test:** In March 2001, Cambria conducted short-term DVE pilot tests on monitoring wells MW-3 and MW-4. Vacuum influence was not observed in any adjacent wells. Approximately 0.2 pounds of TPHg, 0.004 pounds of benzene, and 0.02 pounds of MTBE were removed during the pilot test. Cambria's June 14, 2001 *First Quarter 2001 Monitoring Report and Remediation Pilot Testing* report presents details of the pilot testing.

**2001 Site Conceptual Model (SCM) and Well Receptor Survey and Conduit Studies:** In August 2001, Cambria submitted an SCM and well receptor survey for the site. The receptor survey identified three surface water bodies and five potential receptor wells within a one-half-mile radius of the site. Due to either their distance from the site or their location up gradient and cross gradient of the site, it is unlikely that any of these wells would be impacted by hydrocarbons originating from the site. The conduit investigation findings indicated that there is potential for preferential pathway migration of petroleum hydrocarbons in existing horizontal utility trenches. Cambria's August 9, 2001 *Site Conceptual Model and Well Receptor Survey* report presents the SCM and details of the well receptor and conduit studies.

**2004 Dispenser and Piping Upgrade Soil Sampling:** In May 2004, Cambria collected soil samples for analysis during an upgrade of the site's fueling system. MTBE and benzene were not detected in any soil samples collected during the upgrade activities. TPHg was detected in only one sample (P-3-4'), at a concentration of 17 mg/kg. Cambria's July 7, 2004 *Dispenser and Piping Upgrade Sampling Report* documents the soil sampling.

**2005 Subsurface Investigation:** In September 2005, Cambria advanced six soil borings (SB-1 through SB-3 and SB-6 through SB-8) to assess subsurface conditions off site and down gradient of the site and on site in the vicinity of the fuel dispensers and USTs. Borings SB-1, SB-3, SB-6, and SB-8 were advanced to 35 fbg, SB-7 to 45 fbg, and SB-2 to 50 fbg. Soil samples were collected every 5 feet for soil description, possible chemical analysis, and headspace analysis. TPHg was detected in nine soil samples, at concentrations up to 740 mg/kg. The hydrocarbon impact to soil in the area investigated was minimal and likely indicative of impacted groundwater.

Grab samples of the first-encountered groundwater were collected from each boring. TPHg was detected in five groundwater samples, at concentrations up to



43,000 micrograms per liter ( $\mu\text{g}/\text{L}$ ). Benzene was detected in SB-8 at a concentration of 170  $\mu\text{g}/\text{L}$ . MTBE was detected in all samples at concentrations up to 340  $\mu\text{g}/\text{L}$ . Tertiary-butyl alcohol (TBA) was detected in five samples, at concentrations up to 3,400  $\mu\text{g}/\text{L}$ . Di-isopropyl ether was detected in two samples, with concentrations of 210  $\mu\text{g}/\text{L}$  and 380  $\mu\text{g}/\text{L}$  in samples from SB-2 and SB-8, respectively. Ethylene dibromide was detected in SB-7 at a concentration of 2.9  $\mu\text{g}/\text{L}$ . Cambria's December 14, 2005 *Subsurface Investigation Report* presents investigation details.

**2006 Well Installation:** In May 2006, Cambria installed one groundwater monitoring well (MW-7) immediately down gradient of the westernmost dispenser island, a suspected source of hydrocarbon impact to groundwater. Soil samples contained up to 689 mg/kg TPHg, 0.00333 mg/kg benzene, 0.0170 mg/kg toluene, 0.615 mg/kg ethylbenzene, 0.142 mg/kg total xylenes, and 0.0476 mg/kg MTBE. Cambria's August 11, 2006 *Subsurface Investigation Report and Second Quarter 2006 Groundwater Monitoring Report* provides well installation details.

**2010 Soil Vapor Investigation:** In February 2010, Conestoga-Rovers & Associates (CRA) installed six soil vapor probes (SVP-1 through SVP-6). The vapor probes were sampled in March 2010. No constituents of concern were detected in any soil vapor samples. CRA's April 13, 2010 *Soil Vapor Probe Installation and Sampling Report* presents investigation details.

**1990 to 2010 Groundwater Monitoring:** From February 1990 to February 2010, periodic groundwater monitoring was conducted from up to five on-site wells (MW-1 through MW-4 and MW-7) and two off-site wells (MW-5 and MW-6).

**2011 Well Destructions and Case Closure:** In March 2011, CRA destroyed seven groundwater monitoring wells (MW-1 through MW-7) and six soil vapor probes (SVP-1 through SVP-6). ACEH's May 4, 2011 letter confirmed closure of the environmental case.

**2013 UST Removal and Station Demolition:** In January 2013, MVP Petroleum Engineering, Inc. removed three 10,000-gallon USTs, dispensers, piping, the station building, and all other station fixtures. Upon UST removal, Oakland Fire Department noted cracks in the USTs that did not appear to be due to the UST removal. Sparger Technology, Inc. (Sparger) collected soil samples from beneath the USTs which contained up to 8,740 mg/kg oil and grease (O&G), 1,700 mg/kg TPHg, 3.7 mg/kg toluene, 15 mg/kg ethylbenzene, 79 mg/kg total xylenes, 17 mg/kg naphthalene, and 9.07 mg/kg lead. No benzene or fuel oxygenates were detected in the soil samples from beneath the USTs. Sparger also collected soil samples from beneath the dispensers and

pipng which contained up to 2,080 mg/kg O&G, 0.0019 mg/kg toluene, 0.0083 mg/kg ethylbenzene, 0.080 mg/kg total xylenes, 0.0078 mg/kg naphthalene, and 12.3 mg/kg lead. No TPHg, benzene, or fuel oxygenates were detected in the soil samples from the dispensers and piping. Sparger's May 17, 2013 *Underground Storage Tank Removal Report* provides details.

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APPENDIX B

SPARGER TECHNOLOGY, INC. -  
MAY 17, 2013 UNDERGROUND STORAGE TANK REMOVAL REPORT



Environmental Division  
Analytical Laboratory Division  
Mobile Laboratory Division  
Scientific Division

May 17, 2013

Sheryl S. Skillern  
Senior Hazardous Materials Inspector  
Oakland Fire Department  
250 Frank H. Ogawa Plaza, Suite 3341  
Oakland, California 94612

Subject: **Underground Storage Tank Removal Report  
College Avenue Shell  
6039 College Ave  
Oakland, California**

Dear Ms. Skillern:

This letter report presents the results of underground storage tank (UST) removal activities performed at College Shell located at 6039 College Avenue, Oakland, California (site). The work was conducted during January 2013 by Sparger Technology, Inc. (Sparger) and is submitted on behalf Mike Ahmadi of GAWFCO, Inc. (property owner). The site was a Shell branded service station that has been demolished and is currently vacant land. Part of the service station demolition project was the removal of the existing underground storage tanks. Three 10,000-gallon single wall fiberglass USTs were removed. Sparger collected regulatory compliance soil samples from beneath the USTs, dispensers, and product lines. No excavated soil was removed from site. MVP Petroleum Engineering, Inc. of Folsom, California provided engineering services for the UST removal activities. Summarized below are a description of the UST removal, soil sampling activities beneath the USTs and dispensers and piping, and the results of laboratory analysis of soil samples.

#### Permits

Prior to UST removal activities, MVP Petroleum Engineering, Inc. obtained a Underground Storage Tank System Closure permit from Oakland Fire Department (OFD). The permit approval date was January 7, 2013. Copies of the permit and State Forms B are included in Attachment A.



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### UST and Product Piping Removal Activities

During the week of January 28, 2013, UST system closure activities included the removal of three 10,000-gallon gasoline USTs. The USTs were triple rinsed by Adams Services Inc. personnel on January 28, 2013 using a fresh water/detergent mixture and a hot water pressure washer. The tank contents (gasoline fuel) had been removed prior to rinsing activities. Following rinsing, visual inspection of the tanks did not indicate any residual sludge or liquid on the visible portions of the interior of the tanks. Approximately 700 gallons of rinsate were removed from the tanks using a vacuum truck. In addition, fiberglass and steel product piping were removed on January 29, 2013. The UST rinsate was then transported for treatment and recycling by Adams Services under manifest number 010396269 JJK, to the Demenno/Kerddon facility in Compton, California. The piping was transported by Adams Services under manifest number 010369273 JJK, to the Siemens Industry facility located at 5375 South Boyle Avenue, Los Angeles, California. Copies of the manifests for the rinsate and piping are included in Attachment B. MVP Petroleum Engineering personnel began excavation activities with the removal of the fill material (pea gravel) around the USTs. The excavated fill was placed on and covered with polyethylene sheeting adjacent to the excavation.

On January 29, 2013, in preparation for the removal of the USTs, MVP Petroleum Engineering placed approximately 250 pounds of dry ice inside each of the USTs. Over the next few hours, the lower explosion limit (LEL) and percent oxygen were measured within the tanks. The final readings for LEL and percent oxygen were recorded at <5 % LEL and 15% or less oxygen, respectively. The readings were measured by MVP Petroleum Engineering under observation of the OFD. Upon authorization of the OFD, the USTs were removed from the excavation. Following removal, the tanks were inspected for signs of deterioration, holes, or leakage. The tanks were observed to be in good condition, without any obvious holes or cracks. However, there was a hole on the top of tank T-3 that appeared to be the result of removal activities and some minor staining on the ribs. Groundwater was not observed in the excavation. Soil samples were subsequently collected from beneath the USTs, dispensers and associated piping. Photographs taken at the time of the tank removals are included in Attachment C.

The tanks were then transported by Adams Services, Inc. to the Siemens Industry, Inc. facility in Los Angeles, California for disposal under manifest numbers 010396270 JJK, 010396271 JJK, and 010396272 JJK. Copies of the manifests for transport and disposal of the USTs and the Certificates of Destruction are included in Attachment B.



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### Regulatory Compliance Soil Sampling Activities

On January 29, 2013, Sparger field personnel collected samples from approximately 2-feet into the native soil below the ends of each of the USTs. Soil samples were also collected from beneath the dispensers and also at the joints and mid piping lines. The soil samples collected from below the tanks were designated TP-1A, TP-1B, TP-2A, TP-2B, TP-3A, and TP-3B and were from approximately 15 feet below ground surface (bgs). The samples from beneath the product dispensers and piping were designated UDC-1 through UDC-4 and Pipe Joint-1, Pipe Joint-2, and Pipe-2 and were from approximately 4.5 bgs. The soil samples were collected under the direction of the Oakland Fire Department. Sample locations are shown on Figure 1.

### Soil Sample Analysis and Results

The samples were transported and submitted to Sparger, a State-certified environmental laboratory, for analysis; the analytical protocol is presented below:

- TPH-G by 8015M
- 5 Oxygenates and BTEX by 8260B
- 1,2 DCA, EDB, Naphthalene by 8260B
- Oil and Grease by 5520
- Total Lead by 6010B

The results of laboratory analysis are summarized below and presented in the attached data Table.

All six soil samples collected from the tank pit during UST removal on January 29, 2013 had reportable concentrations of TPH-G and Oil / Grease. The concentrations of TPH-G ranged from 130 milligrams per kilogram (mg/kg) to 1,700 mg/kg. The concentrations of Oil and Grease ranged from 140 mg/kg to 8,740 mg/kg. Toluene concentrations ranged from 420 micrograms per kilogram (ug/kg) to 3,700 ug/kg. Ethylbenzene concentrations ranged from 790 ug/kg to 15,000 ug/kg. Xylenes concentrations ranged from 5,000 ug/kg to 79,000 ug/kg. Naphthalene concentrations ranged from ND to 17,000 ug/kg. The benzene, MTBE and other oxygenates, and 1,2 DCA concentrations were all non-detect (ND). Lead concentrations were below regulatory action levels.

The results of analyses on soil samples collected from the fuel dispensers and associated piping on January 29, 2013 were generally ND or very low for TPH-G, BTEX, 5 Oxygenates, TBA, 1,2 DCA, and Naphthalene. Dispenser sample UDC-2 had a concentration of 2,080 mg/kg. Lead results were below regulatory action levels, indicative of background soil conditions. Copies of the laboratory reports are included in Attachment D.



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## Summary

The following is a summary of UST removal activities:

- On January 28, 2013, the three 10,000-gallon USTs were emptied and rinsed, with the removed fuel and rinsate transported off-site for disposal.
- On January 29, 2013, the three 10,000-gallon USTs were removed and transported off site for disposal.
- On January 29, 2013, six soil samples were collected from the UST pit. Seven soil samples were collected from beneath the dispensers and associated piping lines.
- Results of laboratory analyses on the soil samples collected on January 29, 2013 from the tank pit had moderate concentrations of TPH-G and Oil & Grease. The tank pit had relatively high concentrations of ethylbenzene, xylenes, and Naphthalene (15,000 ug/kg, 79,000 ug/kg, and 17,000 ug/kg, respectively).
- Benzene, MTBE, other oxygenates, and 1,2 DCA concentrations were all non-detect (ND).
- The fuel dispenser areas and associated piping on January 29, 2013 were generally ND or very low for all constituents.
- No soil was transported offsite.
- Based on field observations and analytical results, the soil beneath the removed USTs is impacted.

Closing

Should you have any questions, please contact me at (916) 778-8719 or Ray James at (916) 369-7688.

Respectfully,



Michael D. Miller  
Professional Geologist 6008



Ray James  
President - Sparger Technology, Inc.

Cc: Mike Ahmadi of GAWFCO, Inc.

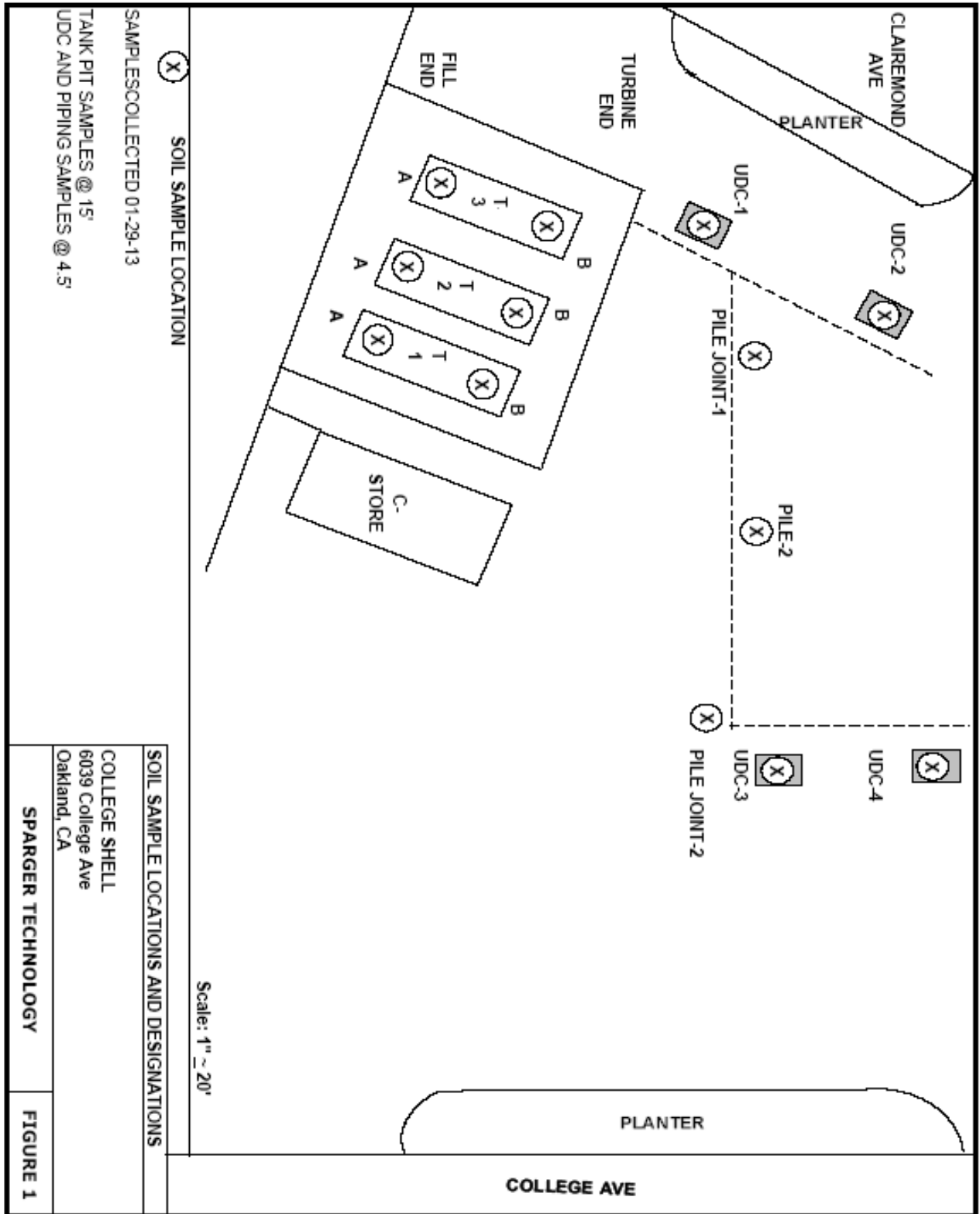
Figure 1	Site map with tank pit, UDC, and stockpile soil sample locations
Table 1	Tabulated laboratory results
Attachment A	Copy of the UST removal permits and State forms
Attachment B	Copy of the manifests for UST rinsate and Copies of the manifests for transport and disposal of the USTs
Attachment C	Photographs taken at the time of the UST removals
Attachment D	Laboratory reports and chain of custody





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Mobile Laboratory Division  
Scientific Division

## FIGURES





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## TABLES

**LABORATORY RESULTS - TANK REMOVAL SOIL SAMPLES - JANUARY 29, 2013  
COLLEGE AVENUE SHELL - OAKLAND, CALIFORNIA**

**January 29, 2013**

Tank Pit, Dispensers, and Product Piping samples

Gas and Oil and Grease units are mg/kg). Volatiles units are ug/kg.													
	TPH-G	OIL / G	B	T	E	X	MTBE	TAME	DIPE	ETBE	TBA	1-2, DCA	NAPTH
T-1A	1700	8740	ND	590	790	5000	ND	ND	ND	ND	ND	ND	ND
T-1B	1300	2040	ND	1100	15000	79000	ND	ND	ND	ND	ND	ND	17000
T-2A	560	640	ND	430	1100	11000	ND	ND	ND	ND	ND	ND	1800
T-2B	130	160	ND	4700	9000	64000	ND	ND	ND	ND	ND	ND	7200
T-3A	480	140	ND	420	850	5800	ND	ND	ND	ND	ND	ND	8400
T-3B	1100	1160	ND	3700	5700	39000	ND	ND	ND	ND	ND	ND	7900
UDC - 1	ND	ND	ND	1.7	8.3	70	ND	ND	ND	ND	ND	ND	6
UDC - 2	ND	2080	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	4.4
UDC - 3	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND
UDC - 4	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
PIPE JOINT - 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PIPE JOINT - 2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PIPE - 2	ND	ND	ND	1.9	7.9	80	ND	ND	ND	ND	ND	ND	7.8

**LABORATORY RESULTS - TANK REMOVAL SOIL SAMPLES - JANUARY 29, 2013  
COLLEGE AVENUE SHELL - OAKLAND, CALIFORNIA**

**January 29, 2013**

Tank Pit, Dispensers, and Product Piping samples

Total Lead (mg/kg)	
	PB
T-1A	7.53
T-1B	6.77
T-2A	4.82
T-2B	7.05
T-3A	6.24
T-3B	9.07
UDC - 1	6.67
UDC - 2	6.09
UDC - 3	6.62
UDC - 4	6.09
PIPE JOINT - 1	12.3
PIPE JOINT - 2	6.65
PIPE - 2	7.07



Environmental Division  
Analytical Laboratory Division  
Mobile Laboratory Division  
Scientific Division

**ATTACHMENT A**

REVIEWED AND APPROVED  
OAKLAND FIRE DEPARTMENT

BY: [Signature]  
TITLE: Senior Haz Mat Ins  
DATE: 1/7/13

**FACILITY INFORMATION**

ALL INSPECTIONS REQUIRE  
Business Type RESTAURANT  
<sup>48</sup> HOUR NOTICE

Facility/Residence Name SHELL GAS STATION  
Site Address 6039 College Ave City OAKLAND Zip 94618  
Contact Person MIKE AHMADI Title PRESIDENT Phone 925-979-0560  
E-Mail MIKE@GAWFCO.COM Cell Phone 415-516-7676  
Owner, Agency, or Corporation Name GAWFCO INC Phone 925-979-0560  
Mailing Address 587 YONACIO VALLEY RD City WALNUT CREEK State CA Zip 94596  
EPA ID Number CAL 000 367017  
Note: Include "Proof of Financial Responsibility" ✓

**CONTRACTOR REMOVING TANK(S) AND PIPING:**

Contractor MVP PETROCEM ENGINEERING, INC.  
Contract Person MARK VENEIRO Phone 916-205-1537  
Business Address PO BOX 281 City FOLSOM Zip 95763  
State Contractors License 768938  
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and Workers Compensation

**HAZARDOUS WASTE HAULERS:**

Hazardous Waste Hauler, Tank(s) ADAMS SERVICES EPA ID # CAL000189431  
Business Address 406 E. ALONDRA BLVD. City GARDENA  
Contact RYDER ADAMS Phone 310-523-4430  
Tank(s) and piping destination SIEMENS WATER TECH. CORP 5375 S. BOYLE AVE VESSELING CA  
Hazardous Waste Hauler (Rinsate) ADAMS SERVICES EPA ID # CAL000189431  
Business address 406 E ALONDRA BLVD City GARDENA  
Contact RYDER ADAMS Phone 310-523-4430  
Note: Include Hauler License No. 3216 License Exp. Date 12/31/12

**SAMPLE COLLECTION AND ANALYSIS:**

Sample Collector RAY JAMES Company SPARGER TECHNOLOGY  
Address 3738 BRADVIEW City SACRAMENTO Phone 916-369-7688  
Soil/Water Analysis Laboratory SPARGER TECHNOLOGY  
State certification No. 1614 Contact RAY JAMES Phone 916-369-7688  
Business Address 3738 BRADVIEW City SACRAMENTO Zip 95827

**TANK(S) INFORMATION**

TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1 <u>10,000</u>	<u>SLW FIBERGLASS</u>	<u>87 Gasoline</u>
TANK 2 <u>10,000</u>	<u>"</u>	<u>89 Gasoline</u>
TANK 3 <u>10,000</u>	<u>"</u>	<u>91 Gasoline</u>
TANK 4		

REVIEWED AND APPROVED  
OAKLAND FIRE DEPARTMENT  
BY: [Signature]  
TITLE: Standard Work Mat EWSR  
DATE: 1/2/13

ALL INSPECTIONS REQUIRE  
OFFICE

**"PROCEDURES TO CLOSE UNDERGROUND STORAGE TANK(S) SYSTEMS"**

- 1) Submit to the City of Oakland Office of the Fire Marshal (OFM) three (3) completed **Underground Storage Tank System Closure Permit Application**. Prepare State Water Resources Control Board Facility and Tank Pages. These Forms are available from the OFM or you may download the forms by logging on to [www.unidocs.org](http://www.unidocs.org).
  - Include a complete **Tank Page** for each tank to be closed.
  - Include a complete **Facility Page (if)** tank to be closed is home heating oil, or non-regulated.
  - One complete copy of your approved plan must be at the construction site at all the times.
  - Any cutting into tanks requires OFM approval.
  
- 2) Include with the submitted application a check payable to the City of Oakland for the amount of the designated fee, workmen's compensation insurance verification, and plot plan drawing. The drawing consists of a scaled view of the facility which shows the tank(s) location and the following information:
  - Scale
  - North Arrow
  - Property Line
  - Location of structures near the tank(s)
  - Location of relevant existing equipment (including the tank(s) to be removed), associated piping, and fuel dispensers
  - Area Roadways
  - Underground conduits, sewers water lines utilities
  - Existing wells; drinking, monitoring, etc.
  - Depth of ground water
  
- 3) The OFM must be notified a minimum of 48 hours, two (2) days prior to commencement of work in order to schedule a removal inspection. The removal inspection appointment **must be confirmed with the district inspector**. A representative of the OFM must be present at the time of removal.
  
- 4) A site specific Health and Safety Plan must be submitted for review and available at the job site. Underground Service Alert must be contacted at 800-642-2444 prior to the start of any excavation.
  
- 5) A Tank Closure Report must be submitted within 30 days of removal/closure operations completed, containing a general description of the closure activities indicating:
  - Description of tank, fittings and piping conditions. Size and former contents; notes any corrosion, pitting, holes. If any leak(s) are suspected from any tank an unauthorized Leak/Contamination Report form must be included.
  - Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water,



locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen.

- Detailed description of sampling methods, i.e. – backhoe bucket, drive sampler, bailer, bottles, sleeves.
- Description of any remedial measures conducted at the time of removal.
- To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depth, and tank and piping locations include a copy of the plot prepared for the Tank System Closure Plan Permit Application under item # 2).
- Chain of custody records.
- Copies of signed laboratory reports.
- Copies of TSDF to Generator manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.).
- Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

The Closure Report and conclusions are subject to critical review; and the report must be approved by the OFM to be recognized as valid.


6) An additional hourly fee will be charged for inspection time exceeding four (4) hours.

The listed items are general closure requirements, modifications may be necessary in certain situations. A deficient application or incomplete information will only cause a delay in the permit process, if you have any questions or need assistance call the OFM at (510) 238-3927. The Underground Storage Tank System Closure Permit expires **365 days** from the approval date. If the tanks have not been closed/removed within **365 days**, a new closure permit application and fees are required. The closure/removal activities must be scheduled **48 hours** in advance.


REVIEWED AND APPROVED
OAKLAND FIRE DEPARTMENT
BY: <i>[Signature]</i>
TITLE: <i>Sanjour HAZ MAT Insp.</i>
DATE: <i>1/7/13</i>
ALL INSPECTIONS REQUIRE 48 HOURS NOTICE

**Applicant Declaration:**

I certify the application information is correct and factual. I declare that I have read and will follow the "procedures to Close Underground Storage tank(s) Systems." I further agree to comply with all applicable City of Oakland Ordinances; Fire Code; Health and Safety Code Chapter 6.7; Title 23, California Code of Regulations.

Applicant MARK VENDORO Applicant  Date 12/10/12  
Print Signature

"This box for OFM use only"

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Inspectors Signature  Approval Date 1/7/13

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430  
 1. NEW PERMIT                       3. RENEWAL PERMIT                       5. CHANGE OF INFORMATION  
 6. TEMPORARY UST CLOSURE                       7. UST PERMANENT CLOSURE ON SITE                       8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a                      DATE EXISTING UST DISCOVERED: 430b

**I. FACILITY INFORMATION**

FACILITY ID # (Agency Use Only) \_\_\_\_\_

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3  
*College Steel*

BUSINESS SITE ADDRESS 103                      CITY 104  
*6039 College Ave*                      *OAKLAND*

**II. TANK DESCRIPTION**

TANK ID # 432                      TANK MANUFACTURER 433                      TANK CONFIGURATION: THIS TANK IS 434

*3*                      *Owens Corning*                       1. A STAND-ALONE TANK  
 2. ONE IN A COMPARTMENTED UNIT.  
Complete one page for each compartment in the unit.

DATE UST SYSTEM INSTALLED 435                      TANK CAPACITY IN GALLONS 436                      NUMBER OF COMPARTMENTS IN THE UNIT 437  
*UNK*                      *10,000*                      *1*

**III. TANK USE AND CONTENTS**

TANK USE 439  
 1a. MOTOR VEHICLE FUELING                       1b. MARINA FUELING                       1c. AVIATION FUELING  
 3. CHEMICAL PRODUCT STORAGE                       4. HAZARDOUS WASTE (Includes Used Oil)                       5. EMERGENCY GENERATOR FUEL (HSC §25281.5(c))  
 6. OTHER GENERATOR FUEL                       95. UNKNOWN                       99. OTHER (Specify): 439a

CONTENTS 440  
 PETROLEUM:  1a. REGULAR UNLEADED                       1c. MIDGRADE UNLEADED                       1b. PREMIUM UNLEADED  
 3. DIESEL                       5. JET FUEL                       6. AVIATION GAS  
 8. PETROLEUM BLEND FUEL                       9. OTHER PETROLEUM (Specify): 440a

NON-PETROLEUM:  7. USED OIL                       10. ETHANOL  
 11. OTHER NON-PETROLEUM (Specify): 440b

**IV. TANK CONSTRUCTION**

TYPE OF TANK 443  
 1. SINGLE WALL                       2. DOUBLE WALL                       95. UNKNOWN

PRIMARY CONTAINMENT 444  
 1. STEEL                       3. FIBERGLASS                       6. INTERNAL BLADDER  
 7. STEEL + INTERNAL LINING                       95. UNKNOWN                       99. OTHER (Specify): 444a

SECONDARY CONTAINMENT 445  
 1. STEEL                       3. FIBERGLASS                       6. EXTERIOR MEMBRANE LINER                       7. JACKETED  
 99. NONE                       95. UNKNOWN                       99. OTHER (Specify): 445a

OVERFILL PREVENTION 452  
 1. AUDIBLE & VISUAL ALARMS                       2. BALL FLOAT                       3. FILL TUBE SHUT-OFF VALVE  
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

**V. PRODUCT/WASTE PIPING CONSTRUCTION**

PIPING CONSTRUCTION 460  
 1. SINGLE-WALLED                       2. DOUBLE-WALLED                       99. OTHER

SYSTEM TYPE 458  
 1. PRESSURE                       2. GRAVITY                       3. CONVENTIONAL SUCTION                       4. SAFE SUCTION [23 CCR §2616(a)(1)]

PRIMARY CONTAINMENT 464  
 1. STEEL                       4. FIBERGLASS                       8. FLEXIBLE                       10. RIGID PLASTIC  
 99. NONE                       95. UNKNOWN                       99. OTHER (Specify): 464a

SECONDARY CONTAINMENT 464b  
 1. STEEL                       4. FIBERGLASS                       8. FLEXIBLE                       10. RIGID PLASTIC  
 99. NONE                       95. UNKNOWN                       99. OTHER (Specify): 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE 464d  
 1. SINGLE WALL                       2. DOUBLE WALL                       99. NONE

**VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION**

VENT PRIMARY CONTAINMENT 464e  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464e1

VENT SECONDARY CONTAINMENT 464f  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464f1

VR PRIMARY CONTAINMENT 464g  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464g1

VR SECONDARY CONTAINMENT 464h  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464h1

VENT PIPING TRANSITION SUMP TYPE 464i  
 1. SINGLE WALL                       2. DOUBLE WALL                       99. NONE

RISER PRIMARY CONTAINMENT 464j  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464j1

RISER SECONDARY CONTAINMENT 464k  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. NONE                       99. OTHER (Specify): 464k1

FILL COMPONENTS INSTALLED 451a-c  
 1. SPILL BUCKET                       3. STRIKER PLATE/BOTTOM PROTECTOR                       4. CONTAINMENT SUMP

**VII. UNDER-DISPENSER CONTAINMENT (UDC)**

CONSTRUCTION TYPE 469a  
 1. SINGLE WALL                       2. DOUBLE WALL                       3. NO DISPENSERS                       99. NONE

CONSTRUCTION MATERIAL 469b-c  
 1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. OTHER (Specify):

**VIII. CORROSION PROTECTION**

STEEL COMPONENT PROTECTION 448  
 2. SACRIFICIAL ANODE(S)                       4. IMPRESSED CURRENT                       6. ISOLATION

**IX. APPLICANT SIGNATURE**

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE 470                      DATE 470  
*M. Ahmad*                      *11/19/12*

APPLICANT NAME (print) 471                      APPLICANT TITLE 472  
*MuHAMMAD N. AHMADI "MIKE"*                      *President*

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION (One form per UST)**

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430  
 1. NEW PERMIT                       3. RENEWAL PERMIT                       5. CHANGE OF INFORMATION  
 6. TEMPORARY UST CLOSURE                       7. UST PERMANENT CLOSURE ON SITE                       8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a                      DATE EXISTING UST DISCOVERED: 430b

**I. FACILITY INFORMATION**

FACILITY ID # (Agency Use Only) \_\_\_\_\_ 1

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) College Shell 3

BUSINESS SITE ADDRESS 1039 College Ave 103 CITY OAKLAND 304

**II. TANK DESCRIPTION**

TANK ID # 2 432 TANK MANUFACTURER Owens Corning 433 TANK CONFIGURATION: THIS TANK IS  
 1. A STAND-ALONE TANK  
 2. ONE IN A COMPARTMENTED UNIT.  
Complete one page for each compartment in the unit.

DATE UST SYSTEM INSTALLED ONE 435 TANK CAPACITY IN GALLONS 10,000 436 NUMBER OF COMPARTMENTS IN THE UNIT 437

**III. TANK USE AND CONTENTS**

TANK USE  1a. MOTOR VEHICLE FUELING                       1b. MARINA FUELING                       1c. AVIATION FUELING 439  
 3. CHEMICAL PRODUCT STORAGE                       4. HAZARDOUS WASTE (Includes Used Oil)                       5. EMERGENCY GENERATOR FUEL [HSC §25281.5(a)] 439a  
 6. OTHER GENERATOR FUEL                       95. UNKNOWN                       99. OTHER (Specify): \_\_\_\_\_ 439a

CONTENTS PETROLEUM:  1a. REGULAR UNLEADED                       1c. MIDGRADE UNLEADED                       1b. PREMIUM UNLEADED 440  
 3. DIESEL                       5. JET FUEL                       6. AVIATION GAS 440  
 8. PETROLEUM BLEND FUEL                       9. OTHER PETROLEUM (Specify): \_\_\_\_\_ 440a

NON-PETROLEUM:  7. USED OIL                       10. ETHANOL                       11. OTHER NON-PETROLEUM (Specify): \_\_\_\_\_ 440b

**IV. TANK CONSTRUCTION**

TYPE OF TANK  1. SINGLE WALL                       2. DOUBLE WALL                       95. UNKNOWN 443

PRIMARY CONTAINMENT  1. STEEL                       3. FIBERGLASS                       6. INTERNAL BLADDER 444  
 7. STEEL + INTERNAL LINING                       95. UNKNOWN                       99. OTHER (Specify): \_\_\_\_\_ 444a

SECONDARY CONTAINMENT  1. STEEL                       3. FIBERGLASS                       6. EXTERIOR MEMBRANE LINER                       7. JACKETED 445  
 90. NONE                       95. UNKNOWN                       99. OTHER (Specify): \_\_\_\_\_ 445a

OVERFILL PREVENTION  1. AUDIBLE & VISUAL ALARMS                       2. BALL FLOAT                       3. FILL TUBE SHUT-OFF VALVE 452  
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

**V. PRODUCT/WASTE PIPING CONSTRUCTION**

PIPING CONSTRUCTION  1. SINGLE-WALLED                       2. DOUBLE-WALLED                       99. OTHER 460

SYSTEM TYPE  1. PRESSURE                       2. GRAVITY                       3. CONVENTIONAL SUCTION                       4. SAFE SUCTION [23 CCR §2636(a)(3)] 458

PRIMARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       8. FLEXIBLE                       10. RIGID PLASTIC 464  
 90. NONE                       95. UNKNOWN                       99. OTHER (Specify): \_\_\_\_\_ 464a

SECONDARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       8. FLEXIBLE                       10. RIGID PLASTIC 464b  
 90. NONE                       95. UNKNOWN                       99. OTHER (Specify): \_\_\_\_\_ 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE  1. SINGLE WALL                       2. DOUBLE WALL                       90. NONE 464d

**VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION**

VENT PRIMARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464e  
 464e1

VENT SECONDARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464f  
 464f1

VR PRIMARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464g  
 464g1

VR SECONDARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464h  
 464h1

VENT PIPING TRANSITION SUMP TYPE  1. SINGLE WALL                       2. DOUBLE WALL                       90. NONE 464i

RISER PRIMARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464j  
 464j1

RISER SECONDARY CONTAINMENT  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       90. NONE                       99. OTHER (Specify) 464k  
 464k1

FILL COMPONENTS INSTALLED  1. SPILL BUCKET                       3. STRIKER PLATE/BOTTOM PROTECTOR                       4. CONTAINMENT SUMP 451a-c

**VII. UNDER DISPENSER CONTAINMENT (UDC)**

CONSTRUCTION TYPE  1. SINGLE WALL                       2. DOUBLE WALL                       3. NO DISPENSERS                       90. NONE 469a

CONSTRUCTION MATERIAL  1. STEEL                       4. FIBERGLASS                       10. RIGID PLASTIC                       99. OTHER (Specify) 469b-c

**VIII. CORROSION PROTECTION**

STEEL COMPONENT PROTECTION  2. SACRIFICIAL ANODE(S)                       4. IMPRESSED CURRENT                       6. ISOLATION 448

**IX. APPLICANT SIGNATURE**

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE M. N. Ahmadi DATE 11/19/12 470

APPLICANT NAME (print) MOHAMMED N. AHMADI "MIKE" 471 APPLICANT TITLE President 472

**UNIFIED PROGRAM CONSOLIDATED FORM  
UNDERGROUND STORAGE TANK  
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430  
 1. NEW PERMIT  3. RENEWAL PERMIT  5. CHANGE OF INFORMATION  
 6. TEMPORARY UST CLOSURE  7. UST PERMANENT CLOSURE ON SITE  8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a DATE EXISTING UST DISCOVERED: 430b

**I. FACILITY INFORMATION**

FACILITY ID # (Agency Use Only) 1  
 BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3  
*College Shell*  
 BUSINESS SITE ADDRESS 103 CITY 104  
*6039 College Ave* *OAKLAND*

**II. TANK DESCRIPTION**

TANK ID # 432 TANK MANUFACTURER 433 TANK CONFIGURATION: THIS TANK IS 434  
*1* *Owens Corning*  
 1. A STAND-ALONE TANK  
 2. ONE IN A COMPARTMENTED UNIT.  
 DATE UST SYSTEM INSTALLED 435 TANK CAPACITY IN GALLONS 436 NUMBER OF COMPARTMENTS IN THE UNIT 437  
*DATE* *10,000* *1*

**III. TANK USE AND CONTENTS**

TANK USE  1a. MOTOR VEHICLE FUELING  1b. MARINA FUELING  1c. AVIATION FUELING 439  
 3. CHEMICAL PRODUCT STORAGE  4. HAZARDOUS WASTE (Includes Used Oil)  5. EMERGENCY GENERATOR FUEL (HSC §25281.5(c))  
 6. OTHER GENERATOR FUEL  95. UNKNOWN  99. OTHER (Specify): 439a  
 CONTENTS PETROLEUM:  1a. REGULAR UNLEADED  1c. MIDGRADE UNLEADED  1b. PREMIUM UNLEADED 440  
 3. DIESEL  5. JET FUEL  6. AVIATION GAS  
 8. PETROLEUM BLEND FUEL  9. OTHER PETROLEUM (Specify): 440a  
 NON-PETROLEUM:  7. USED OIL  10. ETHANOL 440b  
 11. OTHER NON-PETROLEUM (Specify):

**IV. TANK CONSTRUCTION**

TYPE OF TANK  1. SINGLE WALL  2. DOUBLE WALL  95. UNKNOWN 443  
 PRIMARY CONTAINMENT  1. STEEL  3. FIBERGLASS  6. INTERNAL BLADDER 444  
 7. STEEL + INTERNAL LINING  95. UNKNOWN  99. OTHER (Specify): 444a  
 SECONDARY CONTAINMENT  1. STEEL  3. FIBERGLASS  6. EXTERIOR MEMBRANE LINER  7. JACKETED 445  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 445a  
 OVERFILL PREVENTION  1. AUDIBLE & VISUAL ALARMS  2. BALL FLOAT  3. FILL TUBE SHUT-OFF VALVE 452  
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

**V. PRODUCT / WASTE PIPING CONSTRUCTION**

PIPING CONSTRUCTION  1. SINGLE-WALLED  2. DOUBLE-WALLED  99. OTHER 460  
 SYSTEM TYPE  1. PRESSURE  2. GRAVITY  3. CONVENTIONAL SUCTION  4. SAFE SUCTION (23 CCR §2636(e)(3)) 458  
 PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  8. FLEXIBLE  10. RIGID PLASTIC 461  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 464a  
 SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  8. FLEXIBLE  10. RIGID PLASTIC 464b  
 90. NONE  95. UNKNOWN  99. OTHER (Specify): 464c  
 PIPING/TURBINE CONTAINMENT SUMP TYPE  1. SINGLE WALL  2. DOUBLE WALL  90. NONE 464d

**VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION**

VENT PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464e  
 1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464f  
 VENT SECONDARY CONTAINMENT 464f  
 VR PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464g  
 VR SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464h  
 VENT PIPING TRANSITION SUMP TYPE  1. SINGLE WALL  2. DOUBLE WALL  90. NONE 464i  
 RISER PRIMARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464j  
 RISER SECONDARY CONTAINMENT  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  90. NONE  99. OTHER (Specify) 464k  
 FILL COMPONENTS INSTALLED  1. SPILL BUCKET  3. STRIKER PLATE/BOTTOM PROTECTOR  4. CONTAINMENT SUMP 451a-c

**VII. UNDER DISPENSER CONTAINMENT (UDC)**

CONSTRUCTION TYPE  1. SINGLE WALL  2. DOUBLE WALL  3. NO DISPENSERS  90. NONE 469a  
 CONSTRUCTION MATERIAL  1. STEEL  4. FIBERGLASS  10. RIGID PLASTIC  99. OTHER (Specify) 469b-c

**VIII. CORROSION PROTECTION**

STEEL COMPONENT PROTECTION  2. SACRIFICIAL ANODE(S)  4. IMPRESSED CURRENT  6. ISOLATION 448

**IX. APPLICANT SIGNATURE**

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.  
 APPLICANT SIGNATURE 470 DATE 470  
*M. Ahmed* *11/19/12*  
 APPLICANT NAME (print) 471 APPLICANT TITLE 472  
*MOHAMMED N. AHMADI "MIKE"* *President*



Environmental Division  
Analytical Laboratory Division  
Mobile Laboratory Division  
Scientific Division

**ATTACHMENT B**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAL080367017</b>		2. Page 1 of <b>1</b>		3. Emergency Response Phone <b>415 516-7676</b>		4. Manifest Tracking Number <b>010396269 JJK</b>				
		5. Generator's Name and Mailing Address <b>RETAILMART RETAIL GROUP INC. 587 YONACIO VALLEY ROAD WALNUT CREEK, CA 94596 925 979-0560 Attn: MIKE ARMADI</b>						Generator's Site Address (if different than mailing address) <b>COLLEGE SHILL 6039 COLLEGE AVENUE OAKLAND, CA 94618</b>				
6. Transporter 1 Company Name <b>ADAMS SERVICES, INC.</b>								U.S. EPA ID Number <b>CARD00189431</b>				
7. Transporter 2 Company Name								U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>DIEMENHO/KERRIDON 2000 N. ALAMEDA STREET COMPTON, CA 90222 310 537-7100</b>								U.S. EPA ID Number <b>CAT080013352</b>				
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		1. <b>NON-FLAM HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)</b>				No. Type		<b>700</b>	<b>6</b>	<b>241</b>		
		2.										
		3.										
		4.										
14. Special Handling Instructions and Additional Information <b>AVOID EYE CONTACT &amp; WEAR PROTECTIVE GLOVES CONTRACTOR: 877 OILFIELD ENGINEERING, INC</b>												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offoror's Printed/Typed Name <b>Harold Speelman</b>						Signature <i>Harold Speelman</i>			Month Day Year <b>1 28 13</b>			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____												
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>CHAD CHRISTIE</b> Signature <i>Chad Christie</i> Month Day Year <b>01 28 13</b> Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____												
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input checked="" type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Excess liquid not on bill</b> Manifest Reference Number: _____												
18b. Alternate Facility (or Generator)								U.S. EPA ID Number				
Facility's Phone: _____												
18c. Signature of Alternate Facility (or Generator)									Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. _____ 2. _____ 3. _____ 4. _____												
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name <b>Marvin Verduzco</b> Signature <i>Marvin Verduzco</i> Month Day Year <b>02 05 13</b>												

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CAL000367017</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>415 516-7676</b>	4. Manifest Tracking Number <b>010396270 JJK</b>					
5. Generator's Name and Mailing Address <b>PETROMART RETAIL GROUP INC 587 YONACIO VALLEY ROAD WALNUT CREEK, CA 94598</b>			Generator's Site Address (if different than mailing address) <b>COLLEGE SHELL 6039 COLLEGE AVENUE OAKLAND, CA 94618</b>						
Generator's Phone: <b>925 979-0560 Attn: MIKE ARSADI</b>									
6. Transporter 1 Company Name <b>ADAMS SERVICES, INC.</b>			U.S. EPA ID Number <b>CAR000189431</b>						
7. Transporter 2 Company Name			U.S. EPA ID Number						
8. Designated Facility Name and Site Address <b>SIEMENS INDUSTRY, INC. 5375 SOUTH BOYLE AVE. LOS ANGELES, CA 90058</b>			U.S. EPA ID Number <b>CAD097030993</b>						
Facility's Phone: <b>323 277-1500</b>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
			No.	Type					
		<b>1. NON-FLAMMABLE HAZARDOUS WASTE SOLID (UNDERGROUND STORAGE TANK)</b>	<b>1</b>	<b>DT</b>	<b>1.5</b>	<b>T</b>	<b>512</b>		
		2.							
		3.							
	4.								
14. Special Handling Instructions and Additional Information <b>AVOID EYE CONTACT &amp; WEAR RUBBER GLOVES      ETC 129      PROFILE: AP197508      2586407</b> <b>CONTRACTOR: MVE PETROLEUM ENGINEERING, INC      LOAD #R886405      D 18/13</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offeror's Printed/Typed Name <b>X MARK VANDERKAM</b>						Signature <i>[Signature]</i>		Month Day Year <b>01   29   13</b>	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.    Port of entry/exit: _____ Transporter signature (for exports only): _____    Date leaving U.S.: _____								
	17. Transporter Acknowledgment of Receipt of Materials								
TRANSPORTER	Transporter 1 Printed/Typed Name <b>Henry Gonzalez</b>						Signature <i>[Signature]</i>		Month Day Year <b>1   29   13</b>
	Transporter 2 Printed/Typed Name						Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	18b. Alternate Facility (or Generator)    Manifest Reference Number: _____    U.S. EPA ID Number _____								
	Facility's Phone: _____								
	18c. Signature of Alternate Facility (or Generator)    Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <b>Manoel Mendona</b>						Signature <i>[Signature]</i>		Month Day Year <b>1   30   13</b>	



# SIEMENS

Siemens Industry, Inc.

## Certificate of Treatment, Waste Management or Recycling

*Issued To:*

MIKE AHMADI  
PETROMART RETAIL GROUP/COLLEGE SHELL  
6039 COLLEGE AVENUE  
OAKLAND, CA 94618

*This Certifies That:*

Manifest Number: 010396270JJK

Date Received: 1/30/2013

The waste described on the above manifest was received and accepted by Siemens Industry, Inc. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Industry, Inc. wastewater treatment system treats wastewaters by removing toxic and hazardous constituents, discharging the treated water to the sewer operated by County Sanitation Districts of Los Angeles County, where it is further treated or recycled. Residues and other components of the waste may be recycled where provided for under Federal, State and local regulations.

The processing of the waste by Siemens Industry, Inc. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	Generator ID Number <b>CAL000367017</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>415 516-7676</b>	4. Manifest/Tracking Number <b>010396271 JJK</b>
---	--	-----------------------	--	---

5. Generator's Name and Mailing Address: **PETSMART RETAIL GROUP INC., 587 TONACIO VALLEY ROAD, WALNUT CREEK, CA 94596**  
 Generator's Site Address (if different than mailing address): **COLLEGE SHELL, 6039 COLLEGE AVENUE, OAKLAND, CA 94618**

6. Transporter 1 Company Name: **HOVA TRANSPORTATION, INC.**  
 U.S. EPA ID Number: **CAD991425653**

7. Transporter 2 Company Name: \_\_\_\_\_  
 U.S. EPA ID Number: \_\_\_\_\_

8. Designated Facility Name and Site Address: **SIMENS INDUSTRY, INC., 5375 SOUTH BOYLE AVE., LOS ANGELES, CA 90068**  
 U.S. EPA ID Number: **CAD097030993**

Facility's Phone: **323 272-1000**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Gross Quantity	12. Unit (WT/VOL)	13. Waste Codes	
		No.	Type			1	2
1	<b>1.5L FLUORANTHRAcene WASTE SUBSTANCE (UNDERGROUND STORAGE TANK)</b>	1	DR	1.5	1	612	
2							
3							
4							

14. Special Handling Instructions and Additional Information:  
**AVOID EYE CONTACT & WEAR RUBBER GLOVES**  
**CONTRACTOR: MVT EXTRUSION ENGINEERING, INC.**  
**REG 100 PROFILE CAL107508**  
**LOAD #2569400**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name: **X WHITE VENDOR INC**  
 Signature: *[Signature]*  
 Month/Day/Year: **01/29/13**

16. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **X George Hoyt**  
 Signature: *[Signature]*  
 Month/Day/Year: **01/29/13**

Transporter 2 Printed/Typed Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Month/Day/Year: \_\_\_\_\_

18. Discrepancy  
 18a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

18b. Alternate Facility (or Generator)  
 Manifest Reference Number: \_\_\_\_\_ U.S. EPA ID Number: \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator)  
 Signature: \_\_\_\_\_ Month/Day/Year: \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.  
 Printed/Typed Name: **X Marcos Mendosa**  
 Signature: *[Signature]*  
 Month/Day/Year: **1/30/13**

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

# SIEMENS

Siemens Industry, Inc.

## Certificate of Treatment, Waste Management or Recycling

***Issued To:***

**MIKE AHMADI  
PETROMART RETAIL GROUP/COLLEGE SHELL  
6039 COLLEGE AVENUE  
OAKLAND, CA 94618**

***This Certifies That:***

**Manifest Number: 010396271JJK**

**Date Received: 1/30/2013**

The waste described on the above manifest was received and accepted by Siemens Industry, Inc. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Industry, Inc. wastewater treatment system treats wastewaters by removing toxic and hazardous constituents, discharging the treated water to the sewer operated by County Sanitation Districts of Los Angeles County, where it is further treated or recycled. Residues and other components of the waste may be recycled where provided for under Federal, State and local regulations.

The processing of the waste by Siemens Industry, Inc. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>CAL000367017</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>415 516-7676</b>	4. Manifest Tracking Number <b>010396272 JJK</b>	
5. Generator's Name and Mailing Address <b>PETRIHART RETAIL GROUP INC.</b> <b>507 TUNACIO VALLEY ROAD</b> <b>WALNUT CREEK, CA 94596</b>					
Generator's Site Address (if different than mailing address) <b>COLLEGE SHELL</b> <b>6039 COLLEGE AVENUE</b> <b>OAKLAND, CA 94612</b>					
6. Transporter 1 Company Name and U.S. EPA ID Number <b>HEFT TRANSPORTATION, INC.</b> <b>CAD981425653</b>					
7. Transporter 2 Company Name U.S. EPA ID Number					
8. Designated Facility Name and Site Address <b>SIEMENS INDUSTRY, INC.</b> <b>5375 SOUTH BOYLE AVE.</b> <b>LOS ANGELES, CA 90058</b>					
Facility's Phone: <b>323 377-1500</b> U.S. EPA ID Number: <b>CAD097030993</b>					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	10. Containers	11. Total Quantity	12. Waste Codes
		1. <b>NON-PCPA WASHING WASTE SOLID (UNREMOVED SILLAGE TANK)</b>	No. <b>1</b> Type <b>DR</b>	<b>1.5</b>	<b>812</b>
		2.			
		3.			
		4.			
14. Special Handling Instructions and Additional Information: <b>AVOID SHOCK, HEAT, RUBBER GLOVES</b> <b>CONTRACTOR: MIP INDUSTRIAL EQUIPMENT, INC.</b> <b>LOAD #186407</b> <b>AS 86406</b> <b>DR 81515</b>					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials				
	Transporter 1 Printed/Typed Name <b>Frank Dominguez</b>	Signature <i>[Signature]</i>	Month <b>1</b>	Day <b>27</b>	Year <b>13</b>
DESIGNATED FACILITY	18. Discrepancy				
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____				
	18b. Alternate Facility (or Generator) U.S. EPA ID Number				
	18c. Signature of Alternate Facility (or Generator) Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name: <b>Vivian Mendosa</b> Signature: <i>[Signature]</i> Month: <b>1</b> Day: <b>30</b> Year: <b>13</b>					

# SIEMENS

Siemens Industry, Inc.

## Certificate of Treatment, Waste Management or Recycling

***Issued To:***

**MIKE AHMADI  
PETROMART RETAIL GROUP/COLLEGE SHELL  
6039 COLLEGE AVENUE  
OAKLAND, CA 94618**

***This Certifies That:***

**Manifest Number: 010396272JJK**

**Date Received: 1/30/2013**

The waste described on the above manifest was received and accepted by Siemens Industry, Inc. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Industry, Inc. wastewater treatment system treats wastewaters by removing toxic and hazardous constituents, discharging the treated water to the sewer operated by County Sanitation Districts of Los Angeles County, where it is further treated or recycled. Residues and other components of the waste may be recycled where provided for under Federal, State and local regulations.

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAL000367017</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>415 516-7676</b>	4. Manifest Tracking Number <b>010396273 JJK</b>		
5. Generator's Name and Mailing Address <b>PETSMART RETAIL GROUP INC. 587 YGNACIO VALLEY ROAD WALNUT CREEK, CA 94596</b>			Generator's Site Address (if different than mailing address) <b>COLLEGE SHELL 8039 COLLEGE AVENUE OAKLAND, CA 94618</b>				
Generator's Phone: <b>925 979-0560 Attn:MIKE AHMADI</b>							
6. Transporter 1 Company Name <b>ADAMS SERVICES, INC.</b>			U.S. EPA ID Number <b>CAR000189431</b>				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>SIEMENS INDUSTRY, INC. 5375 SOUTH BOYLE AVE. LOS ANGELES, CA 90058</b>			U.S. EPA ID Number <b>CAD097030993</b>				
Facility's Phone: <b>323 277-1500</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
		<b>1. NON-FLAMMABLE HAZARDOUS WASTE SOLID FIBERGLASS/STEEL PIPING: WDC PANS; CONSI DEBRIS</b>	<b>1</b>	<b>DT</b>	<b>1000</b>	<b>P</b>	<b>181</b>
		<b>2.</b>					
		<b>3.</b>					
	<b>4.</b>						
14. Special Handling Instructions and Additional Information <b>AVOID EYE CONTACT &amp; WEAR RUBBER GLOVES CONTRACTOR: MVP PETROLEUM ENGINEERING, INC. ERG 126 PROFILE #AD197507 LOAD #RS86408</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name <b>K MIKE VANDER...</b>		Signature <i>[Signature]</i>		Month Day Year <b>01 29 13</b>			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <b>RAY SCHOTT</b>		Signature <i>[Signature]</i>		Month Day Year <b>01 29 13</b>		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____						
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>MARCOS MENDOZA</b>		Signature <i>[Signature]</i>		Month Day Year <b>12 11 13</b>			

# SIEMENS

Siemens Industry, Inc.

## Certificate of Treatment, Waste Management or Recycling

***Issued To:***

**MIKE AHMADI  
PETROMART RETAIL GROUP/COLLEGE SHELL  
6039 COLLEGE AVENUE  
OAKLAND, CA 94618**

***This Certifies That:***

Manifest Number: **010396273JJK**

Date Received: **2/4/2013**

The waste described on the above manifest was received and accepted by Siemens Industry, Inc. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Industry, Inc. wastewater treatment system treats wastewaters by removing toxic and hazardous constituents, discharging the treated water to the sewer operated by County Sanitation Districts of Los Angeles County, where it is further treated or recycled. Residues and other components of the waste may be recycled where provided for under Federal, State and local regulations.

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Environmental Division  
Analytical Laboratory Division  
Mobile Laboratory Division  
Scientific Division

**ATTACHMENT C**



**College Ave Shell - Oakland - UST Removal**





Environmental Division  
Analytical Laboratory Division  
Mobile Laboratory Division  
Scientific Division

**ATTACHMENT D**

Mark Vendeiro  
MVP Petroleum Engineer Inc.  
P.O. Box 281  
Folsom, CA 957630281

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Client	MVP Petroleum Engineer Inc.
Workorder	20508 College Ave Shell
Received	01/29/13

---

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.



---

Ray James  
Laboratory Director

Mark Vendeiro  
MVP Petroleum Engineering Inc.  
P.O. Box 281  
Folsom, CA 957630281

**Workorder** 20508

Enclosed are the results from samples received on January 29, 2013.

The requested analyses are listed below.

<b>SAMPLE</b>	<b>SAMPLE DESCRIPTION</b>	<b>DATE COLLECTED</b>	<b>TEST METHOD</b>
20508001	T1-A, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508002	T1-B, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508003	T2-A, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508004	T2-B, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508005	T3-A, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508006	T3-B, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508007	UDC-1, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508008	UDC-2, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S

**Workorder** 20508

<b>SAMPLE</b>	<b>SAMPLE DESCRIPTION</b>	<b>DATE COLLECTED</b>	<b>TEST METHOD</b>
20508009	UDC-3, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508010	UDC-4, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508011	Pile Joint-1, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508012	Pile Joint-2, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S
20508013	Pile-2, Soil	01/29/13	8015B TPHgas S EPA 1664 O&G 8260B BTEX/FOC S 6010B S

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508001  
Sample ID T1-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	02/08/13	02/08/13	1700	50 mg/Kg	1:100

**Surrogates**

Result	Recovery	Limits
Trifluorotoluene <sup>1</sup> 00 ug/kg	0 %	(65 - 135)

Laboratory ID 20508001  
Sample ID T1-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	8740	50 mg/Kg	1:1

Laboratory ID 20508001  
Sample ID T1-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	50 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	590	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	790	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	5000	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	200 ug/kg	1:100

**Surrogates**

Result	Recovery	Limits
1,2-Dichloroethane-d4 46 ug/kg	92 %	(65 - 135)

1 - Loss of surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508001  
Sample ID T1-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	02/12/13	02/14/13	7.53	1.0 mg/Kg	1:1

Laboratory ID 20508002  
Sample ID T1-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	02/08/13	02/08/13	1300	50 mg/Kg	1:100

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene <sup>1</sup>	00 ug/kg	0 %	(65 - 135)

Laboratory ID 20508002  
Sample ID T1-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	2040	50 mg/Kg	1:1

Laboratory ID 20508002  
Sample ID T1-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	10000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	500 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	1100	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	15000	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	79000	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	17000	2000 ug/kg	1:1000

1 - Loss of surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

**Client ID** MVP Petroleum Engineer Inc.  
**Workorder #** 20508  
**Laboratory ID** 20508002  
**Sample ID** T1-B  
**Matrix** Soil

**Workorder ID** College Ave Shell  
**Sampled** 01/29/13  
**Received** 01/29/13  
**Reported** 02/15/13

**8260B BTEX/Oxygenates - 8260B BTEX/FOC S (continued)**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/kg	102 %	(65 - 135)

<b>Laboratory ID</b>	20508002	<b>Sampled</b>	01/29/13
<b>Sample ID</b>	T1-B	<b>Received</b>	01/29/13
<b>Matrix</b>	Soil	<b>Reported</b>	02/15/13

**6010B METALS**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>Lead</b>	6010B S	02/12/13	02/14/13	6.77	1.0 mg/Kg	1:1

<b>Laboratory ID</b>	20508003	<b>Sampled</b>	01/29/13
<b>Sample ID</b>	T2-A	<b>Received</b>	01/29/13
<b>Matrix</b>	Soil	<b>Reported</b>	02/15/13

**8015B TPH Gas**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>TPHgas</b>	8015B TPHgas S	02/08/13	02/08/13	560	50 mg/Kg	1:100

Surrogates	Result	Recovery	Limits
Trifluorotoluene <sup>1</sup>	00 ug/kg	0 %	(65 - 135)

<b>Laboratory ID</b>	20508003	<b>Sampled</b>	01/29/13
<b>Sample ID</b>	T2-A	<b>Received</b>	01/29/13
<b>Matrix</b>	Soil	<b>Reported</b>	02/15/13

**1664 OIL & GREASE**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>TPH OIL &amp; GREASE</b>	EPA 1664 O&G	02/13/13	02/13/13	640	50 mg/Kg	1:1

1 - Loss of surrogate recovery due to sample matrix effect.



Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508003  
Sample ID T2-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

8260B BTEX/Oxygenates Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:100
Methyl-tert-butyl-ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	50 ug/kg	1:100
Di-isopropyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
Ethyl tert butyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
Tert amyl methyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
1,2-Dichloroethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
1,2-Dibromoethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
Benzene	8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
<b>Toluene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>430</b>	<b>100 ug/kg</b>	<b>1:100</b>
<b>Ethylbenzene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>1100</b>	<b>100 ug/kg</b>	<b>1:100</b>
<b>Xylene, Total</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>11000</b>	<b>100 ug/kg</b>	<b>1:100</b>
<b>Naphthalene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>1800</b>	<b>200 ug/kg</b>	<b>1:100</b>

**Surrogates**  
1,2-Dichloroethane-d4 Result 48 ug/kg Recovery 96 % Limits (65 - 135)

Laboratory ID 20508003  
Sample ID T2-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

6010B METALS Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>Lead</b>	<b>6010B S</b>	<b>02/12/13</b>	<b>02/14/13</b>	<b>4.82</b>	<b>1.0 mg/Kg</b>	<b>1:1</b>

Laboratory ID 20508004  
Sample ID T2-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

8015B TPH Gas Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>TPHgas</b>	<b>8015B TPHgas S</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>130</b>	<b>0.50 mg/Kg</b>	<b>1:1</b>

**Surrogates**  
Trifluorotoluene<sup>1</sup> Result 00 ug/kg Recovery 0 % Limits (65 - 135)

1 - Loss of surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508004  
Sample ID T2-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	160	50 mg/Kg	1:1

Laboratory ID 20508004  
Sample ID T2-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	10000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	500 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	4700	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	9000	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	64000	1000 ug/kg	1:1000
8260B BTEX/FOC	02/08/13	02/08/13	7200	2000 ug/kg	1:1000

**Surrogates**

Result	Recovery	Limits
49 ug/kg	98 %	(65 - 135)

Laboratory ID 20508004  
Sample ID T2-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	02/12/13	02/14/13	7.05	1.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508005  
Sample ID T3-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	02/08/13	02/08/13	480	50 mg/Kg	1:100

**Surrogates**

Result	Recovery	Limits
Trifluorotoluene <sup>1</sup> 00 ug/kg	0 %	(65 - 135)

Laboratory ID 20508005  
Sample ID T3-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	140	50 mg/Kg	1:1

Laboratory ID 20508005  
Sample ID T3-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	50 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	420	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	850	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	5800	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	8400	200 ug/kg	1:100

**Surrogates**

Result	Recovery	Limits
1,2-Dichloroethane-d4 51 ug/kg	102 %	(65 - 135)

1 - Loss of surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508005  
Sample ID T3-A  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	02/12/13	02/14/13	6.24	1.0 mg/Kg	1:1

Laboratory ID 20508006  
Sample ID T3-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	02/08/13	02/08/13	1100	50 mg/Kg	1:100

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene <sup>1</sup>	00 ug/kg	0 %	(65 - 135)

Laboratory ID 20508006  
Sample ID T3-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	1160	50 mg/Kg	1:1

Laboratory ID 20508006  
Sample ID T3-B  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	1000 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	50 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	ND	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	3700	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	5700	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	39000	100 ug/kg	1:100
8260B BTEX/FOC	02/08/13	02/08/13	7900	200 ug/kg	1:100

1 - Loss of surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508  
Laboratory ID 20508006  
Sample ID T3-B  
Matrix Soil

Workorder ID College Ave Shell  
Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates - 8260B BTEX/FOC S (continued)**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/kg	102 %	(65 - 135)

Laboratory ID	20508006	Sampled	01/29/13
Sample ID	T3-B	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**6010B METALS**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	02/12/13	02/14/13	9.07	1.0 mg/Kg	1:1

Laboratory ID	20508007	Sampled	01/29/13
Sample ID	UDC-1	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**8015B TPH Gas**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene <sup>1</sup>	29.8 ug/kg	149 %	(65 - 135)

Laboratory ID	20508007	Sampled	01/29/13
Sample ID	UDC-1	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**1664 OIL & GREASE**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

1 - High surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508007  
Sample ID UDC-1  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates  
Parameter**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
<b>Toluene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>1.7</b>	<b>1.0 ug/kg</b>	<b>1:1</b>
<b>Ethylbenzene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>8.3</b>	<b>1.0 ug/kg</b>	<b>1:1</b>
<b>Xylene, Total</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>70</b>	<b>1.0 ug/kg</b>	<b>1:1</b>
<b>Naphthalene</b>	<b>8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>6.0</b>	<b>2.0 ug/kg</b>	<b>1:1</b>

**Surrogates**

1,2-Dichloroethane-d4 Result 55 ug/kg Recovery 110 % Limits (65 - 135)

Laboratory ID 20508007  
Sample ID UDC-1  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS  
Parameter**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>Lead</b>	<b>6010B S</b>	<b>02/12/13</b>	<b>02/14/13</b>	<b>6.67</b>	<b>1.0 mg/Kg</b>	<b>1:1</b>

Laboratory ID 20508008  
Sample ID UDC-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas  
Parameter**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

**Surrogates**

Trifluorotoluene<sup>1</sup> Result 29 ug/kg Recovery 145 % Limits (65 - 135)

1 - High surrogate recovery due to sample matrix effect.

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508008  
Sample ID UDC-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	2080	50 mg/Kg	1:1

Laboratory ID 20508008  
Sample ID UDC-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	10 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	2.4	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	4.4	2.0 ug/kg	1:1

**Surrogates**

Result	Recovery	Limits
1,2-Dichloroethane-d4	63 ug/kg	126 % (65 - 135)

Laboratory ID 20508008  
Sample ID UDC-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	02/12/13	02/14/13	6.09	1.0 mg/Kg	1:1

**Test Certificate of Analysis**

**Client ID** MVP Petroleum Engineer Inc.  
**Workorder #** 20508

**Workorder ID** College Ave Shell

**Laboratory ID** 20508009  
**Sample ID** UDC-3  
**Matrix** Soil

**Sampled** 01/29/13  
**Received** 01/29/13  
**Reported** 02/15/13

**8015B TPH Gas**  
**Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas 8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

**Surrogates**

Result	Recovery	Limits
Trifluorotoluene 19.2 ug/kg	96 %	(65 - 135)

**Laboratory ID** 20508009  
**Sample ID** UDC-3  
**Matrix** Soil

**Sampled** 01/29/13  
**Received** 01/29/13  
**Reported** 02/15/13

**1664 OIL & GREASE**  
**Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPH OIL & GREASE EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

**Laboratory ID** 20508009  
**Sample ID** UDC-3  
**Matrix** Soil

**Sampled** 01/29/13  
**Received** 01/29/13  
**Reported** 02/15/13

**8260B BTEX/Oxygenates**  
**Parameter**

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
Di-isopropyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Tert amyl methyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dichloroethane 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dibromoethane 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Benzene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Toluene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethylbenzene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
<b>Xylene, Total 8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>1.9</b>	<b>1.0 ug/kg</b>	<b>1:1</b>
Naphthalene 8260B BTEX/FOC	02/08/13	02/08/13	ND	2.0 ug/kg	1:1

**Surrogates**

Result	Recovery	Limits
1,2-Dichloroethane-d4 57 ug/kg	114 %	(65 - 135)



Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508009  
Sample ID UDC-3  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead 6010B S	02/12/13	02/14/13	6.62	1.0 mg/Kg	1:1

Laboratory ID 20508010  
Sample ID UDC-4  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas 8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
Trifluorotoluene	18.4 ug/kg	92 %	(65 - 135)

Laboratory ID 20508010  
Sample ID UDC-4  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPH OIL & GREASE EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

Laboratory ID 20508010  
Sample ID UDC-4  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol 8260B BTEX/FOC	02/08/13	02/08/13	ND	10 ug/kg	1:1
Methyl-tert-butyl-ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
Di-isopropyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Tert amyl methyl ether 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dichloroethane 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dibromoethane 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Benzene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Toluene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethylbenzene 8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
<b>Xylene, Total 8260B BTEX/FOC</b>	<b>02/08/13</b>	<b>02/08/13</b>	<b>1.6</b>	<b>1.0 ug/kg</b>	<b>1:1</b>
Naphthalene 8260B BTEX/FOC	02/08/13	02/08/13	ND	2.0 ug/kg	1:1

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508  
Laboratory ID 20508010  
Sample ID UDC-4  
Matrix Soil

Workorder ID College Ave Shell  
Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates - 8260B BTEX/FOC S (continued)**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	57 ug/kg	114 %	(65 - 135)

Laboratory ID	20508010	Sampled	01/29/13
Sample ID	UDC-4	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**6010B METALS**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	02/12/13	02/14/13	6.09	1.0 mg/Kg	1:1

Laboratory ID	20508011	Sampled	01/29/13
Sample ID	Pile Joint-1	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**8015B TPH Gas**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	18.2 ug/kg	91 %	(65 - 135)

Laboratory ID	20508011	Sampled	01/29/13
Sample ID	Pile Joint-1	Received	01/29/13
Matrix	Soil	Reported	02/15/13

**1664 OIL & GREASE**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508011  
Sample ID Pile Joint-1  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Naphthalene	8260B BTEX/FOC	02/08/13	02/08/13	ND	2.0 ug/kg	1:1

**Surrogates**

1,2-Dichloroethane-d4      Result 56 ug/kg      Recovery 112 %      Limits (65 - 135)

Laboratory ID 20508011  
Sample ID Pile Joint-1  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	02/12/13	02/14/13	12.3	1.0 mg/Kg	1:1

Laboratory ID 20508012  
Sample ID Pile Joint-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
TPHgas	8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

**Surrogates**

Trifluorotoluene      Result 17.6 ug/kg      Recovery 88 %      Limits (65 - 135)

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508012  
Sample ID Pile Joint-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

Laboratory ID 20508012  
Sample ID Pile Joint-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	10 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	2.0 ug/kg	1:1

**Surrogates**

1,2-Dichloroethane-d4      Result 58 ug/kg      Recovery 116 %      Limits (65 - 135)

Laboratory ID 20508012  
Sample ID Pile Joint-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**6010B METALS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
6010B S	02/12/13	02/14/13	6.65	1.0 mg/Kg	1:1

Test Certificate of Analysis

Client ID MVP Petroleum Engineer Inc.  
Workorder # 20508

Workorder ID College Ave Shell

Laboratory ID 20508013  
Sample ID Pile-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas S	02/08/13	02/08/13	ND	0.50 mg/Kg	1:1

**Surrogates**

Trifluorotoluene Result 18.1 ug/kg Recovery 90 % Limits (65 - 135)

Laboratory ID 20508013  
Sample ID Pile-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**1664 OIL & GREASE**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1

Laboratory ID 20508013  
Sample ID Pile-2  
Matrix Soil

Sampled 01/29/13  
Received 01/29/13  
Reported 02/15/13

**8260B BTEX/Oxygenates**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	1.9	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	7.9	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	80	1.0 ug/kg	1:1
8260B BTEX/FOC	02/08/13	02/08/13	7.8	2.0 ug/kg	1:1

**Surrogates**

1,2-Dichloroethane-d4 Result 56 ug/kg Recovery 112 % Limits (65 - 135)

**Test Certificate of Analysis**

**Client ID** MVP Petroleum Engineer Inc.  
**Workorder #** 20508

**Workorder ID** College Ave Shell

**Laboratory ID** 20508013  
**Sample ID** Pile-2  
**Matrix** Soil

**Sampled** 01/29/13  
**Received** 01/29/13  
**Reported** 02/15/13

**6010B METALS**  
**Parameter**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Lead	6010B S	02/12/13	02/14/13	7.07	1.0 mg/Kg	1:1

**Method Blank Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MB for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106861	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	ND	1.0 mg/Kg	1:1	

**Lab Control Sample Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCS for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106862	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	51.3	1.0 mg/Kg	1:1	

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCSD for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106863	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	51.3	1.0 mg/Kg	1:1	

**Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	DUP for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106864	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	1.54	1.0 mg/Kg	1:1	

**Matrix Spike Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MS for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106865	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	54.3	1.0 mg/Kg	1:1	

**Matrix Spike Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MSD for HBN 446374 [ICPV/6948]				
<b>Laboratory ID</b>	106866	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
Lead	6010B S	02/12/13	02/14/13	53.5	1.0 mg/Kg	1:1	

**Method Blank Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MB for HBN 446382 [OGGV/1338]				
<b>Laboratory ID</b>	106885	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	ND	50 mg/Kg	1:1	

**Lab Control Sample Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCS for HBN 446382 [OGGV/1338]				
<b>Laboratory ID</b>	106886	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	7920	50 mg/Kg	1:1	

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCSD for HBN 446382 [OGGV/1338]				
<b>Laboratory ID</b>	106887	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	7900	50 mg/Kg	1:1	

**Matrix Spike Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MS for HBN 446382 [OGGV/1338]				
<b>Laboratory ID</b>	106888	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	16800	50 mg/Kg	1:1	

**Matrix Spike Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MSD for HBN 446382 [OGGV/1338]				
<b>Laboratory ID</b>	106889	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPH OIL & GREASE	EPA 1664 O&G	02/13/13	02/13/13	16700	50 mg/Kg	1:1	

**Method Blank Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MB for HBN 446385 [VGXV/3178]				
<b>Laboratory ID</b>	106890	<b>Matrix</b>	Soil				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	S02/08/13	02/08/13	ND	0.50 mg/Kg	1:1	



**Method Blank Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MB for HBN 446385 [VGXV/3178]
<b>Laboratory ID</b>	106890	<b>Matrix</b>	Soil
<b>Surrogates</b>	<b>Result</b>	<b>Recovery</b>	<b>Limits</b>
Trifluorotoluene	16.7 ug/kg	84 %	(65 - 135)

**Lab Control Sample Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCS for HBN 446385 [VGXV/3178]			
<b>Laboratory ID</b>	106891	<b>Matrix</b>	Soil			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
TPHgas	8015B TPHgas	S02/08/13	02/08/13	0.99	0.50 mg/Kg	1:1

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	LCSD for HBN 446385 [VGXV/3178]			
<b>Laboratory ID</b>	106892	<b>Matrix</b>	Soil			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
TPHgas	8015B TPHgas	S02/08/13	02/08/13	1.0	0.50 mg/Kg	1:1

**Matrix Spike Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MS for HBN 446385 [VGXV/3178]			
<b>Laboratory ID</b>	106893	<b>Matrix</b>	Soil			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
TPHgas	8015B TPHgas	S02/08/13	02/08/13	0.82	0.50 mg/Kg	1:1

**Matrix Spike Duplicate Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MSD for HBN 446385 [VGXV/3178]			
<b>Laboratory ID</b>	106894	<b>Matrix</b>	Soil			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
TPHgas	8015B TPHgas	S02/08/13	02/08/13	0.88	0.50 mg/Kg	1:1

**Method Blank Report**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Sample ID</b>	MB for HBN 446387 [VMXV/3474]			
<b>Laboratory ID</b>	106895	<b>Matrix</b>	Soil			
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Tertiary butanol	8260B BTEX/FOC	02/08/13	02/08/13	ND	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC	02/08/13	02/08/13	ND	0.50 ug/kg	1:1

**Method Blank Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** MB for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106895 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>(continued)</b>						
Di-isopropyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dichloroethane	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
1,2-Dibromoethane	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	ND	1.0 ug/kg	1:1

**Surrogates**

Surrogate	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/kg	100 %	(65 - 135)

**Lab Control Sample Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** LCS for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106896 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	307	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	66	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	61	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	64	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	66	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	67	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	67	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	65	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	192	1.0 ug/kg	1:1

**Lab Control Sample Duplicate Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** LCSD for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106897 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	279	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	55	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	51	1.0 ug/kg	1:1

**Lab Control Sample Duplicate Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** LCSD for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106897 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>(continued)</b>						
Ethyl tert butyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	54	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	55	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	56	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	55	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	54	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	158	1.0 ug/kg	1:1

**Matrix Spike Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** MS for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106898 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	213	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	49	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	46	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	47	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	49	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	42	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	42	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	47	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	173	1.0 ug/kg	1:1

**Matrix Spike Duplicate Report**

**Client ID** MVP Petroleum Engineer Inc. **Sample ID** MSD for HBN 446387 [VMXV/3474]  
**Laboratory ID** 106899 **Matrix** Soil

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tertiary butanol	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	220	10 ug/kg	1:1
Methyl-tert-butyl-ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	50	0.50 ug/kg	1:1
Di-isopropyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	47	1.0 ug/kg	1:1
Ethyl tert butyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	49	1.0 ug/kg	1:1
Tert amyl methyl ether	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	51	1.0 ug/kg	1:1
Benzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	47	1.0 ug/kg	1:1
Toluene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	47	1.0 ug/kg	1:1
Ethylbenzene	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	51	1.0 ug/kg	1:1
Xylene, Total	8260B BTEX/FOC02/08/13	02/08/13	02/08/13	181	1.0 ug/kg	1:1

QC SUMMARY

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Sample</b>	20499001			
<b>QC Batch</b>	ICPP 6965		<b>Duplicate [106864]</b>			
<b>Matrix</b>	Soil					
<b>Parameter</b>				<b>RPD</b>	<b>RPD Limits</b>	
Lead				11.4	(35)	
<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Samples</b>	20499001			
<b>QC Batch</b>	ICPP 6965		Matrix Spike [106865]			
<b>Matrix</b>	Soil		Matrix Spike Duplicate [106866]			
<b>Parameter</b>		<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Lead		106	104	(75-125)	1.90	(35 MAX)
<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Samples</b>	20508001			
<b>QC Batch</b>	OGGX 1384		Matrix Spike [106888]			
<b>Matrix</b>	Soil		Matrix Spike Duplicate [106889]			
<b>Parameter</b>		<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
TPH OIL & GREASE		100	100	(65-135)	00	(20 MAX)
<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Samples</b>	20508013			
<b>QC Batch</b>	VGX 3298		Matrix Spike [106893]			
<b>Matrix</b>	Soil		Matrix Spike Duplicate [106894]			
<b>Parameter</b>		<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
TPHgas		82	88	(65-135)	7.1	(20 MAX)
<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Samples</b>	20508013			
<b>QC Batch</b>	VMX 3512		Matrix Spike [106898]			
<b>Matrix</b>	Soil		Matrix Spike Duplicate [106899]			
<b>Parameter</b>		<b>Spike %Recovery</b>	<b>Spike Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Tertiary butanol		85	88	(65-135)	3.5	(20 MAX)
Methyl-tert-butyl-ether		98	100	(65-135)	2.0	(20 MAX)
Di-isopropyl ether		92	94	(65-135)	2.2	(20 MAX)
Ethyl tert butyl ether		94	98	(65-135)	4.2	(20 MAX)

**QC SUMMARY**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Original Samples</b>	20508013
<b>QC Batch</b>	VMX 3512		Matrix Spike [106898]
<b>Matrix</b>	Soil		Matrix Spike Duplicate [106899]

(continued)

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tert amyl methyl ether	98	102	(65-135)	4.0	(20 MAX)
Benzene	84	94	(65-135)	11	(20 MAX)
Toluene	80	90	(65-135)	12	(20 MAX)
Ethylbenzene	78	86	(65-135)	9.8	(20 MAX)
Xylene, Total <sup>1</sup>	62	67	(65-135)	7.8	(20 MAX)

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Samples</b>	Lab Control Sample [106862]
<b>QC Batch</b>	ICPP 6965		Lab Control Sample Duplicate [106863]
<b>Matrix</b>	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Lead	103	103	(80-120)	0000	(20 MAX)

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Samples</b>	Lab Control Sample [106886]
<b>QC Batch</b>	OGGX 1384		Lab Control Sample Duplicate [106887]
<b>Matrix</b>	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPH OIL & GREASE	99	99	(65-135)	00	(20 MAX)

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Samples</b>	Lab Control Sample [106891]
<b>QC Batch</b>	VGX 3298		Lab Control Sample Duplicate [106892]
<b>Matrix</b>	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	99	100	(65-135)	1.0	(20 MAX)

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Samples</b>	Lab Control Sample [106896]
<b>QC Batch</b>	VMX 3512		Lab Control Sample Duplicate [106897]
<b>Matrix</b>	Soil		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Tertiary butanol	123	112	(65-135)	9.4	(20 MAX)
Methyl-tert-butyl-ether	132	110	(65-135)	18	(20 MAX)
Di-isopropyl ether	122	102	(65-135)	18	(20 MAX)
Ethyl tert butyl ether	128	108	(65-135)	17	(20 MAX)

1 - Low MS/MSD recoveries due to sample matrix effect.

**QC SUMMARY**

<b>Client ID</b>	MVP Petroleum Engineer Inc.	<b>Samples</b>	Lab Control Sample [106896]
<b>QC Batch</b>	VMX 3512		Lab Control Sample Duplicate [106897]
<b>Matrix</b>	Soil		<b>(continued)</b>

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Tert amyl methyl ether	132	110	(65-135)	18	(20 MAX)
Benzene	134	112	(65-135)	18	(20 MAX)
Toluene	134	110	(65-135)	20	(20 MAX)
Ethylbenzene	130	108	(65-135)	18	(20 MAX)
Xylene, Total	128	105	(65-135)	20	(20 MAX)



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WORKORDER #: **20508**

REMARKS:

MIKE AHMADI

Page: 1 of 2

Project Contact (Hardcopy and/or PDF to): Mark Vendeiro  
 California EDF Report?  YES  NO  
 Company/Address: MVP  
 Phone #: 916 205-1537 Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ P.O. #: \_\_\_\_\_  
 Project Name: College Ave Shell  
 Sampler's Signature: [Signature] Sampler's Name (PRINT): MIKE MILLER

**Chain of Custody and Analysis Request**

NO.	SAMPLE ID	Date	Time	Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1, 2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) (Total) W.E.T (X) (G/D)	Oil and Grease (5520)	Naphthalene	12 hr/ 24 hr/ 48 hr/ 72 hr/ 1 wk STD
				40 mL VOA	SLEEVE	HCL	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																		
1	T1-A	1-29-13	10:30	X						X		X		X				X					X	X	X		X		X
2	T1-B	"	10:35	X						X		X		X				X					X	X	X		X		X
3	T2-A	"	10:40	X						X		X		X				X					X	X	X		X		X
4	T2-B	"	10:45	X						X		X		X				X					X	X	X		X		X
5	T3-A	"	10:50	X						X		X		X				X					X	X	X		X		X
6	T3-B	"	10:55	X						X		X		X				X					X	X	X		X		X
7	UDC-1	"	11:05	X						X		X		X				X					X	X	X		X		X
8	UDC-2	"	11:10	X						X		X		X				X					X	X	X		X		X
9	UDC-3	"	11:15	X						X		X		X				X					X	X	X		X		X
10	UDC-4	"	11:20	X						X		X		X				X					X	X	X		X		X

Relinquished By: Mike Miller Date: 1-29-13 Time: 1400  
 Relinquished By: RAJ JAMES Date: 1-29-13 Time: 14:00  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR  
 Bill to: \_\_\_\_\_  
**PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS**



3050 Fite Circle, #112

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Email: SPARGER@SPARGERTECHNOLOGY.COM

WORKORDER #:

20508

REMARKS:

MIKE AHMADI

Page: 2 of 2

Project Contact (Hardcopy and/or PDF to): Mark Vendeiro  
 California EDF Report?  YES  NO

Company/Address: MVP  
 OPTIONAL  
 Sampling Company Log Code:

Phone #: 916 205 1537 Fax #: \_\_\_\_\_  
 Global ID: \_\_\_\_\_

Project #: \_\_\_\_\_ P.O. #: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Name: College Av Shell  
 Sampler's Signature: [Signature] Sampler's Name (PRINT): MIKE MILLER

Project Address: 6039 College Ave, Oakland, CA  
**Sampling**

NO.	SAMPLE ID	Date	Time	Container				Preservative				Matrix		
				40 mL VOA	SLEEVE			HCL	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	
1	Pipe Joint-1	1-29-13	11:25	X								X	X	
2	Pipe Joint-2	"	11:30	X								X	X	
3	Pipe-2	"	11:35	X								X	X	
4														
5														
6														
7														
8														
9														
10														

**Chain of Custody and Analysis Request**

**Analysis Request** **TAT**

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239 2) Total (X) W.E.T (X) (60/d)	OIL AND GREASE (5520)	Naphthalene	12 hr/ 24 hr/ 48 hr/ 72 hr (1 wk STD)
X	X			X	X				X		X	X	X		X
X	X			X	X				X		X	X	X		X
X	X			X	X				X		X	X	X		X

Relinquished By: [Signature] Date: 1-29-13 Time: 14:00  
 Relinquished By: [Signature] Date: 1-29-13 Time: 14:00

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR  
**PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS**

Bill to: \_\_\_\_\_