CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: September 9, 2010

REFERENCE NO.: 311973

PROJECT NAME: "Former Chevron #9-0121

TO: Mr. Kieth L. Matthews
City of Oakland - Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

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QUANTITY	DESCRIPTION
1	Underground Storage Tank Removal and Soil Sampling Report

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
Please contact Nathan Lee at (510) 420-3333 if you have any questions or require additional information

Copy to: Mr. Aaron Costa, Chevron
Mr. Mark Detterman, ACEHS

Completed by: Nathan Lee [Please Print]
Signed:

Filing: **Correspondence File**

UNDERGROUND STORAGE TANK REMOVAL AND SOIL SAMPLING REPORT

Former Chevron Service Station 9-0121
3026 Lakeshore Avenue
Oakland, California

Prepared for:

Mr. Kieth L. Matthews
Hazardous Material Inspector II
City of Oakland - Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http:\\www.CRAworld.com

SEPTEMBER 9, 2010
REF. NO. 311973 (8)
This report is printed on recycled paper

UNDERGROUND STORAGE TANK REMOVAL AND SOIL SAMPLING REPORT

Former Chevron Service Station 9-0121
3026 Lakeshore Avenue
Oakland, California

David Grunat

Nathan Lee, PG 8486

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http:\\www.CRAworld.com

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Underground Storage Tank Removal and Soil Sampling Report* on behalf of Chevron Products Company (Chevron) for the former Chevron Service Station located at 3026 Lakeshore Avenue in Oakland, California (Figure 1). On August 10, 2010, CRA observed the removal of four 10,000-gallon single-walled fiberglass gasoline underground storage tanks (USTs) and associated piping. CRA collected compliance soil and groundwater samples under the direction of the Oakland Fire Prevention Bureau (OFPB). Site background information, a description of sampling activities, and analytical results are discussed below.

1.1 SITE DESCRIPTION

A retail service station was operated on the site by Chevron from 1933 to 2009. The site is located on the southern corner of the intersection of Lakeshore Avenue and MacArthur Boulevard in Oakland, California (Figure 1). Surrounding property use includes residential, commercial, and recreational. The site is currently a vacant lot awaiting development.

The site has been an open environmental case since 1990 under Alameda County Environmental Health (ACEH) jurisdiction with RO number 0284 and Geotracker Global ID T0600100328. To date, 12 monitoring wells have been installed (four of which have been destroyed) and 9 soil borings advanced. A summary of previous investigation and remediation is included as Appendix A.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

Site Geology

The site is situated at the western edge of the Piedmont Hills and is approximately 7 feet above mean sea level (ft-amsl) with relatively flat topography. Sediments in the vicinity consist of Holocene age estuarine deposits comprised of organic clay and silty clay (Bay Mud); overlying Holocene age alluvial sand and silt; and Pleistocene age interbedded clay, silt, sand, and gravel.[1] Sediments encountered at the site consist of clays interbedded with silt, silty sand, fine sand and gravel layers to the total depth explored of 35 feet below grade (fbg).

[1] *California's Groundwater Bulletin 118*; The State of California Department of Water Resources Agency February 27, 2004.

Hydrogeology

The site is located in the Santa Clara Valley Groundwater Basin, East Bay Plain Sub Basin. Groundwater in this region has been designated for potential beneficial agricultural, municipal, and industrial uses.[2] The average historical groundwater elevation has ranged from approximately 2 to 14 fbg and flows predominantly to the southwest. The nearest surface water body is Lake Merritt, approximately 900 feet to the southwest.

2.0 UNDERGROUND STORAGE TANK REMOVAL AND COMPLIANCE SAMPLING

On August 10, 2010, CRA observed and documented the removal of the USTs and associated piping. A total of 20 soil samples from beneath the USTs and piping and 3 composite stockpile samples were collected. A site plan illustrating the soil sampling locations are presented on Figure 2.

Personnel

Musco Excavators, Inc. of Santa Rosa, California completed fuel system preparation and removal activities. CRA personnel Jeff Schrupp and Cortland Toczylowski, under the supervision of California Professional Geologist Nathan Lee, PG 8486, observed the UST removal and performed compliance soil sampling. OFPB representative Kieth L. Matthews observed the UST removal and directed compliance soil sampling. Adams Services, Inc. and Hoyt Transportation transported the inert fuel system components, including the USTs and piping, for proper disposal.

UST Removal

The USTs were rendered inert using 250 pounds of dry ice per UST and removed under OFPB permit P10-0119 (Appendix B). During shoring installation, tank T1 was compromised, creating a hole; however, the tanks were previously drained and cleaned. The damage was shown to the OFPB inspector prior to removal. No visual holes, cracks, or staining was noted on any of the tanks, with the exception of the shoring damage on tank T1.

[2] Table 2-2 *Existing and Potential Beneficial Uses in Groundwater in Identified Basins; Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin*; California Regional Water Quality Control Board - San Francisco Bay Region, January 18, 2007.

Compliance Sampling

CRA collected soil samples EX-1 through EX-6 from native soil beneath the USTs at 9.5 fbg and samples P-1 through P-14 from native soils beneath the product piping between 4 and 6 fbg. The samples were collected by driving stainless steel tubes into native soil in the excavator bucket. Three soil samples, labeled SS-1 through SS-3, were collected by driving stainless steel tubes into the stockpiles. All samples were capped with Teflon® sheets and plastic caps per OFPB regulations.

One groundwater sample was collected from within the UST pit and labeled GW-1. The groundwater sample was collected utilizing a disposable bailer, decanted into clean laboratory-approved containers, properly sealed, and labeled. All samples were logged on a chain-of-custody, preserved on ice, and delivered to McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California for analysis. CRA's *Standard Field Procedures for Compliance Sampling* is included as Appendix C.

Chemical Analysis

All samples were analyzed for the following constituents:

- Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) method 8015B
- Benzene, toluene, ethylbenzene, xylenes (BETX), methyl tertiary butyl ether (MTBE) tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB) and ethanol by EPA Method 8260B
- CAM 17 metals by EPA method 6020 (Stockpile Only)

Waste Disposal

All fuel system components (dispensers, piping, tanks and rinsate) were shipped under manifest to a Chevron-approved disposal facility. The USTs and piping was disposed of at Siemens Water Technologies Corporation in Los Angeles, California. Copies of the waste data forms, disposal manifests, certificates of destruction, tank closure certifications, and tank certification reports are included in Appendix D.

Soils and pea gravel removed from the UST pit and piping trenches were temporarily stockpiled onsite. After the USTs were removed the soils and pea gravel were placed back into the UST pit and piping trenches with OFPB approval.

3.0 SOIL ANALYTICAL RESULTS

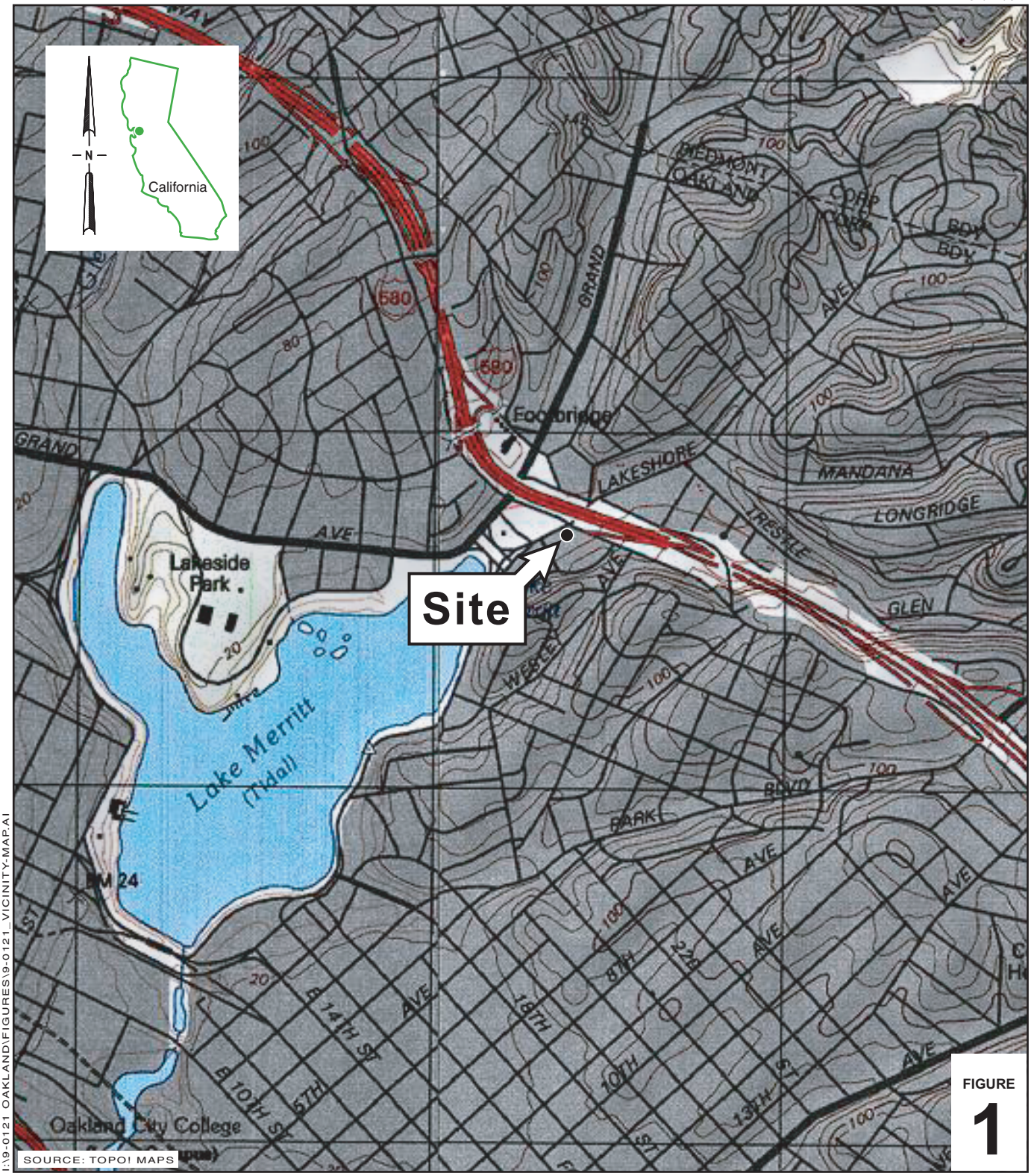
Hydrocarbon concentrations in soil detected during this investigation are consistent with previous investigations. The highest concentrations detected are 1,100 milligrams per kilogram (mg/kg) TPHd (P-12), 980 mg/kg TPHg (P-4), 1.4 mg/kg benzene (P-4) and 0.77 mg/kg MTBE (EX-3). Current and historic soil analytical results are presented in Table 1 and Table 2. The soil laboratory analytical reports are included in Appendix E.

4.0 GROUNDWATER ANALYTICAL RESULTS

Hydrocarbon concentrations in the grab-groundwater sample collected from within the UST pit are consistent with concentrations detected during groundwater monitoring events. The hydrocarbon concentrations detected were 2,500 micrograms per liter (µg/L) TPHd, 360 µg/L TPHg, and 20 µg/L MTBE. Current and historical grab-groundwater analytical results are presented in Table 3. The groundwater laboratory analytical report is included in Appendix E.

FIGURES

07/24/07



I:\9-0121 OAKLAND\FIGURES\9-0121_VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

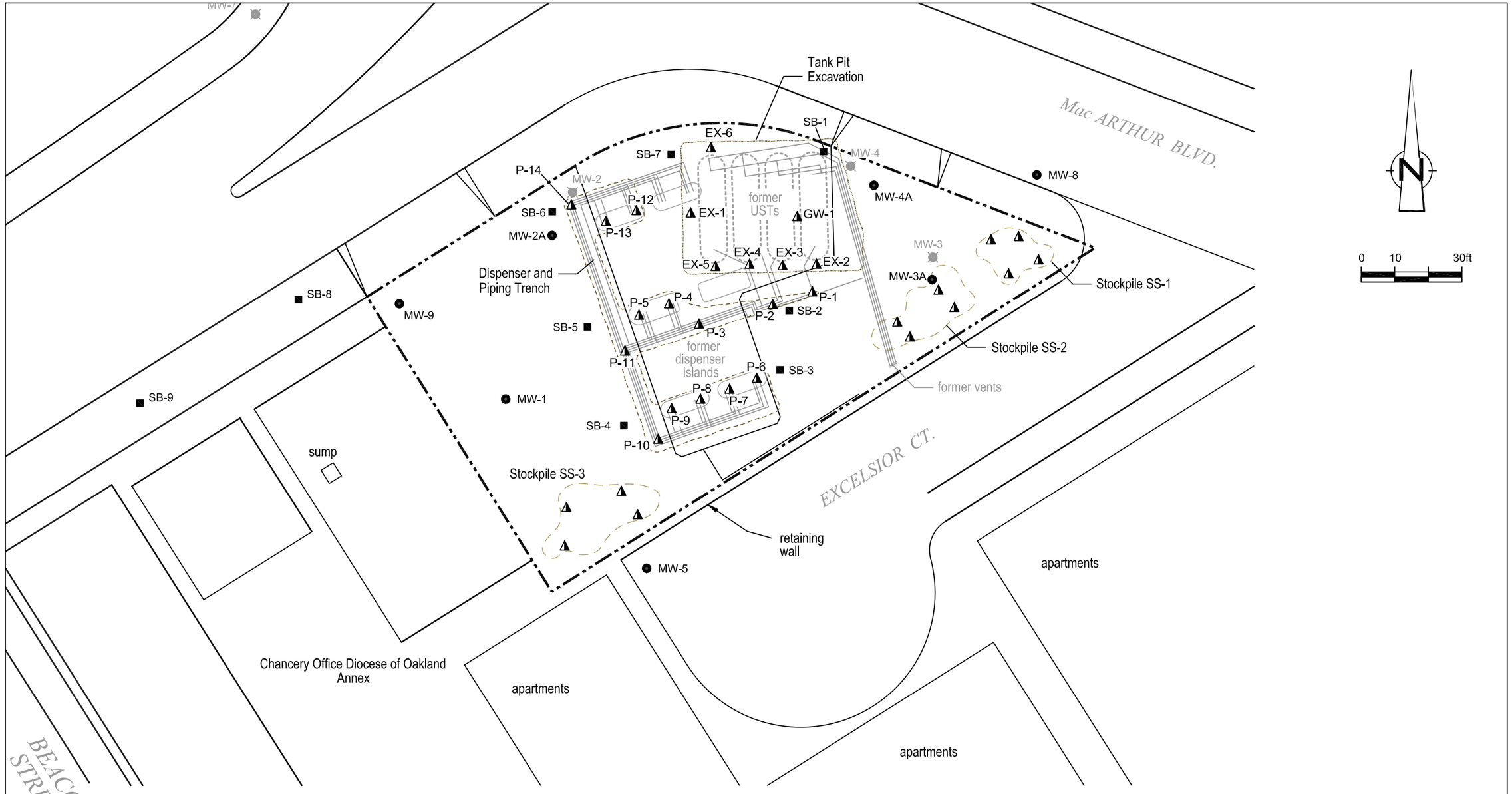
Chevron Service Station 9-0121

3026 Lakeshore Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



EXPLANATION

MW-1 ●	Monitoring well location
MW-2 ✹	Destroyed monitoring well location
SB-1 ■	Soil boring location
◭	Compliance sample location

Figure 2

COMPLIANCE SAMPLE LOCATION SITE PLAN
FORMER CHEVRON SERVICE STATION 9-0121
3026 LAKESHORE AVENUE
Oakland, California

I:\CHEVRON\311973_9-0121 OAKLAND\311973-FIGURES\311973_SAMP-LOC.DWG

TABLES

TABLE 1

SOIL ANALYTICAL RESULTS - HYDROCARBONS AND LEAD
FORMER CHEVRON SERVICE STATION 9-0121
3026 LAKESHORE AVENUE
OAKLAND,CALIFORNIA

Sample ID	*Date*	*Sample Depth (fbg)*	*Total TPH (mg/kg)*	*TPHmo (TOG) (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*DIPE (mg/kg)*	*TAME (mg/kg)*	*TBA (mg/kg)*	*ETBE (mg/kg)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*Pb (mg/kg)*
ESLs [1] - Shallow Soil (Residential)			***NE***	***83***	***83***	***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***NE***	***200***
ESLs [1] - Deep Soil (Residential)			***NE***	***83***	***83***	***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***NE***	***750***
EX-1	08/10/10	9.5	---	---	2.3	2.5	<0.005	<0.005	<0.005	<0.005	**0.18**	<0.005	<0.005	**0.16**	<0.005	<0.004	<0.004	<0.5	---
EX-2	08/10/10	9.5	---	---	7.0	7.9	<0.005	<0.005	<0.005	<0.005	**0.041**	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
EX-3	08/10/10	9.5	---	---	<1.0	1.1	<0.020	<0.020	<0.020	<0.020	**0.77**	<0.020	<0.020	**0.35**	<0.020	<0.016	<0.016	<2.0	---
EX-4	08/10/10	9.5	---	---	27	20	<0.010	<0.010	<0.010	<0.010	**0.22**	<0.010	<0.010	**0.23**	<0.010	<0.0080	<0.0080	<1.0	---
EX-5	08/10/10	9.5	---	---	<1.0	0.78	<0.005	<0.005	<0.005	<0.005	**0.087**	<0.005	<0.005	**0.12**	<0.005	<0.004	<0.004	<0.5	---
EX-6	08/10/10	9.5	---	---	18	1.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
P-1	08/10/10	6.5	---	---	6.0	5.7	0.041	0.22	0.040	0.20	**0.074**	<0.010	<0.010	<0.10	<0.010	<0.0080	<0.0080	<1.0	---
P-2	08/10/10	5	---	---	12	7.2	<0.005	<0.005	0.039	0.16	**0.17**	<0.005	<0.005	**0.17**	<0.005	<0.004	<0.004	<0.5	---
P-3	08/10/10	5	---	---	11	9.4	<0.020	<0.020	<0.020	0.035	**0.46**	<0.020	<0.020	**0.24**	<0.020	<0.016	<0.016	<2.0	---
P-4	08/10/10	5	---	---	**730**	**980**	**1.4**	<1.0	**16**	**2.6**	<1.0	<1.0	<1.0	<10	<1.0	<0.80	<0.80	<100	---
P-5	08/10/10	5	---	---	30	1.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
P-6	08/10/10	4	---	---	9.4	2.2	<0.005	<0.005	0.0054	<0.005	0.0081	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
P-7	08/10/10	4	---	---	**900**	8.4	<0.010	<0.010	<0.010	<0.010	**0.037**	<0.010	<0.010	<0.10	<0.010	<0.0080	<0.0080	<1.0	---
P-8	08/10/10	4	---	---	**150**	**410**	<0.10	<0.10	**3.0**	0.12	<0.10	<0.10	<0.10	<1.0	<0.10	<0.080	<0.080	<10	---
P-9	08/10/10	4	---	---	<1.0	0.89	<0.005	<0.005	<0.005	<0.005	0.0051	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
P-10	08/10/10	4	---	---	1.5	1.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.004	<0.004	<0.5	---
P-11	08/10/10	4	---	---	**290**	**390**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.40	<0.40	<50	---
P-12	08/10/10	4	---	---	**1,100**	**770**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<0.80	<0.80	<100	---
P-13	08/10/10	4	---	---	**610**	**780**	**0.70**	<0.50	**5.9**	0.66	<0.50	<0.50	<0.50	<5.0	<0.50	<0.40	<0.40	<50	---
P-14	08/10/10	4	---	---	**420**	**620**	**1.0**	<0.50	**9.4**	0.84	<0.50	<0.50	<0.50	<5.0	<0.50	<0.40	<0.40	<50	---
SS-1	08/10/10	--	---	---	15	6.1	<0.005	<0.005	<0.005	0.047	---	---	---	---	---	---	---	---	27
SS-2	08/10/10	--	---	---	28	<1.0	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	6.0
SS-3	08/10/10	--	---	---	29	8.3	<0.005	0.023	<0.005	0.014	---	---	---	---	---	---	---	---	23

TABLE 1

SOIL ANALYTICAL RESULTS - HYDROCARBONS AND LEAD
FORMER CHEVRON SERVICE STATION 9-0121
3026 LAKESHORE AVENUE
OAKLAND,CALIFORNIA

Sample ID	Date	Sample Depth (fbg)	Total TPH (mg/kg)	TPHmo (TOG) (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	ETBE (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Pb (mg/kg)
ESLs [1] - Shallow Soil (Residential)			*NE*	*83*	*83*	*83*	***0.044***	*2.9*	*2.3*	*2.3*	***0.023***	*NE*	*NE*	***0.075***	*NE*	***0.0045***	***0.00033***	*NE*	***200***
ESLs [1] - Deep Soil (Residential)			*NE*	*83*	*83*	*83*	***0.044***	*2.9*	*3.3*	*2.3*	***0.023***	*NE*	*NE*	***0.075***	*NE*	***0.0045***	***0.00033***	*NE*	***750***

Notes/Abbreviations:

Total petroleum hydrocarbons by modified EPA Method 8015B unless otherwise noted.

Total petroleum hydrocarbons as motor oil (TPHmo) and total oil and grease (TOG) by modified EPA Method 8015B unless otherwise noted.

Total petroleum hydrocarbons as diesel (TPHd) and gasoline (TPHg) by modified EPA Method 8015B unless otherwise noted.
Benzene, toluene, ethybenzene, total xylenes, methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), t-amyl methyl ether (TAME), t-butyl alcohol (TBA), ethyl t-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB) and ethanol by EPA Method 8026B unless otherwise noted.

Lead (Pb) by EPA Method 6010 unless otherwise noted.

1 = Environmental Screening Levels (ESLs) for shallow (≤3 meters below grade) and deep (>3 meters below grade) soil where groundwater is a current or potential driving water source from *Screening for Environemental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the Califonia Regional Water Quality Control Board - San Francisco Bay Region Interim Final November 2007, revised May 2008.

NE = Not established
-- = Not analyzed/not applicable.
BOLD = Concentration exceeds applicable laboratory method detection limit.

TABLE 2

SOIL ANALYTICAL RESULTS - METALS
FORMER CHEVRON SERVICE STATION 9-0121
3026 LAKESHORE AVENUE
OAKLAND,CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Antimony (mg/kg)*	*Arsenic (mg/kg)*	*Barium (mg/kg)*	*Beryllium (mg/kg)*	*Cadmium (mg/kg)*	*Chromium (mg/kg)*	*Cobalt (mg/kg)*	*Copper (mg/kg)*	*Lead (mg/kg)*	*Mercury (mg/kg)*	*Molybdenum (mg/kg)*	*Nickel (mg/kg)*	*Selenium (mg/kg)*	*Silver (mg/kg)*	*Thallium (mg/kg)*	*Vanadium (mg/kg)*	*Zinc (mg/kg)*
ESLs[1] - Shallow Soil (Residential)			*6*	*0.39*	*750*	*4*	*2*	*1,000*	*40*	*225*	*200*	*1*	*40*	*150*	*10*	*20*	*1*	*16*	*600*
ESLs[1] - Deep Soil (Residential)			*310*	*15*	*2,500*	*98*	*39*	*2,500*	*94*	*2,500*	*750*	*58*	*2,500*	*258*	*2,500*	*2,500*	*62*	*774*	*2,500*
SS-1	08/10/10	--	0.74	**3.5**	150	<0.5	<0.25	38	8.3	17	27	<0.05	<0.5	39	<0.5	<0.5	<0.5	**41**	110
SS-2	08/10/10	--	<0.5	**2.7**	78	<0.5	<0.25	42	7.2	17	6.0	<0.05	<0.5	41	<0.5	<0.5	<0.5	**22**	67
SS-3	08/10/10	--	0.86	**4.2**	2,500	<0.5	0.34	45	11	23	23	<0.05	<0.5	68	<0.5	<0.5	<0.5	**58**	140

Notes/Abbreviations:

fbg = Feet below grade.

mg/kg= Milligram per kilogram.

Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc analyzed by EPA Method 6020.

1 = Environmental Screening Levels (ESLs) for shallow (≤3 meters below grade) and deep (>3 meters below grade) soil where groundwater is a current or potential driving water source from Screening for Environemental Concerns at Sites with Contaminated Soil and Groundwater prepared by the Califonia Regional Water Quality Control Board - San Francisco Bay Region Interim Final November 2007, revised May 2008.

-- = Not analyzed/not applicable.

<x = Not detected above laboratory detection limit x.

BOLD = Above applicable ESLs.

TABLE 3

GRAB-GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0121
3026LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo (µg/L)*	*TPHd (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethyl-benzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*Nitrates (µg/L)*
ESL - Residential Land Use			***100***	***100***	***100***	***1***	***40***	***30***	***20***	***5***	***12***	***NE***	***NE***	***NE***	***0.05***	***0.5***	***NE***	***NE***
GW-1	08/10/10	--	--	**2,500**	**360**	<0.5	<0.5	<0.5	1.1	**20**	**15**	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--

Notes/Abbreviations:

Total petroluem hydrocarbons as diesel (TPHd) and gasoline (TPHg) by EPA Method 8015B modified.

Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8260C.

Methyl tertiary butyl ether (MTBE) by EPA Method 8260C.

Ethanol by EPA Method 8260C.

fbg = feet below grade.

Micrograms per liter (µg/L).

Environmental Screening Level (ESL) for groundwater is not a current or potential drinking water source from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

-- = Not analyzed/not applicable.

NE = Not established.

APPENDIX A

PREVIOUS ENVIRONMENTAL INVESTIGATION AND REMEDIATION

PREVIOUS ENVIRONMENTAL INVESTIGATION AND REMEDIATION

1967 Source Leak

In July 1967, a 2,000-gallon inventory loss was discovered. The steel underground storage tanks (USTs) were removed and replaced with new USTs double wrapped in asphalt. A 32-inch long gash was observed in one of the removed tanks. This information was reported in Pacific Environmental Group, Inc.'s (PEG) October 4, 1993 *Remedial Feasibility Study*.

Between late 1970's to 1981 Monitoring Well Installation

Six monitoring wells were installed between late the late 1970's and 1981 and used as recovery wells to recover light non aqueous-phase liquids (LNAPL). Installation dates and well construction logs were unavailable. This information was reported in PEG's October 4, 1993 *Remedial Feasibility Study*.

1980 Tank Replacement

A tank tightness test indicated that one of the USTs may have had a leak and was subsequently replaced with a fiberglass UST. An undocumented quantity of soil was removed from the site during UST replacement. A plastic impermeable barrier extending to approximately 14 to 16 feet below grade (fbg) was installed along the southwestern property line. This information was reported in PEG's October 4, 1993 *Remedial Feasibility Study*.

1981 Monitoring Well Installation

Four additional 8-inch diameter monitoring wells were installed in July 1981. In August 1981, a pump test was performed to determine groundwater draw down and production rates. Additional information is available in Groundwater Technology, Inc.'s (GTI) *Considerations on Retrieval of Product from Groundwater.* The report is not dated.

1984 Station Rebuild and UST Abandonment

In 1984, the station was torn down and completely rebuilt. During renovation activities two USTs, approximately 500 to 1,000 gallons, were discovered beneath the sidewalk. The USTs were abandoned in place by filling them with grout. Approximately 740 cubic yards of soil was over-excavated and disposed of offsite. This information was reported in PEG's October 4, 1993 *Remedial Feasibility Study*.

1984 Basement Inspections

The building tenants at 3014 Lakeshore Avenue complained of petroleum odors in the building. No odor or sheen was noted in the basement. A letter was sent to the property owner by Chevron stating that monitoring of the basement during the two previous years (1982 and 1983)

did not find any evidence of hydrocarbons. This information was reported in PEG's October 4, 1993 *Remedial Feasibility Study*.

1990 UST Repair

A hole created by repetitive stick tank volume gauging was discovered in the unleaded gasoline UST. The hole was repaired and the UST was put back in service. This information was reported in PEG's October 4, 1993 *Remedial Feasibility Study*.

1991 Monitoring Well Destruction

In March 1991 six monitoring wells were destroyed and in April 1991 two monitoring wells were destroyed Additional information is available in GTI's April 25, 1991 *Destruction of Five Groundwater Monitoring Wells and Three Groundwater Extraction Wells*.

1991 Monitoring Well Installation

On August 7 and 13, 1991, monitoring wells MW-1 through MW-4 were installed. Additional information is available in GTI's October 18, 1991 *Well Installation Report*.

1992 Monitoring Well Installation and Destruction

In June 1992, offsite monitoring wells MW-5 through MW-8 were installed and onsite well MW-1 was destroyed. Additional information is available in GTI's July 31, 1992 *Environmental Assessment Report*.

1993 Feasibility Study

In October 1993, PEG completed a remedial feasibility study and recommended natural attenuation as the cleanup alternative. Additional information is available in PEG's October 4, 1993 *Remedial Feasibility Study*.

1996 Product Piping and Dispenser Replacement

In September 1996, the product piping and dispensers were replaced. Soil samples were collected from beneath the dispensers and product piping at depths ranging from 2 to 3 fbg. Approximately 100 cubic yard of soil was removed and disposed of offsite. Additional information is available in Touchstone Development's November 1, 1996 *Product Piping Removal and Soil Sampling Report*.

1996 Well Destruction

In October 1996 one well was destroyed. Additional information is available in RRM Engineering Contracting Firm's October 2, 1996 *Well 1S/3W25R80 Abandonment Document Letter*.

1999 Well Installation

In April 1999, onsite monitoring well MW-9 was installed, and ¾-inch diameter wells MW-2 through MW-4 were destroyed and replaced with 2-inch diameter wells MW-2A through MW-4A. Additional information is available in Gettler-Ryan's May 26, 1999 *Monitoring Well Destruction and Installation Report*.

2001 Site Conceptual Model

In October 2001, Delta Environmental Consultants, Inc. (Delta) completed a site conceptual model and recommended further offsite, downgradient delineation of dissolved hydrocarbons by installing additional monitoring wells to the southeast. Additional information is available in Delta's October 15, 2001 *Site Conceptual Model*.

2006 Offsite Borings

In August 2006, Cambria Environmental Technology, Inc. (Cambria) supervised the advancement of offsite borings SB-8 and SB-9 as part of the ongoing site assessment. Additional information is available in Cambria's October 20, 2006 *Additional Subsurface Investigation Report*.

2007 Offsite Sump Sampling

In May 2007, Conestoga-Rovers & Associates (CRA) collected a single grab-groundwater sample from the sump located downgradient in the Diocese of Oakland office building basement. Sump monitoring was added to the semi-annual groundwater monitoring and sampling schedule. Additional information is available in CRA's July 12, 2007 *Offsite Sampling Report*.

APPENDIX B

UST REMOVAL PERMIT

PLAN REVIEW LOG

JOB # - P10-0119 File

Date Submitted: Feb 5, 2010
Date Assigned: Feb 5, 2010

Job Site: 3026 LAKESHORE AVE

Company Name: Musco Excavators, Inc.

Company Phone #: 707-579-0250

Contact Person: ALISON MUSCO

Expedite/After Hours: ○ Yes ○ No

Type of Plans: ust removals (4)

Reviewer: Insp Matthews

Fees Paid: Yes

Fees Paid Date: Feb 5, 2010

Disposition

Pick Up/Mailed Date

Pick up person

Pick up person Phone #

Resubmitted: ○ Yes ○ No
○ 1st ○ 3rd
○ 2nd ○ 4th

Resubmitted Dates
1.)
2.)
3.)
4.)

Reviewed Dates
1.)
2.)
3.)
4.)

Amount of Time

Review Complete Date

Plan Check Fees (NO inspections included)
Submittal/Resubmittal, full price for each system

	Units	Subtotal
Sprinkler System/Zone	○ 242.16	
Standpipe System	○ 242.16	
Underground Main	○ 242.16	
Fire Pump System	○ 242.16	
Fire Hydrant	○ 242.16	
FM 200, Halon, gas suppression system	○ 242.16	
Dry chemical suppression system	○ 242.16	
Spray Booth Installation	○ 242.16	
Expedited plan check fee (a-h) min 2.0 hr (FP Engineer)	○ 352.20	
Evacuation Plans	○ 242.16	
Fire Alarm System	○ 242.16	
Range Hood & Duct Suppression System	○ 242.16	
Expedited plan check fee (i-j) min 2.0 hrs (Fire Inspector)	○ 352.20	

Inspection Fees

Inspection, $149.49/hour	○ 149.49	
Reinspection, $149.49/hour	○ 149.49	
After Hours Inspection ($242.16 x 2.5 hrs) $242.16 after 1st two hours	○ 605.40	

Tank Permit Fees/CUPA

Removal, 1st Tank ($242.16/hr x 2.5 hrs min) plus inspection $149.49)	◉ 754.89	$754.89
$149.49 each additional tank	◉ 149.49 3	$448.47
Installation, 1st Tank ($242.16/hr x 2.5 hrs min. plus inspection $598.37)	○ 1203.77	
$149.49 each additional tank	○ 149.49	
Modifications:	○ 142.37	

Other Fees

Consultation Fee / FP Engineering	○ 242.16	
Building Permit Fire Code Review for % of Building Permit Cost:		

Total Cost $ 1,203.36

Comments

2/5/10 via us mail rec'd 2 copies of closure plans for ust tank removals; specifications ast removal;underground tank install. modifications; ast install. specifications; appl for permit to install, reove or repair tanks in the City of Oakland and check enclosed for $1202.47. c.p.

Mailing Address

Musco Excavators, Inc.

Date:	Check #	Amount Received:
2/5/2010	7297	$1,202.47

Total Amount Received: $1,202.47

Total Amount Due: $0.89

Billing Invoice Date:

Updated 3/31/08

3026 Lakeshore Ave
2 ust
remedy!

expires 2/22/2011

MUSCO EXCAVATORS, INC.
2526 GREENVALE COURT
SANTA ROSA, CA 95401
(707) 579-0250 • FAX (707) 575-7389
CONTRACTOR LIC. #634117

February 1, 2010

City of Oakland Fire Department
Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

Attention: Keith Mathews

Re: PROJECT WORK PLAN
Chevron Facility #9-0121
3026 Lakeshore Avenue
Oakland, California

Musco Excavators, Inc. (Musco) proposes to remove four 10,000-gallon SW glass underground tanks formerly consisting of regular (2), mid-grade and premium fuel from the Chevron facility located at 3026 Lakeshore Avenue in Oakland, California.

The following procedures will be implemented prior to and during the removal process.

The site will continue to be surrounded by six foot high temporary fencing, which will remain in place during the entire project and secured to prevent unnecessary entrance by the public. Prior to beginning the excavation USA will be contacted a minimum 48-hours prior to mark utilities, notification will be made to OSHA for the excavation and Bay Area Air Quality Management District (BAAQMD) will be provided with their 5-working day notice for the tank removal. No Smoking signs will be placed around the perimeter of the fence and a minimum 40BC rated portable fire extinguisher will be centrally located on-site.

These tanks were placed in temporary closure with the Oakland Fire Department on 3/31/09 under permit number P09-0574 and have been regularly monitored.

Once we complete the above notifications, we will uncover the tanks and lines. If we feel the material generated, approximately 300 cy, could potentially be contaminated, it will be placed on and covered with plastic sheeting and secured from potential run-off. Adams Services will return to the site to clean and ice the tanks and a Marine Chemist will certify the tanks non-hazardous by following all or some of the procedures listed below, which are in accordance with California Code of Regulations, Title 22, Division 4.5, Chapter 32. All of the following closure procedures may not be necessary due to the tanks being placed in the current temporary closure status and having been monitored on a regular basis.

1. Use a recently calibrated LEL/O2 meter to measure volatile vapors and percentage of oxygen in the tank's interior. A certified marine chemist will oversee all LEL/O2 measurements.

2. Remove all possible remaining fluids via vacuum truck & hoses using proper grounding and bonding procedures.
3. Triple-rinse the tank's interior using a 2,000 psi cold water pressure washer, also grounded and bonded. Pump all rinseate using a 2" non sparking stinger lowered through the bung at the low end of each tank.
4. Obtain LEL/O2 readings again.
5. Introduce pellet dry ice into the tanks under the oversight of the marine chemist. The amount of dry ice will be determined by the tank volume as outlined in the California Code of Regulations, Title 22, Division 4.5, Chapter 32.
6. The marine chemist will certify the tanks clean and inert upon visually confirming absence of all sludge and LEL of 0% by taking readings at the top, center and bottom of each tank and providing a completed Hazardous Waste Tank Closure Certification.
7. Tanks will be loaded onto trucks provided by Adams Services by way of an excavator provided by Musco and secured with no less than four (4) - 4" webbing style straps each. All openings in the tanks shall be plugged, except for a 1/8" vent. Tanks will be transported from the site, the same day as the removal, as non-hazardous waste to Vasco Road Landfill in Livermore.
8. Adams Services will provide a bin for the product piping, which will be removed and loaded by Musco. Under California Health and Safety Code 25143.12, piping can be transported as non-hazardous waste to a Class I or II Landfill.

Once the tanks and lines have been removed, soil samples will be collected by Conestoga – Rovers & Associates (CRA) in the presence of the field inspector. The location and manner of sampling and analyses shall be in accordance with Regional Water Quality Control Board (RWQCB) guidelines, as directed by the field inspector and as outlined below.

Water in Excavation?	Tank Size	Minimum # of Soil Samples	Location of Soil Samples	Minimum # of Water Samples
No	≤ 10,000 gallon	Two per tank	One at each end of the tank	None
No	> 10,000 gallon	Three or more per tank	Ends and middle or spaced along tank length	None
Yes	10,000 gallon or less (single tank)	Two	From wall next to tank ends at soil/ground water surface	One
Yes	>10,000 gallon or tank cluster	Four	From wall next to tank ends at soil/groundwater interface	One

In addition, one sample will be collected from under each of the fuel dispensers and along every 20 linear feet of piping trench or change in trench direction. All samples will be collected from two feet of native soil. It will be the discretion of the field inspector if stockpile samples will be collected and how many. All sampling and testing methods will be followed as outlined in Table #2, which is attached. Samples will immediately be sent to Lancaster Laboratory in Lancaster, PA – a California certified lab. Results could be available in as few as 24-hours or as long as one week and if contamination is present,

CRA will work with the Lead Agency to develop a site remediation plan. While awaiting analytical results, the excavation areas shall be secured by barricading them with delineators, which will be wrapped with caution tape.

Once the excavations are rendered clean the stockpiled pea gravel will be utilized to backfill. Additionally, up to 350 tons of ¾" Class II recycled base rock will be imported to fill the void. The material will be placed in 8" – 12" lifts, witnessed by a licensed geotechnical firm and tested to confirm an average 95% compaction has been achieved based on test method ASTM D 1557. A final compaction report will be generated and available for review, if requested.

Oakland Fire Department will be notified with sufficient time (minimum 48-hours) of the tank removal. In addition, CRA will provide a written report of the tank and sampling process within 30-days of the removal.

Please feel free to contact us if additional information is necessary or to discuss the content above.

Respectfully,

MUSCO EXCAVATORS, INC.

Alison Musco

Attachment: Table #2 – "*Recommended Minimum Verification Analyses for Underground Storage Tank Leaks*"

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND STORAGE TANK LEAKS

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

TABLE #2
Revised March 1, 1999

HYDROCARBON LEAK	SOIL ANALYSIS (SW-846 Method)		WATER ANALYSIS (Water/Waste Water Method)	
Gasoline (Leaded and Unleaded)	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	Total Lead	AA --Optional--*	Total Lead	AA
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Unknown Fuel	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	Total Lead	AA --Optional--*	Total Lead	AA
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
Chlorinated Solvents	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
Nonchlorinated Solvents	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
Waste, Used, or Unknown Oil	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, and TBA by 8260 for soil and 524.2/624 (8260) for water			
	Metals (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water			
	PCB,† PCP,† PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water			

NOTES:
1. 8021 replaces old methods 8020 and 8010.
2. 8260 replaces old method 8240.
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

* Optional per Regional Water Quality Control Board (Board), but local agency that regulates UST system may require analysis for Organic Lead. Check with your local agency regarding their requirements.

† If found, analyze for dibenzofurans (PCBs) or dioxins (PCP).

APPENDIX C

CRA'S STANDARD FIELD PROCEDURES FOR COMPLIANCE SAMPLING

STANDARD FIELD PROCEDURES FOR COMPLIANCE SAMPLING

This document describes Conestoga-Rovers and Associates' (CRA) standard operating procedures for collecting compliance soil and groundwater samples during underground storage tank (UST) facility removal and excavation. These procedures ensure that the samples are collected, handled, and documented in compliance with California Administration Code Title 23: Waters; Chapter 3: Water Resources Control Board; Subchapter 16: Underground Storage Tank Regulations (Title 23). CRA's sampling procedures are also based on guidelines contained in the California State Regional Water Quality Control Board Tri-Regional Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites dated August 10, 1990.

The objective of sample collection during underground storage tank facility removal or excavation is to evaluate surrounding soils. Excavated soils are typically screened using an organic vapor analyzer (i.e., PID or FID) to determine the presence of petroleum hydrocarbons or other constituents of concern. Additional soil samples may also be collected based on visual observations. The quantity and location of samples will be based on governing regulatory requirements and field observations.

The soil samples are collected in steam cleaned brass or steel tubes from either a slide-hammer type sampler or the bucket of a backhoe. When a backhoe is used, approximately three inches of soil are scraped from the surface and the tube is driven into the exposed soil. Upon removal from the sampler or the backhoe, the samples are trimmed flush, capped with Teflon sheets and plastic end caps, labeled, logged, placed on ice or refrigerated, and transported under chain of custody to a State certified laboratory.

Groundwater samples are collected using new disposable bailers and decanted into laboratory provided containers, labeled, logged, placed on ice or refrigerated, and transported under chain of custody to a State certified laboratory.

APPENDIX D

WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAR000116764	1	800 231-0623	004202881 JJK

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON PRODUCTS, Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
Generator's Phone: 925 842-5931 Attn:KATHY MORRIS

Generator's Site Address (if different than mailing address)
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND, CA 94610

6. Transporter 1 Company Name: ADAMS SERVICES, INC.
U.S. EPA ID Number: CAR000189431

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

8. Designated Facility Name and Site Address
SIEMENS WATER TECHNOLOGIES COR
6375 SOUTH BOYLE AVE.
LOS ANGELES, CA 90058
Facility's Phone: 323 277-1500
U.S. EPA ID Number: CAD097030993

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID EMPTY UNDERGROUND STORAGE TANK	1	DT	3	T	S12
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.) 10K TANK - EMPTY UNDERGROUND

PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MOSCO EXCAVATING

PROFILE #188886 (AP)

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 | Signature | Month 3 | Day 10 | Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month 3 | Day 10 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

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

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 | Signature | Month | Day | Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000116764
2. Page 1 of: 1
3. Emergency Response Phone: 800 231-0623
4. Manifest Tracking Number: 004202882 JJK

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON PRODUCTS; Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
Generator's Phone: 925 842-5931 Attn:KATHY NORRIS

Generator's Site Address (if different than mailing address)
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND , CA 94610

6. Transporter 1 Company Name: HOYT TRANSPORTATION, INC.
U.S. EPA ID Number: CAD981425853

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

8. Designated Facility Name and Site Address
SIEMENS WATER TECHNOLOGIES CORP
5375 SOUTH BOYLE AVE.
LOS ANGELES, CA 90058
Facility's Phone: 323 277-1500
U.S. EPA ID Number: CAD097030993

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE SOLID EMPTY UNDERGROUND STORAGE TANK (3)	1	DT	3	T	512		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PPE
PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MUSCO EXCAVATING

1) 10K TANK - EMPTY UNDERGROUND

PROFILE #AP188886

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: [illegible] Signature: [signature] Month: 5 Day: 1 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Hoyt Signature: [signature] Month: 5 Day: 1 Year: 10

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

DESIGNATED FACILITY

18. Discrepancy

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

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: Signature: Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000116764
2. Page 1 of: 1
3. Emergency Response Phone: 800 231-0623
4. Manifest Tracking Number: 004202883 JJK

GENERATOR

5. Generator's Name and Mailing Address:
CHEVRON PRODUCTS; Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
925 842-5931 Attn:KATHY MORRIS

Generator's Site Address (if different than mailing address):
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND , CA 94610

Generator's Phone:

6. Transporter 1 Company Name: HOYT TRANSPORTATION, INC.
U.S. EPA ID Number: CAD981425853

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

8. Designated Facility Name and Site Address:
SIEMENS WATER TECHNOLOGIES CORP
5375 SOUTH BOYLE AVE.
LOS ANGELES, CA 90058
323 277-1500
U.S. EPA ID Number: CAD097030993

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE SOLID EMPTY UNDERGROUND STORAGE TANK (S)	1	DT	3	T	512		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PPE
PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MUSCO EXCAVATING

1) 10K TANK - EMPTY UNDERGROUND

PROFILE #AP188886

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: [illegible] | Signature: [signature] | Month: 3 | Day: 1 | Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] | Signature: [signature] | Month: 3 | Day: 10 | Year: 10

Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

DESIGNATED FACILITY

18. Discrepancy

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

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 | Signature | Month | Day | Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAD000116764	1	800 231-0623	004202884 JJK

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON PRODUCTS; Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
Generator's Phone: 925 842-5931 Attn:KATHY MORRIS

Generator's Site Address (if different than mailing address)
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND , CA 94610

6. Transporter 1 Company Name: HOYT TRANSPORTATION, INC.
U.S. EPA ID Number: CAD981425853

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
SIEMENS WATER TECHNOLOGIES COR
5375 SOUTH BOYLE AVE.
LOS ANGELES, CA 90058
Facility's Phone: 323 277-1500
U.S. EPA ID Number: CAD097030993

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID EMPTY UNDERGROUND STORAGE TANK	1	DT	3	T	S12
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PPE
PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MUSCO EXCAVATING

1) 10K TANK - EMPTY UNDERGROUND

PROFILE #AP188886

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: George Johns
Signature:
Month: 05 Day: 10 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joe Lachman
Signature:
Month: 5 Day: 10 Year: 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
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
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAR000116764	1	800 231-0623	004202885 JJK

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON PRODUCTS; Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
925 842-5931 Attn:KATHY MORRIS
Generator's Phone:

Generator's Site Address (if different than mailing address)
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND , CA 94610

6. Transporter 1 Company Name: ADAMS SERVICES, INC.
U.S. EPA ID Number: CAR000189431

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

8. Designated Facility Name and Site Address
SIEMENS WATER TECHNOLOGIES CORP
6375 SOUTH BOYLE AVE.
LOS ANGELES, CA 90058
323 277-1500
Facility's Phone:
U.S. EPA ID Number: CAD097030993

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE SOLID FIBERGLASS/STEEL PIPING; UOC PARS; CONST. DEBRIS	1	CM	4	T	512		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MOSCO EXCAVATING
1) FIBERGLASS/STEEL PIPING

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: [illegible] John [illegible] | Signature | Month 10 | Day 10 | Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] | Signature | Month 10 | Day | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

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

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 | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

87646

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME CHEVRON PRODUCTS; Waste Tracking Desk Attn: KATHY NORRIS

ADDRESS P. O. BOX 6004

CITY, STATE, ZIP SAN RAMON, CA 94583 PHONE NO. (925) 842-5931

CONTAINERS: No. 1 VOLUME _____ WEIGHT 4000 Pounds

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION GAS/DIESEL DISPENSER (S) GENERATING PROCESS DISPENSER REPLACEMENT

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. STEEL		100	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MUSCO EXCAVATORS, INC.

Facility:
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND, CA 94610

for Chevron U.S.A.

TYPED OR PRINTED FULL NAME & SIGNATURE 8-5-10 DATE

TRANSPORTER

NAME ADAMS SERVICES, INC.

ADDRESS 406 E. ALONDRA BLVD. SERVICE ORDER NO. _____

CITY, STATE, ZIP GARDENA CA 90248-2902 PICK UP DATE _____

PHONE NO. (310) 523-4430

TRUCK, UNIT, I.D. NO. AL CASTELLON TYPED OR PRINTED FULL NAME & SIGNATURE 8-5-10 DATE

TSD FACILITY

NAME SA RECYCLING Profile Id: _____

ADDRESS 3200 E. FRONTERA ST. DISPOSAL METHOD ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP ANAHEIM CA 92816

PHONE NO. (714) 777-2277

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

Manifest No: 87646

GENERATOR'S PRELIMINARY COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000116764
2. Page 1 of: 1
3. Emergency Response Phone: 800 231-0623
4. Manifest Tracking Number: 004202509 JJK

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON PRODUCTS, Waste Tracking Desk
P. O. BOX 6004
SAN RAMON, CA 94583
Generator's Phone: 925 842-5931 Attn: PATTY MORRIS

Generator's Site Address (if different than mailing address)
CHEVRON STATION 90121
3026 LAKESHORE AVENUE
OAKLAND, CA 94610

6. Transporter 1 Company Name: ADAMS SERVICES, INC.
U.S. EPA ID Number: CAR000189431

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

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
1704 W. FIRST STREET
AZUSA, CA 91702
Facility's Phone: 626 334-5117
U.S. EPA ID Number: CAD008302903

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. WASTE FLAMMABLE LIQUID, N.O.S., 3, UN1993, PGII, (D001), (D018) (GASOLINE/DIESEL)	1	TT	500	G	D001	D018	
						134	220	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
PROJECT MANAGER: MONICA MOLINAR
CONTRACTOR: MUSCO EXCAVATORS, INC.
PROFILE #23267

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: [illegible] Signature: [illegible] Month: 3 Day: 31 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Signature: Month: Day: Year:

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

DESIGNATED FACILITY

18. Discrepancy

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

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: Signature: Month: Day: Year:

00001

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

ADAMS SERVICES
TANK CLEANING EXPERTS

▶ Tank Cleaning ▶ Industrial and Hazardous Waste Services

406 E. Alondra Blvd. • Gardena, CA 90248-2902 • Tel.: (310) 523-4430 • Fax: (310) 523-1518

DATE: 6/14/10

SITE: **CHEVRON #90121**
3026 Lakeshore Avenue
Oakland, CA 94610

TANK ATMOSPHERE LOG

INITIAL READING:

READING	87 TANK	89 TANK	92 TANK	~~DIESEL~~ 87 2ND	TIME	INITIALS
OXYGEN	4.6 %	4.3 %	4.2 %		3:30 PM	AC
LEL	0 %	0 %	0 %		3:30 PM	AC

NOTES: _____

AFTER VENTILATION:

READING	87 TANK	89 TANK	92 TANK	DIESEL	TIME	INITIALS
OXYGEN						
LEL						

NOTES: _____

AFTER INERTING:

READING	87 TANK	89 TANK	92 TANK	~~DIESEL~~ 87 2ND	TIME	INITIALS
OXYGEN	2.9 %	2.7 %	2.5 %		4:30 PM	AC
LEL	0 %	0 %	0 %	0 %	4:30 PM	AC

NOTES: ~~NO~~ DIESEL — 2 REG. 87 —

PRAXAIR

CHARGE OAKLAND

Warning: Transporting flammable gases and/or hazardous materials in an enclosed van, automobile or automobile trunk is very dangerous because it can cause a fire or explosion resulting in serious injury or death. Read cylinder label warnings, Material Safety Data Sheets (MSDSs) and DOT safety rules in 49 CFR.

P I C K I N G T I C K E T

Sold by: PRAXAIR DISTRIBUTION INC
2006 EAST 223RD STREET
LONG BEACH CA 90810
(310) 816-9397

Cust # : 105.83

Order # : 136776750 000

Ship to: ADAMS SERVICES INC
406 E ALONDRA BLVD
GARDENA CA 90248-2902
310-523-4430

Order Date: 06/10/10
Ship Date: 06/11/10
Page : 001 OF 001

NAME : ADAMS SERVICES INC
PO # : .
REL# :
PHONE#: 310-523-4430
TER: 255
SLS: 253
BRN: 256
Ship Date: 06/11/10
SHIP VIA: OUR TRUCK -NONE-
OTH ZONE: 46
COL/PPD : PPD&Add
UPS: 0
ROUTE # : 256003
INITIALS: KEV
ORD TYPE: CHRG
TIME : 10 JUN 10 06:39PM
CRT : TH0037
Route Nbr 256003 Stop Nbr 000
Vehicle 00000 Driver 000

QTY SHIP	UNIT	HM	DESCRIPTION & HAZARD CLASS	ID NUMBER	LINE NO	ITEM NUMBER	LOC	QTY ORDER	CYLINDERS SHIP	CYLINDERS RETN	VOL/ WT	UNIT AMOUNT	EXTENDED AMOUNT
			NUGGETS MUST BE BAGGED... MARK BIN OAKLAND...DELIVER @ 1: AM MONDAY SUNDAY DELIVERY IS O.K										
			Ent:06/10 18:39 Prm:06/11 10:00-21:00 Act:_____										
1000	LB	X	CARBON DIOXIDE, SOLID, 9, PG III (CO2 DRY ICE NUGGETS)	UN1845	1	CO NUGGET	256	1000			1000		
0	BX	X	CARBON DIOXIDE, SOLID, 9, PG III NON-FLAMMABLE GAS (CO2 DRY ICE NUGGETS W/HDPE BOX) (VOL IN LBS REQ 1000	UN1845	2	CO NUGGET UNIT	256	0	4 4 0	0			

Must Be Bagged

QTY SHIP	UNIT	HM	DESCRIPTION & HAZARD CLASS	LINE NO	ITEM NUMBER	LOC	QTY ORDER	QTY BKORD	BIN LOC	WT	UNIT AMOUNT	EXTENDED AMOUNT
1000	EA		BULK SURCHARGE CARBON DIOXIDE	7	ZZZ BULKSURCD	110	1000	0		.0		
1	EA		HAZARDOUS MATERIAL CHARGE	5	ZZZ HM	256	1	0		.0		
1	EA		ENERGY AND FUEL CHARGE	6	MSC FC	256	1	0		.0		

* NOTE: Last Stop SLICED 10 X 2 X 3. DELIVERY BY 5:00 PM. GATE KEY REQUIRED TO

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

EMERGENCY RESPONSE TELEPHONE NUMBER:
CALL CHEMTREC 1-800-424-9300

Authorized Signature _____ Received by _____

6/11/10

PLACARDS OFFERED ACCEPTED REJECTED

CUSTOMER'S COPY

SIEMENS

Siemens Water Technologies Corp.

Certificate of Treatment, Waste Management or Recycling

Issued To:

KATHY NORRIS
CHEVRON PRODUCTS 90121
3026 LAKESHORE AVEUE P.O.BOX 6004
OAKLAND, CA 94610

This Certifies That:

Manifest Number: **004202881JJK**

Date Received: **8/11/2010**

The waste described on the above manifest was received and accepted by Siemens Water Technologies Corp. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Water Technologies Corp. 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 Water Technologies Corp. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

SIEMENS

Siemens Water Technologies Corp.

Certificate of Treatment, Waste Management or Recycling

Issued To:

KATHY NORRIS
CHEVRON PRODUCTS 90121
3026 LAKESHORE AVEUE P.O.BOX 6004
OAKLAND, CA 94610

This Certifies That:

Manifest Number: **004202882JJK**

Date Received: **8/11/2010**

The waste described on the above manifest was received and accepted by Siemens Water Technologies Corp. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Water Technologies Corp. 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 Water Technologies Corp. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

SIEMENS

Siemens Water Technologies Corp.

Certificate of Treatment, Waste Management or Recycling

Issued To:

KATHY NORRIS
CHEVRON PRODUCTS 90121
3026 LAKESHORE AVEUE P.O.BOX 6004
OAKLAND, CA 94610

This Certifies That:

Manifest Number: **004202883JJK**

Date Received: **8/11/2010**

The waste described on the above manifest was received and accepted by Siemens Water Technologies Corp. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Water Technologies Corp. 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 Water Technologies Corp. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

SIEMENS

Siemens Water Technologies Corp.

Certificate of Treatment, Waste Management or Recycling

Issued To:

KATHY NORRIS
CHEVRON PRODUCTS 90121
3026 LAKESHORE AVEUE P.O.BOX 6004
OAKLAND, CA 94610

This Certifies That:

Manifest Number: **004202884JJK**

Date Received: **8/11/2010**

The waste described on the above manifest was received and accepted by Siemens Water Technologies Corp. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Water Technologies Corp. 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 Water Technologies Corp. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

SIEMENS

Siemens Water Technologies Corp.

Certificate of Treatment, Waste Management or Recycling

Issued To:

KATHY NORRIS
CHEVRON PRODUCTS 90121
3026 LAKESHORE AVEUE P.O.BOX 6004
OAKLAND, CA 94610

This Certifies That:

Manifest Number: **004202885JJK**

Date Received: **8/11/2010**

The waste described on the above manifest was received and accepted by Siemens Water Technologies Corp. for treatment, recycling, or other management in accordance with applicable treatment standards and Federal, State and local requirements. The Siemens Water Technologies Corp. 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 Water Technologies Corp. completes all of the Certificate Holder's responsibilities under the Federal Resource Conservation and Recovery Act and the California Hazardous Waste Control Act.

APPENDIX E

McCAMPBELL'S ANALYTICAL RESULTS

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Reported: 08/11/10
Emeryville, CA 94608	Client P.O.:	Date Completed: 08/11/10

WorkOrder: 1008250

August 11, 2010

Dear Dan:

Enclosed within are:

1) The results of the **21** analyzed samples from your project: **#311973; 9-0121; 3026 Lakeshore Ave, Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

RUSH

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dan Glaze Bill To: Conestoga- Rovers & Associates

Company: Conestoga- Rovers & Associates

5900 Hollis St, Suite A

Emeryville, CA E-Mail: dglaze@crawworld.com

Tele: (510) 420-0700 Fax: (510) 420-9170

Project #: 311973 Project Name: 9-0127

Project Location: 3026 Lakeshore ave, Oakland

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
P-1	6.5 ft	8/10	11:45	1			X				X			
P-2	5 ft	8/10	11:59	1			X				X			
P-3	5 ft	8/10	12:07	1			X				X			
P-4	5 ft	8/10	12:16	1			X				X			
P-5	5 ft	8/10	12:25	1			X				X			
P-6	4 ft	8/10	12:30	1			X				X			
P-7	4 ft	8/10	12:35	1			X				X			
P-8	4 ft	8/10	12:40	1			X				X			
P-9	4 ft	8/10	12:55	1			X				X			
P-10	4 ft	8/10	13:02	1			X				X			
P-11	4 ft	8/10	13:05	1			X				X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														

Other

Filter sample for DISSOLVED metals analysis	TPH, BTEX (8260) MTBE TAME, ETBE, DIPE, TBA, EDB & Ethanol 8260
	X X
	X X
	X X
	X X
	X X
	X X
	X X
	X X
	X X
	X X

Comments

**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	8/10	1633	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.8

GOOD CONDITION

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

McCAMPBELL ANALYTICAL, INC.
1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dan Glaze **Bill To:** Conestoga-Rovers & Associates

Company: Conestoga-Rovers & Associates

5900 Hollis St, Ste A

Emeryville, CA **E-Mail:** dglaze@craworld.com

Tele: (510) 420-0700 **Fax:** (510) 420-9570

Project #: 311923 **Project Name:** 9-0121

Project Location: 3026 Lakeshore Ave, Oakland, CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
P-12		8/10	13:13	1			X				X			
P-13		8/10	13:15	1			X				X			
P-14		8/10	13:21	1			X				X			
GW-1		8/10	13:30	9		X					X			
Ex-6		8/10	11:31	1			X				X			
Ex-5		8/10	11:28	1			X				X			
Ex-4		8/10	11:24	1			X				X			
Ex-3		8/10	11:21	1			X				X			
Ex-2		8/10	11:17	1			X				X			
Ex-1		8/10	11:13	1			X				X			

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														
	X														

Other

Filter sample for DISSOLVED metals analysis	TPH's and BTEX (8260)	MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC, Ethanol 8260
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X

Comments

Indicate here if these samples are potentially dangerous to handle:

7 VOAs
2 Ambers

MAI client MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	8/10	1633	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____ COMMENTS:

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1008250 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dan Glaze
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX (510) 420-9170

Email: dglaze@CRAworld.com
cc:
PO:
ProjectNo: #311973; 9-0121; 3026 Lakeshore Ave, Oakland

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: **08/10/2010**
Date Printed: **08/10/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1008250-001	P-1	Soil	8/10/2010 11:48	☐			A		A							
1008250-002	P-2	Soil	8/10/2010 11:59	☐			A		A							
1008250-003	P-3	Soil	8/10/2010 12:07	☐			A		A							
1008250-004	P-4	Soil	8/10/2010 12:16	☐			A		A							
1008250-005	P-5	Soil	8/10/2010 12:25	☐			A		A							
1008250-006	P-6	Soil	8/10/2010 12:30	☐			A		A							
1008250-007	P-7	Soil	8/10/2010 12:35	☐			A		A							
1008250-008	P-8	Soil	8/10/2010 12:40	☐			A		A							
1008250-009	P-9	Soil	8/10/2010 12:55	☐			A		A							
1008250-010	P-10	Soil	8/10/2010 13:02	☐			A		A							
1008250-011	P-11	Soil	8/10/2010 13:03	☐			A		A							
1008250-012	P-12	Soil	8/10/2010 13:13	☐			A		A							
1008250-013	P-13	Soil	8/10/2010 13:15	☐			A		A							
1008250-014	P-14	Soil	8/10/2010 13:21	☐			A		A							

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	GAS8260_S	4	GAS8260_W	5	TPH(D)_S
6	TPH(D)_W	7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015B, 016A, 017A, 018A, 019A, 020A, 021A contain testgroup.

Prepared by: Ana Venegas

Comments: 24hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1008250 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dan Glaze
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX (510) 420-9170

Email: dglaze@CRAworld.com
cc:
PO:
ProjectNo: #311973; 9-0121; 3026 Lakeshore Ave, Oakland

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: **08/10/2010**
Date Printed: **08/10/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1008250-015	GW-1	Water	8/10/2010 13:30	☐				B		A						
1008250-016	EX-6	Soil	8/10/2010 11:31	☐			A		A							
1008250-017	EX-5	Soil	8/10/2010 11:28	☐			A		A							
1008250-018	EX-4	Soil	8/10/2010 11:24	☐			A		A							
1008250-019	EX-3	Soil	8/10/2010 11:21	☐			A		A							
1008250-020	EX-2	Soil	8/10/2010 11:17	☐			A		A							
1008250-021	EX-1	Soil	8/10/2010 11:11	☐			A		A							
1008250-022	SS-3	Soil	8/10/2010 12:41	☐	A	A			A							
1008250-023	SS-2	Soil	8/10/2010 12:32	☐	A	A			A							
1008250-024	SS-1	Soil	8/10/2010 12:24	☐	A	A			A							

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	GAS8260_S	4	GAS8260_W	5	TPH(D)_S
6	TPH(D)_W	7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A, 014A, 015B, 016A, 017A, 018A, 019A, 020A, 021A contain testgroup.

Prepared by: Ana Venegas

Comments: 24hr rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates** Date and Time Received: **8/10/2010 4:56:42 PM**

Project Name: **#311973; 9-0121; 3026 Lakeshore Ave, Oakland** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1008250** Matrix Soil/Water Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/10-08/11/10

TPH(g) by Purge & Trap and GC/MS*

Extraction method SW5030B Analytical methods SW8260B Work Order: 1008250

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	P-1	S	5.7	2	88	
002A	P-2	S	7.2	1	118	
003A	P-3	S	9.4	4	117	
004A	P-4	S	980	200	83	
005A	P-5	S	1.1	1	110	
006A	P-6	S	2.2	1	118	
007A	P-7	S	8.4	2	93	
008A	P-8	S	410	100	109	
009A	P-9	S	0.89	1	119	
010A	P-10	S	1.3	1	105	
011A	P-11	S	390	100	96	
012A	P-12	S	770	200	93	
013A	P-13	S	780	100	97	
014A	P-14	S	620	100	99	
015B	GW-1	W	360	1	113	b1
016A	EX-6	S	1.6	1	116	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	0.25	mg/kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/10-08/11/10

TPH(g) by Purge & Trap and GC/MS*

Extraction method SW5030B Analytical methods SW8260B Work Order: 1008250

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
017A	EX-5	S	0.78	1	116	
018A	EX-4	S	20	2	107	
019A	EX-3	S	1.1	1	92	
020A	EX-2	S	7.9	1	106	
021A	EX-1	S	2.5	1	90	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	0.25	mg/kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
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b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10-08/11/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

Lab ID	1008250-001A	1008250-002A	1008250-003A	1008250-004A	Reporting Limit for DF =1	
Client ID	P-1	P-2	P-3	P-4		
Matrix	S	S	S	S		
DF	2	1	4	200	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.010	ND	ND<0.020	ND<1.0	0.005	NA
Benzene	0.041	ND	ND<0.020	1.4	0.005	NA
t-Butyl alcohol (TBA)	ND<0.10	0.17	0.24	ND<10	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.0080	ND	ND<0.016	ND<0.80	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.0080	ND	ND<0.016	ND<0.80	0.004	NA
Diisopropyl ether (DIPE)	ND<0.010	ND	ND<0.020	ND<1.0	0.005	NA
Ethanol	ND<1.0	ND	ND<2.0	ND<100	0.5	NA
Ethylbenzene	0.040	0.039	ND<0.020	16	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.010	ND	ND<0.020	ND<1.0	0.005	NA
Methyl-t-butyl ether (MTBE)	0.074	0.17	0.46	ND<1.0	0.005	NA
Toluene	0.22	ND	ND<0.020	ND<1.0	0.005	NA
Xylenes	0.20	0.16	0.035	2.6	0.005	NA
Surrogate Recoveries (%)						
%SS1:	94	99	94	96		
%SS2:	103	106	102	101		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

a3) sample diluted due to high organic content.

Angela Rydelius, Lab Manager

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"When Quality Counts"
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10-08/11/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

Lab ID	1008250-005A	1008250-006A	1008250-007A	1008250-008A	Reporting Limit for DF =1	
Client ID	P-5	P-6	P-7	P-8		
Matrix	S	S	S	S		
DF	1	1	2	20	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND<0.010	ND<0.10	0.005	NA
Benzene	ND	ND	ND<0.010	ND<0.10	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND<0.10	ND<1.0	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND<0.0080	ND<0.080	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<0.0080	ND<0.080	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND<0.010	ND<0.10	0.005	NA
Ethanol	ND	ND	ND<1.0	ND<10	0.5	NA
Ethylbenzene	ND	0.0054	ND<0.010	3.0	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND<0.010	ND<0.10	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	0.0081	0.037	ND<0.10	0.005	NA
Toluene	ND	ND	ND<0.010	ND<0.10	0.005	NA
Xylenes	ND	ND	ND<0.010	0.12	0.005	NA
Surrogate Recoveries (%)						
%SS1:	92	93	92	93		
%SS2:	109	109	103	109		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

a3) sample diluted due to high organic content.

Angela Rydelius, Lab Manager

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"When Quality Counts"
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10-08/11/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

Lab ID	1008250-009A	1008250-010A	1008250-011A	1008250-012A	Reporting Limit for DF =1	
Client ID	P-9	P-10	P-11	P-12		
Matrix	S	S	S	S		
DF	1	1	100	200	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND<0.50	ND<1.0	0.005	NA
Benzene	ND	ND	ND<0.50	ND<1.0	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND<5.0	ND<10	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND<0.40	ND<0.80	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<0.40	ND<0.80	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND<0.50	ND<1.0	0.005	NA
Ethanol	ND	ND	ND<50	ND<100	0.5	NA
Ethylbenzene	ND	ND	ND<0.50	ND<1.0	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND<0.50	ND<1.0	0.005	NA
Methyl-t-butyl ether (MTBE)	0.0051	ND	ND<0.50	ND<1.0	0.005	NA
Toluene	ND	ND	ND<0.50	ND<1.0	0.005	NA
Xylenes	ND	ND	ND<0.50	ND<1.0	0.005	NA
Surrogate Recoveries (%)						
%SS1:	88	91	114	117		
%SS2:	109	109	90	90		
Comments			a3	a3		

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

a3) sample diluted due to high organic content.

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10-08/11/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

Lab ID	1008250-013A	1008250-014A	1008250-016A	1008250-017A	Reporting Limit for DF =1	
Client ID	P-13	P-14	EX-6	EX-5		
Matrix	S	S	S	S		
DF	100	100	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.50	ND<0.50	ND	ND	0.005	NA
Benzene	0.70	1.0	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND<5.0	ND<5.0	ND	0.12	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.40	ND<0.40	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.40	ND<0.40	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND<0.50	ND<0.50	ND	ND	0.005	NA
Ethanol	ND<50	ND<50	ND	ND	0.5	NA
Ethylbenzene	5.9	9.4	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.50	ND<0.50	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND<0.50	ND<0.50	ND	0.087	0.005	NA
Toluene	ND<0.50	ND<0.50	ND	ND	0.005	NA
Xylenes	0.66	0.84	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	123	123	92	91		
%SS2:	92	93	108	108		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

a3) sample diluted due to high organic content.

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10-08/11/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10-08/11/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

Lab ID	1008250-018A	1008250-019A	1008250-020A	1008250-021A	Reporting Limit for DF =1	
Client ID	EX-4	EX-3	EX-2	EX-1		
Matrix	S	S	S	S		
DF	2	4	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND<0.010	ND<0.020	ND	ND	0.005	NA
Benzene	ND<0.010	ND<0.020	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	0.23	0.35	ND	0.16	0.05	NA
1,2-Dibromoethane (EDB)	ND<0.0080	ND<0.016	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND<0.0080	ND<0.016	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND<0.010	ND<0.020	ND	ND	0.005	NA
Ethanol	ND<1.0	ND<2.0	ND	ND	0.5	NA
Ethylbenzene	ND<0.010	ND<0.020	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND<0.010	ND<0.020	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	0.22	0.77	0.041	0.18	0.005	NA
Toluene	ND<0.010	ND<0.020	ND	ND	0.005	NA
Xylenes	ND<0.010	ND<0.020	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	92	112	92	91		
%SS2:	107	95	109	108		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

a3) sample diluted due to high organic content.

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/10/10

Oxygenates, MBTEX & Lead Scavengers by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1008250

					Reporting Limit for DF =1	
Lab ID	1008250-015B					
Client ID	GW-1					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND				NA	0.5
Benzene	ND				NA	0.5
t-Butyl alcohol (TBA)	15				NA	2.0
1,2-Dibromoethane (EDB)	ND				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND				NA	0.5
Diisopropyl ether (DIPE)	ND				NA	0.5
Ethanol	ND				NA	50
Ethylbenzene	ND				NA	0.5
Ethyl tert-butyl ether (ETBE)	ND				NA	0.5
Methyl-t-butyl ether (MTBE)	20				NA	0.5
Toluene	ND				NA	0.5
Xylenes	1.1				NA	0.5
Surrogate Recoveries (%)						
%SS1:	101					
%SS2:	98					
Comments	b1					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/10-08/11/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C/SW3550B Analytical methods: SW8015B Work Order: 1008250

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1008250-001A	P-1	S	6.0	1	120	e7,e4,e2
1008250-002A	P-2	S	12	1	119	e4,e2,e7
1008250-003A	P-3	S	11	1	119	e4,e2,e7
1008250-004A	P-4	S	730	2	105	e11/e8,e7
1008250-005A	P-5	S	30	1	117	e11/e8,e7
1008250-006A	P-6	S	9.4	1	104	e8,e7
1008250-007A	P-7	S	900	10	100	e1,e7
1008250-008A	P-8	S	150	1	111	e4,e2
1008250-009A	P-9	S	ND	1	112	
1008250-010A	P-10	S	1.5	1	112	e2
1008250-011A	P-11	S	290	1	115	e11/e8
1008250-012A	P-12	S	1100	20	118	e11/e8,e7
1008250-013A	P-13	S	610	1	116	e11/e8,e7
1008250-014A	P-14	S	420	20	106	e11/e8,e7
1008250-015A	GW-1	W	2500	1	80	e1,b1
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	µg/L		
		S	1.0	mg/Kg		

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?); and/or e8) kerosene/kerosene range/jet fuel range

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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/10-08/11/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C/SW3550B Analytical methods: SW8015B Work Order: 1008250

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1008250-016A	EX-6	S	18	1	91	e1
1008250-017A	EX-5	S	ND	1	80	
1008250-018A	EX-4	S	27	1	105	e4,e2
1008250-019A	EX-3	S	ND	1	88	
1008250-020A	EX-2	S	7.0	1	91	e4,e2
1008250-021A	EX-1	S	2.3	1	87	e4

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?); and/or e8) kerosene/kerosene range/jet fuel range

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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52359 WorkOrder 1008250

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1008187-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	72.3	75.3	4.09	83.6	84.5	1.09	70 - 130	30	70 - 130	30
Benzene	ND	0.050	98.7	102	3.04	108	109	0.344	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	82	83.4	1.71	77.8	85.6	9.61	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	92.8	98.6	6.08	103	111	6.94	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	98.8	102	3.58	123	127	3.40	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	94.7	98	3.49	107	109	1.75	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	91.3	94.9	3.88	103	106	2.31	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.5	99.8	4.37	112	116	3.47	70 - 130	30	70 - 130	30
Toluene	ND	0.050	112	113	0.752	118	123	4.43	70 - 130	30	70 - 130	30
%SS1:	108	0.13	96	95	1.71	120	122	1.46	70 - 130	30	70 - 130	30
%SS2:	103	0.13	108	101	6.43	115	118	2.70	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52359 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-001A	08/10/10 11:48 AM	08/10/10	08/11/10 12:46 PM	1008250-001A	08/10/10 11:48 AM	08/10/10	08/11/10 12:46 PM
1008250-002A	08/10/10 11:59 AM	08/10/10	08/10/10 10:13 PM	1008250-002A	08/10/10 11:59 AM	08/10/10	08/10/10 10:13 PM
1008250-003A	08/10/10 12:07 PM	08/10/10	08/10/10 10:56 PM	1008250-003A	08/10/10 12:07 PM	08/10/10	08/10/10 10:56 PM
1008250-004A	08/10/10 12:16 PM	08/10/10	08/11/10 12:24 AM	1008250-004A	08/10/10 12:16 PM	08/10/10	08/11/10 12:24 AM
1008250-005A	08/10/10 12:25 PM	08/10/10	08/11/10 2:36 AM	1008250-005A	08/10/10 12:25 PM	08/10/10	08/11/10 2:36 AM
1008250-006A	08/10/10 12:30 PM	08/10/10	08/11/10 3:19 AM	1008250-006A	08/10/10 12:30 PM	08/10/10	08/11/10 3:19 AM
1008250-007A	08/10/10 12:35 PM	08/10/10	08/11/10 4:01 AM	1008250-007A	08/10/10 12:35 PM	08/10/10	08/11/10 4:01 AM
1008250-008A	08/10/10 12:40 PM	08/10/10	08/11/10 1:30 PM	1008250-008A	08/10/10 12:40 PM	08/10/10	08/11/10 2:56 PM
1008250-009A	08/10/10 12:55 PM	08/10/10	08/11/10 5:26 AM	1008250-009A	08/10/10 12:55 PM	08/10/10	08/11/10 5:26 AM
1008250-010A	08/10/10 1:02 PM	08/10/10	08/11/10 6:10 AM	1008250-010A	08/10/10 1:02 PM	08/10/10	08/11/10 6:10 AM
1008250-011A	08/10/10 1:03 PM	08/10/10	08/11/10 11:30 AM	1008250-011A	08/10/10 1:03 PM	08/10/10	08/11/10 11:30 AM
1008250-012A	08/10/10 1:13 PM	08/10/10	08/11/10 12:12 PM	1008250-012A	08/10/10 1:13 PM	08/10/10	08/11/10 12:12 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery. The LCS and LCSD are spikes into a clean, known, similar matrix and they and the surrogate standards reflect the overall validity of their extraction batch. Our control limits are 70-130% recovery and a 30% RPD for the LCS-LCSD and for the Surrogate Standards.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52395 WorkOrder 1008250

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1008250-016A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	83.8	85.5	2.02	90.9	88.6	2.57	70 - 130	30	70 - 130	30
Benzene	ND	0.050	117	115	1.11	125	122	2.25	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	83.3	94.6	12.6	96.5	93	3.69	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	90.1	91.6	1.63	99.4	96.4	3.09	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	104	106	1.92	112	110	1.45	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	118	114	3.58	119	116	2.16	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	101	0	109	106	1.95	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	95.7	101	5.13	105	102	2.26	70 - 130	30	70 - 130	30
Toluene	ND	0.050	116	114	2.08	126	122	2.46	70 - 130	30	70 - 130	30
%SS1:	92	0.13	100	104	3.21	100	102	1.95	70 - 130	30	70 - 130	30
%SS2:	108	0.13	106	107	0.956	113	113	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52395 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-013A	08/10/10 1:15 PM	08/11/10	08/11/10 12:55 PM	1008250-013A	08/10/10 1:15 PM	08/11/10	08/11/10 12:55 PM
1008250-014A	08/10/10 1:21 PM	08/10/10	08/11/10 1:37 PM	1008250-014A	08/10/10 1:21 PM	08/10/10	08/11/10 1:37 PM
1008250-016A	08/10/10 11:31 AM	08/10/10	08/11/10 6:53 AM	1008250-016A	08/10/10 11:31 AM	08/10/10	08/11/10 6:53 AM
1008250-017A	08/10/10 11:28 AM	08/10/10	08/11/10 7:36 AM	1008250-017A	08/10/10 11:28 AM	08/10/10	08/11/10 7:36 AM
1008250-018A	08/10/10 11:24 AM	08/10/10	08/11/10 2:14 PM	1008250-018A	08/10/10 11:24 AM	08/10/10	08/11/10 2:14 PM
1008250-019A	08/10/10 11:21 AM	08/10/10	08/11/10 9:03 AM	1008250-019A	08/10/10 11:21 AM	08/10/10	08/11/10 2:19 PM
1008250-020A	08/10/10 11:17 AM	08/10/10	08/11/10 11:13 AM	1008250-020A	08/10/10 11:17 AM	08/10/10	08/11/10 11:13 AM
1008250-021A	08/10/10 11:11 AM	08/10/10	08/11/10 11:56 AM	1008250-021A	08/10/10 11:11 AM	08/10/10	08/11/10 11:56 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery. The LCS and LCSD are spikes into a clean, known, similar matrix and they and the surrogate standards reflect the overall validity of their extraction batch. Our control limits are 70-130% recovery and a 30% RPD for the LCS-LCSD and for the Surrogate Standards.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52376 WorkOrder 1008250

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1008227-007c**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	108	106	1.44	86	86.1	0.212	70 - 130	30	70 - 130	30
Benzene	1.7	10	117	108	6.61	91.2	90.9	0.309	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	104	114	9.19	72.6	70.6	2.83	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	111	115	3.44	91.7	90.4	1.44	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	120	119	0.556	90.3	89.2	1.21	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	127	123	3.28	96.3	97.7	1.42	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	118	116	1.11	95.9	95.2	0.663	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	116	119	2.43	106	104	2.56	70 - 130	30	70 - 130	30
Toluene	1.3	10	109	98.8	8.51	84.1	84.1	0	70 - 130	30	70 - 130	30
%SS1:	112	25	109	111	1.39	112	112	0	70 - 130	30	70 - 130	30
%SS2:	105	25	103	102	0.123	94	93	1.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52376 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-015B	08/10/10 1:30 PM	08/10/10	08/10/10 11:40 PM	1008250-015B	08/10/10 1:30 PM	08/10/10	08/10/10 11:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery. The LCS and LCSD are spikes into a clean, known, similar matrix and they and the surrogate standards reflect the overall validity of their extraction batch. Our control limits are 70-130% recovery and a 30% RPD for the LCS-LCSD and for the Surrogate Standards.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52311 WorkOrder 1008250

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1008132-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	1.8	40	119	120	0.146	118	116	1.66	70 - 130	30	70 - 130	30
%SS:	109	25	112	112	0	101	99	1.69	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52311 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-001A	08/10/10 11:48 AM	08/10/10	08/11/10 2:13 AM	1008250-002A	08/10/10 11:59 AM	08/10/10	08/11/10 3:20 AM
1008250-003A	08/10/10 12:07 PM	08/10/10	08/11/10 4:28 AM	1008250-004A	08/10/10 12:16 PM	08/10/10	08/11/10 6:42 AM
1008250-005A	08/10/10 12:25 PM	08/10/10	08/11/10 5:35 AM	1008250-006A	08/10/10 12:30 PM	08/10/10	08/11/10 9:06 AM
1008250-007A	08/10/10 12:35 PM	08/10/10	08/11/10 9:07 AM	1008250-008A	08/10/10 12:40 PM	08/10/10	08/11/10 5:35 AM
1008250-009A	08/10/10 12:55 PM	08/10/10	08/11/10 9:06 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52394 WorkOrder 1008250

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1008250-024A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	15	40	123	126	1.74	116	116	0	70 - 130	30	70 - 130	30
%SS:	93	25	80	91	12.6	101	101	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52394 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-010A	08/10/10 1:02 PM	08/10/10	08/11/10 10:14 AM	1008250-011A	08/10/10 1:03 PM	08/10/10	08/11/10 1:05 AM
1008250-012A	08/10/10 1:13 PM	08/10/10	08/11/10 7:50 AM	1008250-013A	08/10/10 1:15 PM	08/10/10	08/11/10 6:42 AM
1008250-014A	08/10/10 1:21 PM	08/10/10	08/11/10 1:05 AM	1008250-016A	08/10/10 11:31 AM	08/10/10	08/11/10 4:28 AM
1008250-017A	08/10/10 11:28 AM	08/10/10	08/11/10 4:44 AM	1008250-018A	08/10/10 11:24 AM	08/10/10	08/10/10 8:55 PM
1008250-019A	08/10/10 11:21 AM	08/10/10	08/10/10 10:02 PM	1008250-020A	08/10/10 11:17 AM	08/10/10	08/10/10 11:10 PM
1008250-021A	08/10/10 11:11 AM	08/10/10	08/11/10 12:17 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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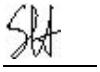
QA/QC Officer

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52273 WorkOrder 1008250

EPA Method SW8015B **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	108	107	0.942	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	93	94	1.07	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52273 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-015A	08/10/10 1:30 PM	08/10/10	08/11/10 3:37 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
5900 Hollis St, Suite A		Date Received: 08/10/10
	Client Contact: Dan Glaze	Date Reported: 08/11/10
Emeryville, CA 94608	Client P.O.:	Date Completed: 08/11/10

WorkOrder: 1008250 A

August 11, 2010

Dear Dan:

Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#311973; 9-0121; 3026 Lakeshore Ave, Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Dan Glaze **Bill To:** Conestoga-Rovers & Associates

Company: Conestoga-Rovers & Associates

5900 Hollis St, Ste A

Emeryville, CA **E-Mail:** dglaze@CRAworld.com

Tele: (510) 420-0700 **Fax:** (510) 420-9170

Project #: 311973 **Project Name:** 9-0121

Project Location: 3026 Lakeshore Ave, Oakland, CA

Sampler Signature: [signature]

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other
SS-3		8/10	12:41	4			X				X			
SS-2		8/10	12:32	4			X				X			
SS-1		8/10	12:24	4			X				X			
~~Ex-6~~	~~9 ft~~	~~8/10~~	~~11:31~~	~~1~~			~~X~~				~~X~~			
~~Ex-5~~	~~9 ft~~	~~8/10~~	~~11:28~~	~~1~~			~~X~~				~~X~~			
~~Ex-4~~	~~9 ft~~	~~8/10~~	~~11:24~~	~~1~~			~~X~~				~~X~~			
~~Ex-3~~	~~9 ft~~	~~8/10~~	~~11:21~~	~~1~~			~~X~~				~~X~~			
~~Ex-2~~	~~9 ft~~	~~8/10~~	~~11:17~~	~~1~~			~~X~~				~~X~~			
~~Ex-1~~	~~9 ft~~	~~8/10~~	~~11:11~~	~~1~~			~~X~~				~~X~~			

Analysis Request

BTEX & ~~TPH as Gas (602 / 8021 + 8015 with GC)~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 (6020))	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X													X		
X													X		
X													X		

Other

Filter sample for DISSOLVED metals analysis	TPHg and TPHd by 8015	Run STLC as needed
	X	X
	X	X
	X	X

Comments

**Indicate here if these samples are potentially dangerous to handle:

**MAI client: MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
[signature]	8/10	1683	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t*_____ COMMENTS:
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1008250 A **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Dan Glaze
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX (510) 420-9170

Email: dglaze@CRAworld.com
cc:
PO:
ProjectNo: #311973; 9-0121; 3026 Lakeshore Ave, Oakland

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: **08/10/2010**
Date Add-On: **08/11/2010**
Date Printed: **08/11/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1008250-022	SS-3	Soil	8/10/2010 12:41	☐	A	A	A									
1008250-023	SS-2	Soil	8/10/2010 12:32	☐	A	A	A									
1008250-024	SS-1	Soil	8/10/2010 12:24	☐	A	A	A									

Test Legend:

1	CAM17MS_S	2	G-MBTEX_S	3	TPH(D)_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: 24hr rush. "SS" samples were separated from other samples and moved to "WO#1008250 A" per client request 08/11/10.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/11/10

CAM / CCR 17 Metals*

Lab ID	1008250-022A	1008250-023A	1008250-024A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	SS-3	SS-2	SS-1			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: SW6020 Extraction Method: SW3050B Work Order: 1008250

Dilution Factor	1	1	1		1	1
Antimony	0.86	ND	0.74		0.5	NA
Arsenic	4.2	2.7	3.5		0.5	NA
Barium	2500	78	150		5.0	NA
Beryllium	ND	ND	ND		0.5	NA
Cadmium	0.34	ND	ND		0.25	NA
Chromium	45	42	38		0.5	NA
Cobalt	11	7.2	8.3		0.5	NA
Copper	23	17	17		0.5	NA
Lead	23	6.0	27		0.5	NA
Mercury	ND	ND	ND		0.05	NA
Molybdenum	ND	ND	ND		0.5	NA
Nickel	68	41	39		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	58	22	41		0.5	NA
Zinc	140	67	110		5.0	NA
%SS:	110	110	127			

Comments					

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.
%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 08/11/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1008250

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
022A	SS-3	S	8.3	---	ND	0.023	ND	0.014	1	96	d7,d9
023A	SS-2	S	ND	---	ND	ND	ND	ND	1	110	
024A	SS-1	S	6.1	---	ND	ND	ND	0.047	1	106	d7,d9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #311973; 9-0121; 3026 Lakeshore Ave, Oakland	Date Sampled: 08/10/10
		Date Received: 08/10/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 08/10/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 08/10/10-08/11/10

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3550B Analytical methods: SW8015B Work Order: 1008250

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1008250-022A	SS-3	S	29	1	93	e7,e2
1008250-023A	SS-2	S	28	1	101	e1
1008250-024A	SS-1	S	15	1	93	e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

e1) unmodified or weakly modified diesel is significant
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 1008250

EPA Method SW6020	Extraction SW3050B					BatchID: 52393				Spiked Sample ID: 1008250-024A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.74	50	97	97.5	0.507	10	106	103	3.26	75 - 125	20	75 - 125	20
Arsenic	3.5	50	97.3	96.4	0.886	10	117	108	8.09	75 - 125	20	75 - 125	20
Barium	150	500	95.8	97.3	1.21	100	104	99.6	3.99	75 - 125	20	75 - 125	20
Beryllium	ND	50	95.3	95	0.334	10	106	102	3.75	75 - 125	20	75 - 125	20
Cadmium	ND	50	97.8	98.6	0.811	10	109	105	3.47	75 - 125	20	75 - 125	20
Chromium	38	50	76.4	83.8	4.72	10	113	107	5.93	75 - 125	20	75 - 125	20
Cobalt	8.3	50	92	92.5	0.422	10	106	102	3.94	75 - 125	20	75 - 125	20
Copper	17	50	110	111	0.530	10	117	108	7.37	75 - 125	20	75 - 125	20
Lead	27	50	88.3	89.4	0.798	10	107	103	3.80	75 - 125	20	75 - 125	20
Mercury	ND	1.25	98.1	99.2	1.01	0.25	105	102	2.50	75 - 125	20	75 - 125	20
Molybdenum	ND	50	96.4	97.3	0.922	10	105	101	4.28	75 - 125	20	75 - 125	20
Nickel	39	50	83.5	84.1	0.397	10	116	107	7.92	75 - 125	20	75 - 125	20
Selenium	ND	50	102	99.8	1.72	10	103	110	15.6	75 - 125	20	75 - 125	20
Silver	ND	50	96.7	97.2	0.495	10	105	102	2.71	75 - 125	20	75 - 125	20
Thallium	ND	50	96.2	97.1	0.973	10	109	106	3.26	75 - 125	20	75 - 125	20
Vanadium	41	50	77.9	78	0.0626	10	112	104	7.40	75 - 125	20	75 - 125	20
Zinc	110	500	94	94.5	0.448	100	121	112	7.92	75 - 125	20	75 - 125	20
%SS:	127	250	105	107	1.77	250	115	111	4.21	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52393 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-022A	08/10/10 12:41 PM	08/10/10	08/11/10 2:57 PM	1008250-022A	08/10/10 12:41 PM	08/10/10	08/11/10 3:50 PM
1008250-023A	08/10/10 12:32 PM	08/10/10	08/11/10 3:06 PM	1008250-024A	08/10/10 12:24 PM	08/10/10	08/11/10 4:32 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52335 WorkOrder 1008250

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1008157-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	101	115	12.3	107	97.3	9.36	70 - 130	20	70 - 130	20
MTBE	ND	0.10	116	110	5.29	104	97.4	7.00	70 - 130	20	70 - 130	20
Benzene	ND	0.10	102	96.8	5.19	93	99.2	6.46	70 - 130	20	70 - 130	20
Toluene	ND	0.10	100	96.1	4.23	92.4	96.9	4.77	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	100	96.6	3.82	92.7	97	4.54	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	99.4	95.7	3.80	91.3	95.6	4.66	70 - 130	20	70 - 130	20
%SS:	77	0.10	85	82	3.47	81	85	5.21	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52335 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-022A	08/10/10 12:41 PM	08/10/10	08/11/10 9:41 AM	1008250-023A	08/10/10 12:32 PM	08/10/10	08/11/10 9:13 AM
1008250-024A	08/10/10 12:24 PM	08/10/10	08/11/10 9:42 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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SW QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52394 WorkOrder 1008250

EPA Method SW8015B **Extraction SW3550B** **Spiked Sample ID: 1008250-024A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	15	40	123	126	1.74	116	116	0	70 - 130	30	70 - 130	30
%SS:	93	25	80	91	12.6	101	101	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52394 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1008250-022A	08/10/10 12:41 PM	08/10/10	08/10/10 10:40 PM	1008250-023A	08/10/10 12:32 PM	08/10/10	08/10/10 9:32 PM
1008250-024A	08/10/10 12:24 PM	08/10/10	08/11/10 4:20 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer