Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0917
5280 Hopyard Road
Pleasanton, CA

I have reviewed the attached report dated April 22, 2010.

I agree with the conclusions and recommendations presented in the referenced report. This information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga Rovers Associates, upon who assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Aaron Costa
Project Manager

Attachment: Report

SITE ASSESSMENT AND EXCAVATION REPORT

CHEVRON STATION 9-0917
5280 HOPYARD ROAD
PLEASANTON, CALIFORNIA
Fuel Leak Case No. RO0439

Prepared For:

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

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

APRIL 22, 2010
REF. NO. 060057 (14)
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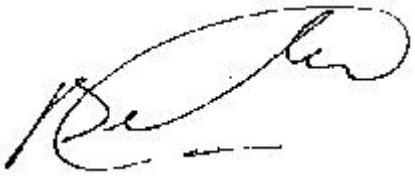
SITE ASSESSMENT AND EXCAVATION REPORT

CHEVRON STATION 9-0917
5280 HOPYARD ROAD
PLEASANTON, CALIFORNIA
Fuel Leak Case No. RO0439



Belew Yifru

Brandon S. Wilken PG #7564

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
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1.0 INTRODUCTION

1.1 GENERAL

Conestoga-Rovers & Associates (CRA) is submitting this *Site Assessment and Excavation Report* on behalf of Chevron Environmental Management Company (Chevron) for the Chevron service station located at 5280 Hopyard Road, Pleasanton, California. CRA performed this work according to the December 16, 2009 *Work Plan for Soil Excavation and Well Destructions* as approved by Alameda County Environmental Health (ACEH) in a letter dated December 21, 2009 (Appendix A). CRA completed an assessment of soil, groundwater and soil vapor in the planned station building expansion footprint; destroyed extraction well IW-1 and vapor probe VP1, and excavated beneath the station building expansion footprint. ACEH requested that a vapor probe be installed to replace VP1 and document that scope of work in this report. However, due to delays in the building expansion construction, ACEH has approved an extension for reporting vapor probe installation and sampling until June 15, 2010. Sub-slab vapor probes SSVP-1 and SSVP-2 were destroyed during station building remodeling. CRA will replace both probes in approximately the same locations, sample the sub-slab probes, collect ambient indoor and outdoor samples, and report the data along with the resampled vapor probe data. The site background, description of the assessment and excavation, and our conclusion and recommendations are presented below.

1.2 BACKGROUND

The site is an active Chevron station located at the southern corner at the intersection of Hopyard Road and Owens Drive in Pleasanton, California (Figure 1). Site facilities include a station building, car wash, four underground storage tanks (USTs) and three dispenser islands under a common canopy (Figure 2). A Shell-branded service station is located across Hopyard Road to the east of the site and has an open case with ACEH. Land use surrounding the site is primarily commercial.

A total of 5 soil borings have been advanced and 9 monitoring wells, 1 extraction well, 4 soil vapor probes, and 2 sub-slab vapor probes have been installed at the site. To date 3 monitoring wells, 1 extraction well, 1 vapor probe, and 2 sub-slab vapor probes have been destroyed. Remedial activities have consisted of 2 remedial excavations, 1 enhanced biodegradation event, and 1 batch groundwater extraction event. A summary of environmental investigations conducted to date is presented in Appendix B.

1.3 SITE GEOLOGY/HYDROGEOLOGY

The site is located in the Dublin Sub Basin (DSB) of the Livermore Valley Groundwater Basin. Soils in this sub basin consist mainly of Holocene age valley fill deposits with a surficial clay layer cap up to 40 feet thick. Alluvial fan and stream deposits consisting of unconsolidated sand, gravel, silt and clay have been encountered below the clay cap in this sub basin.

The upper unconfined groundwater in the DSB generally flows southward. Aquifers in the DSB are generally flat lying, but there is a drop in groundwater elevation of approximately 50 feet across the Parks Fault[1]. The Parks Fault trends east northeast approximately 1 mile south of the site.

Sediments observed beneath the site consist of interbedded clay, silty clay, clayey silt, sandy silt and silt to the maximum explored depth of 60 feet below grade (fbg). Groundwater depth ranges between approximately 5 and 10 fbg. The groundwater flow direction is variable, but primarily flows toward the south at a gradient of 0.004 to 0.009. A rose diagram showing flow directions is presented on Figure 2.

2.0 SITE ASSESSMENT

To further assess soil, groundwater, and soil vapor in the planned station building expansion footprint CRA advanced soil borings SB6 through SB9 using direct-push technology (Figure 2). Soil samples were collected from SB6, SB7 and SB8. Numerous underground obstructions prevented the advancement of SB9 deeper than 6 fbg. Grab-groundwater samples were collected from SB6 and SB7. No groundwater was observed in SB8. Soil vapor samples were collected from SB6, SB8, and SB9. No soil vapor sample was collected from SB7 due to anomalous shallow groundwater at 3 fbg. Details of the investigation are presented below.

Project Personnel

CRA personnel Ian Hull and Belew Yifru oversaw the work under the supervision of California Professional Geologist Brandon S. Wilken (P.G. #7564).

Drill Dates

The borings were advanced on October 28 and 29, 2009.

[1] Evaluation of Groundwater Resources: Livermore and Sunol Valleys, Department of the Water Resources Bulletin Number 118 2, June 1974

Permits

CRA obtained a Zone 7 Water Agency drill permit for the borings (Appendix C).

Drilling Company

Vapor Tech Services of Berkeley, California (C57 #916085) advanced the borings and installed the temporary soil vapor probes.

Subsurface Clearance

CRA contacted Underground Service Alert (USA) to mark utilities. CRA used a private utility locator to verify USA markings and identify any additional utilities. A licensed geophysicist was hired to perform a ground penetrating radar (GPR) survey to locate any buried structures, former excavation pits, and underground utilities. All borings were cleared to approximately 3 fbg with a hand auger so as not to disturb the subsurface prior to soil gas sampling.

Soil Borings

Vapor Tech Services advanced direct-push soil borings SB6 through SB9. Borings SB6 through SB8 were advanced to a depth of 24 fbg. Abundant subsurface debris prevented advancement of SB9 beyond 6 fbg; therefore, no soil or groundwater samples were collected from this location. After sampling, the drive rods were used to tremie grout the boring with Portland Type II/V neat cement to grade. The surface was patched to match the existing surface. Boring logs are presented in Appendix D. Standard field procedures for soil borings are presented in Appendix E.

Temporary Soil Vapor Probe Installation

Vapor probes were temporarily installed in SB6, SB8, and SB9 at 6 fbg to collect soil vapor samples. A rod with a drive point attached to Teflon® tubing was pushed into undisturbed soil between 3 and 6 fbg. A hydrated bentonite seal was placed between grade and 3 fbg to avoid potential ambient air leakage from the surface. After reaching the required depth, the sampling point was allowed to equilibrate for at least 30 minutes prior to sampling. After vapor sampling the tubing was removed, the boring was grouted with Portland Type II/V neat cement, and the surface was patched to match the existing surface. No soil vapor sample was collected from SB7 due to anomalous shallow groundwater at 3 fbg.

Soil Vapor Sample Collection and Handling

Samples from temporary vapor probes SB6, SB8, and SB9 were collected using flow meters set at 167 milliliters/minute and one-liter Summa™ canisters connected directly to the tubing at each vapor probe. A closed circuit sampling train was created by

attaching the sample Summa™ canister in series with the purge Summa™ canister via a steam-cleaned stainless-steel manifold.

A "shut-in" test was performed prior to connecting the sampling equipment to the vapor probe tubing. This test was performed by sealing all openings to ambient air, opening the purge Summa™ canister to establish a vacuum inside the sampling train and waiting to ensure the vacuum remained stable over time. The shut-in test reduces the potential for ambient air to bias the soil vapor samples.

After the sampling train passed the "shut in" test, it was connected to the probe tubing and approximately 0.01 liters of stagnant air in the tubing was purged, approximately three tubing volumes, so the sample was representative of actual soil gas concentrations. After purging, the sample Summa™ canister valve was opened. The vacuum of the Summa™ canister was used to draw soil vapor through the flow controller and into the sample canister until a negative pressure of approximately five-inches of mercury was observed on the vacuum gauge. A field duplicate was taken concurrently with the sample for SB8. After sampling, the Summa™ canisters were packaged and sent to Air Toxics' laboratory under chain-of-custody for analysis.

In accordance with the Department of Toxic Substance Control (DTSC) *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, leak testing was performed during sampling. Laboratory-grade helium was used for leak detection to determine if ambient air was entering the Summa™ canisters during sampling. A shroud was used to surround the vapor sampling equipment and the connection between the sampling equipment and the vapor probe tubing. A helium detector was also placed inside the shroud to quantify helium concentrations inside the shroud. An atmosphere of at least 80 percent helium was created and maintained for the duration of vapor sampling. Standard field procedures for soil vapor sampling are presented in Appendix E.

Soil and Groundwater Sample Collection and Handling

Once the vapor samples were collected and the borings were hand cleared to 8 fbg, the soil borings were advanced using hydraulic push rods lined with 4-foot acetate liners into undisturbed sediments. Soil samples were collected at 3-foot intervals from SB6 through SB8, logged using the ASTM D 2488 Unified Soil Classification System, field-screened using a photo-ionization detector, and covered with Teflon tape, and capped with plastic caps. Grab-groundwater samples were collected from SB6 and SB7 with disposable bailers and decanted into laboratory provided sampling containers. Soil and grab-groundwater samples were labeled, logged on a chain of custody, placed in a

cooler, preserved on ice, and sent to Lancaster Laboratories of Pennsylvania, a Chevron and State of California approved laboratory for chemical analyses.

Chemical Analysis

Soil and grab-groundwater samples were analyzed for the following:

- Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015 modified
- Benzene, toluene, ethylbenzene and xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by EPA Method 8260B

Soil gas samples were analyzed for the following:

- TPHg, BTEX, MTBE and naphthalene by EPA Modified Method TO-15
- O_2, CO_2, CH_4 and helium by ASTM D-1946 (GC/TCD)

Cumulative soil analytical results are summarized in Table 1, cumulative grab-groundwater analytical results are summarized in Table 2, and cumulative soil vapor analytical results are summarized in Table 3. Laboratory analytical reports for soil and grab-groundwater are presented in Appendix F and for soil vapor in Appendix G.

Waste Disposal

Soil cuttings generated during this investigation were placed in drums and labeled appropriately. This waste was transported to a state- and Chevron-approved landfill for disposal.

3.0 WELL DESTRUCTIONS

Project Personnel

CRA personnel Ian Hull and Belew Yifru oversaw the work under the supervision of California Professional Geologist Brandon S. Wilken (P.G. #7564).

Drill Dates

Extraction well IW-1 was destroyed on January 28, 2010 and vapor well VP1 was destroyed on February 23, 2010.

Permits

CRA obtained Zone 7 Water Agency well destruction permits.

Drilling Company

Woodward Drilling of Rio Vista, California (C57 #710079) destroyed well IW-1 by over-drilling with hollow stem augers and removing the casing and annulus material. The borehole was then tremie grouted to grade with Portland Type I/II cement.

Vapor probe VP1 was completely removed during excavation. The excavation was backfilled with clean fill material and compacted. Woodward Drilling supervised the removal of the vapor probe.

4.0 EXCAVATION

From February 22 to February 26, 2010, CRA observed Wendt & Son's Construction Incorporated of Lodi, California (Wendt) perform all excavation preparation and implementation activities including utility identification and clearance, temporary rerouting of onsite storm and sanitary sewer utilities, excavation, destruction of vapor well VP1 by overexcavation, reinstallation of utilities, and backfill and compaction of soils beneath the building expansion. CRA observed Wendt excavate approximately 182-tons of soil from beneath the building extension footprint, including an additional 5 lateral feet towards the north and east. The excavation was completed to depths ranging from 6 to 7 fbg. No additional soil was removed below the observed standing groundwater. The excavation extents are shown on Figure 3.

Personnel

CRA personnel Dan Glaze, Ian Hull, Jeff Schrupp, and Belew Yifru oversaw the work under the supervision of California Professional Geologist Brandon S. Wilken (P.G. #7564). Wendt was the project general contractor, Woodward oversaw the destruction of vapor probe VP1, Integrated Wastestream Management (IWM) of San Jose, California hauled all derived wastes under proper manifest, and Korbmacher Engineering Incorporated of Livermore, California, confirmed appropriate compaction of the clean imported backfill soil.

Excavation and Sampling

The completed excavation extended approximately 27.5 feet by 22 feet. Limited hydrocarbon-bearing soil was encountered and excavated near the northwest corner of the excavation and from around the former dispenser island location down to groundwater. A total of 36.58 tons of hydrocarbon-bearing soil was segregated from 145.25 tons of non-hydrocarbon-bearing soil, stockpiled, and underlain and covered with plastic while waiting for the pending laboratory analysis to profile the soil for proper disposal. CRA collected soil confirmation samples EX-1 through EX-4 from each

corner of the excavation. These samples were collected at depths ranging from 5.5 to 6.5 fbg, above observed groundwater. Soil samples were collected, labeled, logged on a chain-of-custody, placed on ice, and sent to Lancaster Laboratories of Pennsylvania, a Chevron and State of California-approved laboratory for chemical analyses. Sampling locations and excavation extents are shown on Figure 3.

Waste Sampling

Prior to excavation, soil was profiled for disposal using a composite sample collected during the October 2009 investigation event, as documented previously in this report. On February 22, 2010, CRA observed hydrocarbon-bearing soil near the northwest limits of the excavation and collected a four point composite soil sample Waste-S-100222 for soil profiling analysis. The waste sample was properly collected in stainless steel or brass sleeves, capped and sealed, labeled, stored on ice, logged on a laboratory supplied chain-of-custody and transported to McCampbell Analytical Laboratories of Pittsburg, California.

Chemical Analysis

Confirmation soil samples collected during this investigation were analyzed for the following constituents:

- Total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up and TPHg by EPA Method 8015M
- BTEX, MTBE, di-isopropyl ether, ethyl tertiary butyl ether, t-amyl methyl ether, and tertiary-butyl alcohol by EPA Method 8260B

Waste profiling samples were analyzed for the following constituents:

- TPHd with silica gel clean-up and TPHg by EPA Method 8015M
- BTEX and MTBE by EPA Method 8260B
- Total Lead by EPA Method 6010B

Cumulative soil analytical results are summarized in Table 1. Laboratory analytical reports for confirmation samples are presented in Appendix H and for waste profiling in Appendix I.

Waste Disposal

IWM transported 145.25 tons of non-hydrocarbon-bearing soil to Republic Service Vasco Road Landfill in Livermore, California. IWM transported 36.58 tons of hydrocarbon-bearing soil to Forward Landfill in Manteca, California. Approximately 2,500 gallons of groundwater and accumulated rain water were pumped from the excavation and transported under manifest by IWM to the Waste Management's Kettleman Hills Facility in Kettleman Hills, California. The groundwater was transported and profiled for disposal using quarterly monitoring data. Soil waste disposal summaries are included in Appendix J. The waste soil and groundwater

manifests are not available at the present time and will follow under separate cover upon request.

5.0 HYDROCARBON DISTRIBUTION

5.1 HYDROCARBON DISTRIBUTION IN SOIL

During the October 2009 investigation, hydrocarbons were detected in soil borings SB6, SB7, and SB8 with the highest concentrations located within the water table between 15 and 19 fbg. The highest hydrocarbon detections were 730 milligrams per kilogram (mg/kg) TPHg and 3.4 mg/kg benzene in SB7 at 18 fbg.

During the February 2010 excavation, confirmation soil samples EX-1 through EX-4 contained:

- TPHg concentrations between 1.2 and 19 mg/kg
- Benzene detections between 0.006 and 0.56 mg/kg
- MTBE in one sample (0.004 mg/kg in EX-3 at 5.5 fbg)

Residual hydrocarbons are located in the former UST pit and former eastern dispenser island. These locations are currently the active dispenser islands, and the convenience store expansion and parking area. Hydrocarbons in soil are delineated by borings MW-4 through MW-9, GP-2 through GP-5, and Shell borings S-6 and S-7.

CRA did not compare soil concentrations to the environmental screening levels (ESLs) for leaching concerns since the large majority of data points are located below the water table and this pathway should be monitored by groundwater analytical data. CRA compared the analytical data to the ESLs[2] for direct exposure to soil in residential, commercial/industrial, and construction/trench worker scenarios in Table 1. No construction/trench worker direct exposure ESLs are exceeded. Only soil samples located between grade and 10 fbg are considered when comparing soil data to the residential and commercial/industrial direct exposure ESL pathways. The site is an active service station, located in a commercial area, and covered with pavement; therefore, the residential direct exposure pathway is not appropriate. Only 6 out of 84 data points exceed the commercial/industrial direct exposure ESLs, and are located above 10 fbg. Because the site is paved, it is unlikely that any site workers would come in contact with residual hydrocarbons; therefore, the commercial/industrial direct exposure pathway is not complete.

[2] ESLs for direct exposure to soil in residential, commercial/industrial, and construction/trench worker scenarios, Tables K-1, K-2, and K-3

5.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

During the October 2009 investigation, the maximum TPHg concentration in grab-groundwater was 1,400 micrograms per liter (µg/L) from SB7. The maximum benzene concentration was 33 µg/L from SB6. No MTBE was detected.

Dissolved hydrocarbons are delineated by wells MW-4, MW-7, MW-8, and MW-9, Shell wells S-6 and S-7, and grab-groundwater samples collected in 2006 from borings GP-3 through GP-5. Hydrocarbon concentrations in source area well MW-5 continue to naturally attenuate from historical high concentrations.

5.3 HYDROCARBON DISTRIBUTION IN SOIL VAPOR

During the October 2009 investigation, the highest hydrocarbon concentrations in soil vapor were detected in SB8, which contained 130,000,000 micrograms per meter cubed (µg/m^3) TPHg and 23,000 µg/m^3 benzene. Naphthalene was only detected in SB9 at 420 µg/m^3. No hydrocarbons were detected in soil vapor from SB6.

TPHg and benzene soil vapor concentrations in SB8, and TPHg and naphthalene soil vapor concentrations in SB9 exceed environmental ESLs[3]. All other analytes were below ESLs. Based on the distribution of hydrocarbon concentrations in soil vapor in the vicinity of the convenience store expansion, the source of hydrocarbons that exceed soil vapor ESLs is north and east of boring SB6.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the site assessment and remedial excavation, we make the following conclusions:

- Residual hydrocarbons are located in the former UST pit and former eastern dispenser island.
- The extent of hydrocarbons in soil is vertically and horizontally delineated.
- Direct exposure to residual hydrocarbons is not a complete pathway.
- The extent of hydrocarbons in groundwater is delineated.

[3] ESLs for soil gas (Vapor Intrusion concerns) for commercial/industrial land use from the 2007 *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table E

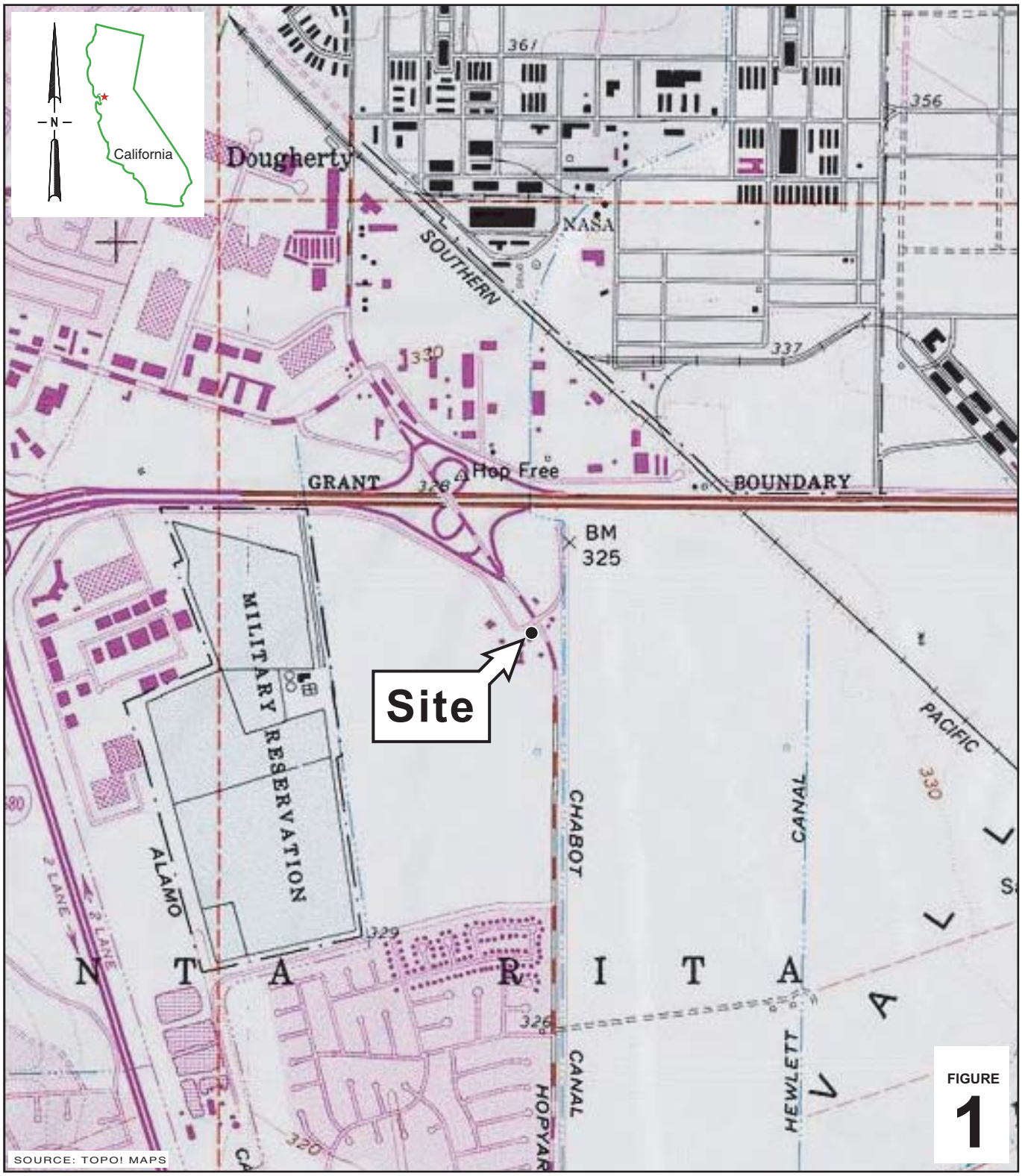
- Hydrocarbon concentrations in source area well MW-5 are attenuating.
- Based on the distribution of hydrocarbon vapor in the vicinity of the convenience store expansion, the source of hydrocarbons that exceed vapor ESLs is north and east of boring SB6.
- Limited elevated hydrocarbon concentrations in soil and soil vapor beneath the convenience store expansion were removed by the remedial excavation.

CRA makes the following recommendations:

- A replacement vapor probe for VP1 will be installed in native soil in the vicinity of the convenience store expansion once station construction is completed.
- Sub-slab vapor probes SSVP-1 and SSVP-2 were unknowingly destroyed during the station building expansion and will be reinstalled.
- We propose one additional sub-slab vapor probe beneath the new convenience store expansion.
- The new probes will be installed as previously proposed in the October 24, 2008, *Work Plan for Soil Vapor Survey* and the June 29, 2009, *Soil Vapor Sampling Report and Work Plan for Sub-Slab Vapor Probes*.
- The new probes will be installed, sampled, and documented in a report to be submitted to ACEH by June 15, 2010.

FIGURES

10/23/08



I:\Chevron\0600-\060057 9-0917 Pleasanton\060057-FIGURES\060057 VICINITY-MAP.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chevron Service Station 9-0917
5280 Hopyard Road
Pleasanton, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

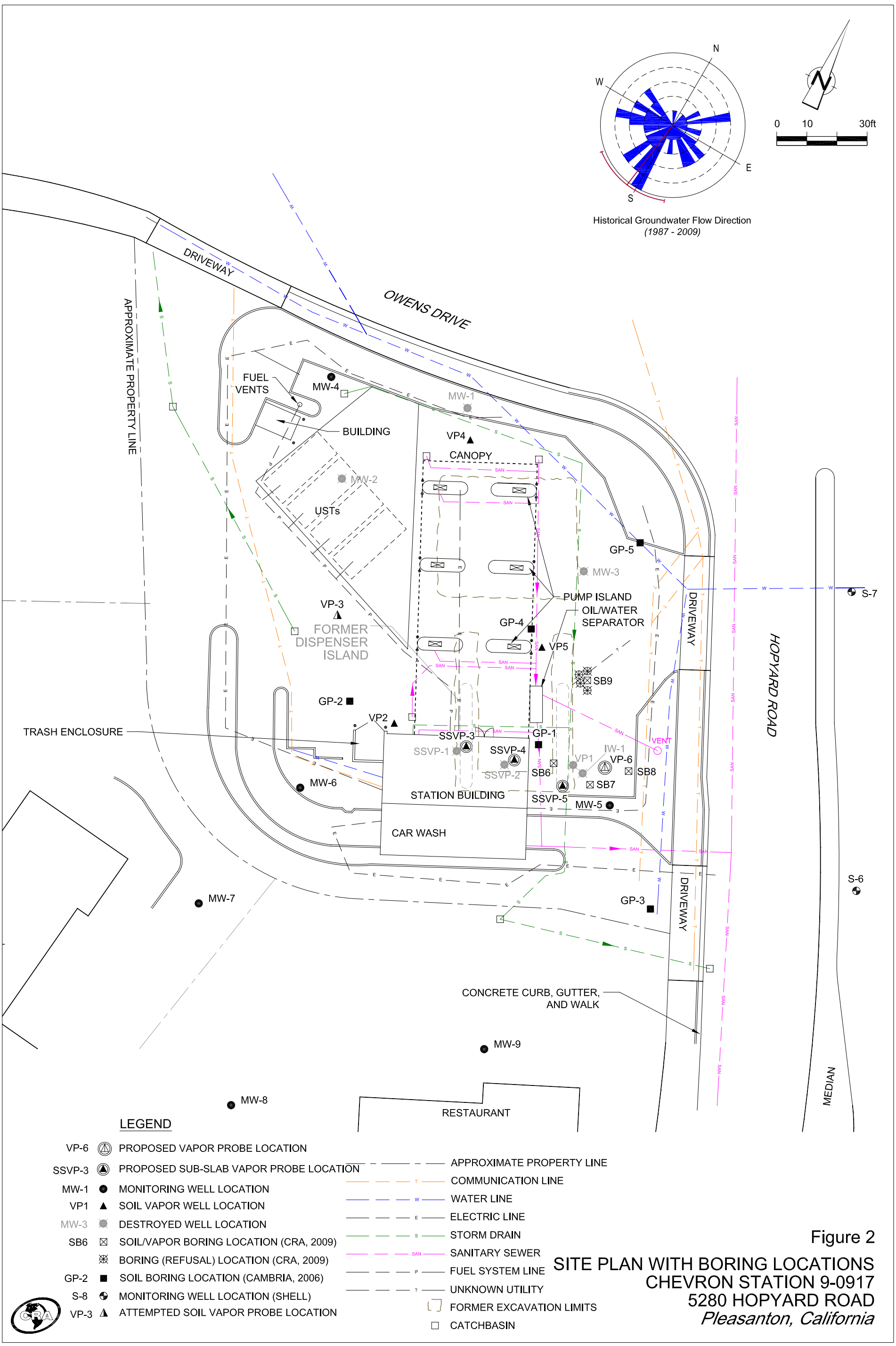


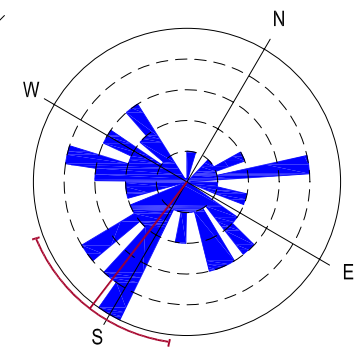
Figure 2

SITE PLAN WITH BORING LOCATIONS
CHEVRON STATION 9-0917
5280 HOPYARD ROAD
Pleasanton, California

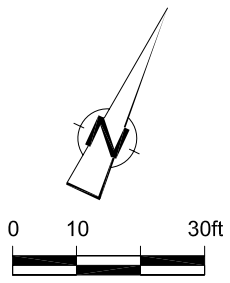
060057-2010(014)GN-DE001 APR 20/2010

CONFIRMATION SAMPLE LABORATORY RESULTS

SAMPLE ID	DEPTH (FBG)	DATE	CONCENTRATION REPORTED IN MILLIGRAMS PER KILOGRAM										
			TPHD	TPHG	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	MTBE	DIPE	TAME	TBA	ETBE
EX-1	6.5'	2/24/10	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.022	<0.001
EX-2	5.5'	2/24/10	<4.0	4.2	0.007	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.021	<0.001
EX-3	5.5'	2/24/10	<4.0	4.5	0.006	<0.001	0.001	0.002	0.004	<0.001	<0.001	<0.021	<0.001
EX-4	6.0'	2/24/10	<4.0	19	**0.56**	0.005	0.099	0.11	<0.0005	<0.001	<0.001	<0.020	<0.001



Historical Groundwater Flow Direction
(1987 - 2009)



DRIVEWAY
OWENS DRIVE
APPROXIMATE PROPERTY LINE
FUEL VENTS
MW-4
MW-1
BUILDING
VP4
CANOPY
MW-2
USTs
GP-5
MW-3
PUMP ISLAND
OIL/WATER SEPARATOR
VP-3
GP-4
VP5
DRIVEWAY
HOPYARD ROAD
S-7
SB9
BUILDING ADDITION
GP-2
VP2
EX-4
EX-3
TRASH ENCLOSURE
SSVP-3
GP-1
SSVP-1
SSVP-4
VP1
IW-1
VP-6
STATION BUILDING
SSVP-2
SB6
SB8
SB7
MW-6
SSVP-5
MW-5
EXCAVATION EXTENTS
CAR WASH
EX-1
EX-2
MW-7
GP-3
DRIVEWAY
S-6
CONCRETE CURB, GUTTER, AND WALK
MW-9
MEDIAN
MW-8
RESTAURANT

LEGEND

VP-6 PROPOSED VAPOR PROBE LOCATION
SSVP-3 PROPOSED SUB-SLAB PROBE LOCATION
MW-1 MONITORING WELL LOCATION
VP1 SOIL VAPOR WELL LOCATION
MW-3 DESTROYED WELL LOCATION
IW-1 REMEDIATION WELL LOCATION
SB6 SOIL/VAPOR BORING LOCATION (CRA, 2009)
BORING (REFUSAL) LOCATION (CRA, 2009)
GP-2 SOIL BORING LOCATION (CAMBRIA, 2006)
S-8 MONITORING WELL LOCATION (SHELL)
EX-1 EXCAVATION SAMPLE LOCATIONS
VP-3 ATTEMPTED SOIL VAPOR PROBE LOCATION

APPROXIMATE PROPERTY LINE
EXCAVATION EXTENT
BUILDING EXTENSION FOOTPRINT

Figure 3

SITE PLAN WITH EXCAVATION EXTENTS
CHEVRON STATION 9-0917
5280 HOPYARD ROAD
Pleasanton, California

060057-2010(014)GN-DE002 APR 20/2010

TABLES

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION #9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	EPA 8010 Compounds	As	Ba	Cd	Cr(VI)	Pb	Hg	Se	Ag
			Concentrations reported in milligrams per kilogram (mg/kg) unless otherwise noted																				
ESLs - Residential Direct Exposure [1]			*370*	*110*	*110*	*0.12*	*63*	*2.3*	*31*	*30*	*NE*	*NE*	*320,000*	*NE*	*--*	*0.39*	*300*	*1.7*	*9.4*	*260*	*1.3*	*78*	*78*
ESLs - Commercial Direct Exposure [2]			*3,700*	*450*	*450*	*0.27*	*210*	*5*	*100*	*65*	*NE*	*NE*	*320,000*	*NE*	*--*	*1.6*	*2,600*	*7.4*	*36*	*750*	*18*	*1,000*	*1,000*
ESLs - Construction Direct Exposure [3]			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*NE*	*320,000*	*NE*	*--*	*15*	*2,600*	*39*	*0.53*	*750*	*58*	*3,900*	*3,900*
2010 CRA Excavation - Area of Station Building Expansion																							
EX-1	02/24/10	6.5	--	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.022	<0.001	--	--	--	--	--	--	--	--	--
EX-2	02/24/10	5.5	--	<4.0	4.3	0.007	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.021	<0.001	--	--	--	--	--	--	--	--	--
EX-3	02/24/10	5.5	--	<4.0	4.5	0.006	<0.001	0.001	0.002	0.004	<0.001	<0.001	<0.021	<0.001	--	--	--	--	--	--	--	--	--
EX-4	02/24/10	6.0	--	<4.0	19	**0.56**	0.005	0.099	0.11	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
2009 CRA Additional Assessment - Area of Planned Station Building Expansion																							
SB6	10/28/09	3.0	--	--	~~<1.1~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	7.5	--	--	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	11.5	--	--	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	12.5	--	--	6.2	0.002	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	15.5	--	--	61	0.041	<0.056	<0.056	<0.056	<0.028	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	19.0	--	--	93	**0.23**	<0.051	1.7	<0.051	<0.026	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	22.0	--	--	2.2	0.001	<0.001	0.013	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB6	10/28/09	23.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	3.0	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	6.0	--	--	~~<1.1~~	~~0.0007~~	~~<0.0009~~	~~<0.0009~~	~~0.001~~	~~<0.0005~~	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	9.0	--	--	34	0.055	0.002	0.047	0.011	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	12.0	--	--	37	0.011	<0.001	0.033	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	15.0	--	--	**190**	**0.17**	<0.049	1.0	<0.049	<0.024	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	18.0	--	--	**730**	**3.4**	<0.051	**14**	4.8	<0.026	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	21.0	--	--	3.0	0.014	<0.001	0.096	0.023	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB7	10/29/09	23.5	--	--	<1.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	5.5	--	--	7.6	0.023	0.001	0.007	0.004	0.006	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	10.0	--	--	4.2	0.046	<0.001	0.024	0.001	0.007	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	12.0	--	--	5.9	0.032	<0.001	0.063	0.001	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	15.0	--	--	**230**	**0.27**	<0.049	1.5	<0.049	<0.025	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	18.0	--	--	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	21.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
SB8	10/29/09	23.5	--	--	<1.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION #9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	EPA 8010 Compounds	As	Ba	Cd	Cr(VI)	Pb	Hg	Se	Ag
			Concentrations reported in milligrams per kilogram (mg/kg) unless otherwise noted																				
ESLs - Residential Direct Exposure [1]			*370*	*110*	*110*	*0.12*	*63*	*2.3*	*31*	*30*	*NE*	*NE*	*320,000*	*NE*	*--*	*0.39*	*300*	*1.7*	*9.4*	*260*	*1.3*	*78*	*78*
ESLs - Commercial Direct Exposure [2]			*3,700*	*450*	*450*	*0.27*	*210*	*5*	*100*	*65*	*NE*	*NE*	*320,000*	*NE*	*--*	*1.6*	*2,600*	*7.4*	*36*	*750*	*18*	*1,000*	*1,000*
ESLs - Construction Direct Exposure [3]			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*NE*	*320,000*	*NE*	*--*	*15*	*2,600*	*39*	*0.53*	*750*	*58*	*3,900*	*3,900*
2009 CRA Soil Vapor Probe Installation																							
VP1	01/27/09	4.0	--	--	~~100~~	~~**1.2**~~	~~<0.046~~	~~**2.4**~~	~~0.54~~	~~<0.023~~	--	--	--	--	--	--	--	--	--	--	--	--	--
VP2	01/27/09	4.0	--	--	<1.0	0.0007	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
VP4	01/27/09	4.0	--	--	<1.0	0.0007	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
VP5	01/27/09	4.0	--	--	<1.0	0.001	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--
2006 Cambria Injection Well Installation																							
IW-1	08/04/06	5.0	--	--	~~3.2~~	~~<0.0005~~	~~<0.001~~	~~0.003~~	~~<0.001~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.020~~	~~<0.001~~	--	--	--	--	--	--	--	--	--
IW-1	08/04/06	12.0	--	--	**260**	0.11	0.007	0.97	0.17	<0.002	<0.005	<0.005	<0.099	<0.005	--	--	--	--	--	--	--	--	--
IW-1	08/04/06	15.5	--	--	**880**	<0.003	0.007	**3.4**	1.6	<0.003	<0.005	<0.005	<0.10	<0.005	--	--	--	--	--	--	--	--	--
IW-1	08/04/06	20.0	--	--	**130**	**0.35**	<0.005	1.5	1.4	<0.003	<0.005	<0.005	<0.10	<0.005	--	--	--	--	--	--	--	--	--
IW-1	08/04/06	24.0	--	--	2.7	<0.0005	<0.001	0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
2006 Cambria Subsurface Investigation																							
GP-1	02/09/06	5.0	--	--	~~**110**~~	~~0.026~~	~~<0.005~~	~~1.4~~	~~0.063~~	~~<0.003~~	~~<0.005~~	~~<0.005~~	~~0.1~~	~~0.005~~	--	--	--	--	--	--	--	--	--
GP-1	02/09/06	7.0	--	--	7.9	0.003	<0.001	0.003	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-1	02/09/06	10.0	--	--	70	0.090	<0.005	1.3	<0.005	<0.002	<0.005	<0.005	0.099	<0.005	--	--	--	--	--	--	--	--	--
GP-2	02/02/06	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-2	02/02/06	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-2	02/02/06	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0006	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-3	02/02/06	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-3	02/02/06	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-4	02/02/06	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-4	02/02/06	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-5	02/02/06	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
GP-5	02/02/06	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	--	--	--	--	--	--	--	--	--
1997 PEG Offsite Well Installation																							
MW-7	05/05/97	5.0	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/05/97	10.5	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/05/97	5.5	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/05/97	10.5	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	05/05/97	5.0	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	05/05/97	10.0	--	--	<1000	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION #9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TOG*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*EPA 8010 Compounds*	*As*	*Ba*	*Cd*	*Cr(VI)*	*Pb*	*Hg*	*Se*	*Ag*
			Concentrations reported in milligrams per kilogram (mg/kg) unless otherwise noted																				
ESLs - Residential Direct Exposure [1]			*370*	*110*	*110*	*0.12*	*63*	*2.3*	*31*	*30*	*NE*	*NE*	*320,000*	*NE*	*--*	*0.39*	*300*	*1.7*	*9.4*	*260*	*1.3*	*78*	*78*
ESLs - Commercial Direct Exposure [2]			*3,700*	*450*	*450*	*0.27*	*210*	*5*	*100*	*65*	*NE*	*NE*	*320,000*	*NE*	*--*	*1.6*	*2,600*	*7.4*	*36*	*750*	*18*	*1,000*	*1,000*
ESLs - Construction Direct Exposure [3]			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*NE*	*320,000*	*NE*	*--*	*15*	*2,600*	*39*	*0.53*	*750*	*58*	*3,900*	*3,900*
1991 GTI Well Replacement																							
MW-4	08/22/91	12.0	--	--	1	<0.005	0.010	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	08/22/91	9.0	--	--	3	<0.005	0.022	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	08/22/91	13.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	08/22/91	12.5	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1991 Station Reconfiguration (former UST excavation samples)																							
AF	06/07/91	8.5	--	--	14	**0.26**	0.08	<0.03	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AM	06/07/91	9.0	--	--	4.1	**0.23**	0.047	0.31	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aop	06/07/91	9.0	--	--	9	0.11	0.06	<0.03	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BF	06/07/91	8.5	--	<1	--	0.077	0.007	0.025	0.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BF	06/07/91	8.5	--	<1	--	**0.26**	0.015	0.009	0.008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bop	06/07/91	10.0	--	<1	--	0.052	0.024	0.071	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CF	06/07/91	9.0	--	--	4.8	0.11	<0.005	0.16	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cop	06/07/91	9.5	--	--	43	**0.64**	0.12	2.3	0.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DF	06/07/91	9.0	--	--	3.6	0.027	0.01	0.091	0.053	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dop	06/07/91	10.0	--	--	70	**0.36**	0.3	0.13	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1991 Station Reconfiguration (product line samples)																							
14	06/07/91	2.0	--	<100	**970**	**32**	**120**	0.6	**130**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	06/07/91	8.0	--	<1	50	**0.16**	0.25	0.14	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	06/07/91	7.5	--	--	4.8	<0.005	0.067	0.040	0.044	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	06/07/91	3.0	--	--	59	0.1	0.070	0.54	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18	06/07/91	7.0	--	--	58	<0.005	0.090	0.45	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	06/07/91	3.0	--	--	<5	<0.005	0.010	<0.005	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	06/07/91	6.0	--	--	<0.3	<0.005	0.011	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21	06/07/91	9.0	--	--	<0.3	<0.005	0.013	<0.005	0.008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22	06/07/91	3.0	--	--	<0.3	<0.005	0.035	<0.005	0.032	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	06/07/91	6.0	--	--	<60	<0.03	0.24	0.21	0.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	06/07/91	3.0	--	<1	53	**0.32**	0.42	0.22	3.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	06/07/91	7.0	--	<3	**440**	**1.1**	5.2	0.54	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26	06/07/91	3.0	--	<4	**1,800**	**12**	15	**2.9**	**70**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
27	06/07/91	10.0	--	8	<0.5	<0.005	0.017	<0.005	0.075	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON STATION #9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TOG	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	EPA 8010 Compounds	As	Ba	Cd	Cr(VI)	Pb	Hg	Se	Ag
			Concentrations reported in milligrams per kilogram (mg/kg) unless otherwise noted																				
ESLs - Residential Direct Exposure [1]			***370***	***110***	***110***	***0.12***	***63***	***2.3***	***31***	***30***	***NE***	***NE***	***320,000***	***NE***	***--***	***0.39***	***300***	***1.7***	***9.4***	***260***	***1.3***	***78***	***78***
ESLs - Commercial Direct Exposure [2]			***3,700***	***450***	***450***	***0.27***	***210***	***5***	***100***	***65***	***NE***	***NE***	***320,000***	***NE***	***--***	***1.6***	***2,600***	***7.4***	***36***	***750***	***18***	***1,000***	***1,000***
ESLs - Construction Direct Exposure [3]			***12,000***	***4,200***	***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***--***	***15***	***2,600***	***39***	***0.53***	***750***	***58***	***3,900***	***3,900***
1991 Station Reconfiguration (waste oil storage tank pit samples)																							
WoM	06/07/91	9.0	<50	<1	4	0.051	0.054	0.011	0.13	--	--	--	--	--	ND	<1.0	1.6	<0.05	<0.1	<0.1b	<0.01c	<0.1	<0.1
1989 GTI Well Installation																							
MW1A	07/13/89	4.5	--	--	<1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--
MW1B	07/13/89	9.5	--	--	1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--
MW2A	07/13/89	4.5	--	--	<1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--
MW2B	07/13/89	9.5	--	--	<1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--
MW3A	07/13/89	4.5	--	--	<1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--
MW3B	07/13/89	9.5	--	--	<1	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--

Abbreviations/Notes:

TOG = Total oil and grease analyzed by EPA Method 8015, unless otherwise noted
TPHd = Total petroleum hydrocarbons as diesel, analyzed by GC FID/3550 (1991) or by EPA Method 8015 (2009)
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015 unless otherwise noted
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 2009, analyzed by EPA Method 8020 unless otherwise noted
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B, unless otherwise noted
DIPE = di-isopropyl ether, TAME = t-amyl methyl ether, TBA = tert-butyl alcohol and ETBE = ethyl tertiary butyl ether analyzed by EPA Method 8260B, unless otherwise noted.
EPA 8010 Compounds = As reported in August 2, 1991 *Tank Removal and Replacement* report. Specific constituents and detection limits not originally reported
As= Antimony, Ba = barium, Cd = cadmium, Cr = chromium, Pb = lead, Hg = mercury, Se = selenium, Ag = silver by EPA Method 6010, unless otherwise noted
fbg = feet below grade
1 = Environmental Screening Levels (ESLs) for shallow soils where groundwater is a current or potential source of drinking water for residential land use from the 2007 S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table K-1
2 = Environmental Screening Levels (ESLs) for shallow soils where groundwater is a current or potential source of drinking water for commercial/industrial land use from the 2007 S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table K-2
3 = Environmental Screening Levels (ESLs) for deep soils where groundwater is a current or potential source of drinking water for consturction/trench worker use from the 2007 S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table K-3
-- = not analyzed or not applicable
<x = Not detected at reporting limit x
ND = Not detected; detection limit unknown
* = Concentrations reported in milligrams per liter
a = MTBE analyzed by EPA Method 8020
b = Lead analyzed according to California DHS
c = Mercury analyzed by EPA Method 7470
Bold = Concentration exceeds applicable ESL
~~100~~ = Over-excavated sample location

TABLE 2
CUMULATIVE
GRAB-GROUNDWATER ANALYTICAL DATA
CHEVRON SERVICE STATION 9-0917
5280 HOPYARD RD. PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol
			Concentrations reported in micrograms per liter (µg/L)												
ESLs - Groundwater[1]			***100***	***1***	***40***	***30***	***20***	***5***	***12***	***NE***	***NE***	***NE***	***0.5***	***0.05***	***NE***
2009 CRA Additional Assessment - Area of Planned Station Building Expansion															
SB-6	10/28/2009	9.0	**620**	**33**	<0.5	16	<0.5	<0.5	--	--	--	--	--	--	--
SB-7	10/29/2009	9.0	**1,400**	**25**	6	25	6	<0.5	--	--	--	--	--	--	--
2006 Cambria Subsurface Investigation															
GP-1	02/09/06	8.0	**2,400**	**24**	<0.5	**98**	0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
GP-1	02/09/06	36.0	<50	0.7	<0.5	2	<0.5	**19**	<5	<0.5	<0.5	3	<0.5	<0.5	<50
GP-1	02/09/06	54.0	<50	<0.5	<0.5	1	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
GP-2	02/10/06	28.0	**110**	<0.5	<0.5	2	<0.5	**22**	<5	<0.5	<0.5	0.7	<0.5	<0.5	<50
GP-2	02/10/06	51.0	<50	<0.5	<0.5	2	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
GP-3	02/02/06	9.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
GP-4	02/02/06	9.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50
GP-5	02/02/06	9.0	<50	<0.5	<0.5	<0.5	<0.5	1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<50

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

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) and 1,2-Dibromoethane (EDB) by EPA Method 8260B

fbg=Feet below grade

1 = Environmental Screening Levels (ESLs) for groundwater where groundwater is a current or potential source of drinking water from the 2007 S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table F-1A

<x = Not detected above method detection limit

Bold = Value exceeds applicable ESL

TABLE 3
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
CHEVRON STATION 9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg (by TO-3)	TPHg (by TO-15)	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	Naphthalene	Helium	Oxygen	Methane	CO_2	N_2	Hydrogen Sulfide [3]	Carbonyl Sulfide	Thiophene
			← Reported in micrograms per cubic meter (µg/m^3) →								← Reported in % Volume →					← Reported in ppbv [4] →		
ESLs - Shallow Soil Gas (C/I) [2]			***29,000***	***29,000***	***280***	***180,000***	***580,000***	***58,000***	***31,000***	***240***	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*
2009 Sub-Slab Vapor Sampling																		
SSVP-1	11/25/09	--	--	140	<3.9	<4.6	<5.2	<5.2	<4.4	<25	0.25	20	<0.00024	0.66	79	--	--	--
SSVP-2	11/25/09	--	--	6,700	<3.9	<4.6	<5.2	<5.2	<4.4	<25	1.9	20	0.00061	0.39	78	--	--	--
IA-1	11/25/09	--	--	250	<3.5	11	<4.8	5.9	<4.0	<23	<0.11	20	0.00026	0.080	80	--	--	--
IA-1	LAB DUPLICATE		--	--	--	--	--	--	--	--	<0.11	20	0.00026	0.080	80	--	--	--
OA-1	11/25/09	--	--	290	<3.5	7.6	<4.8	4.9	<4.0	<23	<0.11	22	0.00028	0.064	78	--	--	--
OA-1 DUP	11/25/09	--	--	180	<3.9	7.8	<5.2	8.1	<4.4	<25	<0.12	21	0.00027	0.057	79	--	--	--
OA-1	LAB DUPLICATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009 CRA Additional Assessment - Area of Planned Station Building Expansion																		
SB6	10/29/09	6	--	<970	<38	<45	<52	<104	<43	<250	<0.12	20	<0.00024	2.0	--	--	--	--
SB6	10/29/09	6	--	--	--	--	--	--	--	--	<0.11	20	<0.00023	2.0	--	--	--	--
SB8	10/29/09	6	--	**130,000,000**	**23,000**	<4,500	<5,200	<10,400	<4,300	<25,000	<0.12	6.6	38	11	--	--	--	--
SB8	10/29/09	6	--	--	--	--	--	--	--	--	<0.12	6.1	40	12	--	--	--	--
SB8 DUP	10/29/09	6	--	**120,000,000**	**22,000**	<4,500	<5,200	<10,400	<4,300	<25,000	<0.12	6.8	38	11	--	--	--	--
SB8 DUP	10/29/09	6	--	--	--	--	--	--	--	--	1.8	6.6	37	11	--	--	--	--
SB9	10/29/09	6	--	**260,000**	190	120	500	71	<43	**420**	<0.12	21	0.054	0.32	--	--	--	--
SB9	10/29/09	6	--	--	--	--	--	--	--	--	<0.12	21	0.054	0.31	--	--	--	--
2009 Soil Vapor Probe Installation																		
VP1	02/02/09	6 - 6.5	**120,000,000**	--	**960,000**	5,400	470,000	**84,000**	<4,500	<26,000	0.35	5.0	34	5.9	--	--	--	--
VP1 DUPLICATE	02/02/09	6 - 6.5	**120,000,000**	--	**750,000**	<4,600	320,000	54,000	<4,400	<26,000	0.34	4.9	33	5.8	--	--	--	--
VP1 RESAMPLE	02/02/09	6 - 6.5	**200,000,000**	--	**840,000**	<4,600	400,000	**87,000**	<4,400	<26,000	<0.12	2.9	57	6.7	--	--	--	--
VP1	05/14/09	6 - 6.5	**190,000,000**	**140,000,000**	**1,500,000**	<13,000	98,000	55,000	<12,000	<70,000	<0.34	1.4	26	12	57	6.1	15	8.0
VP1 DUPLICATE	05/14/09	6 - 6.5	**200,000,000**	**160,000,000**	**1,500,000**	<12,000	95,000	**59,000**	<12,000	<69,000	<0.33	0.96	26	12	58	--	--	--
VP1 RESAMPLE	05/14/09	6 - 6.5	**120,000,000**	**110,000,000**	**980,000**	<8,400	180,000	**66,000**	<8,000	<47,000	<0.22	11	23	7.5	56	--	--	--
VP2	02/02/09	6 - 6.5	**36,000**	--	**280**	89	150	180	<6.8	<40	<0.44	6.5	0.012	6.3	--	--	--	--
VP2	LAB DUPLICATE		**36,000**	--	**280**	91	160	190	<14	<79	--	--	--	--	--	--	--	--

TABLE 3
CUMULATIVE SOIL VAPOR ANALYTICAL DATA
CHEVRON STATION 9-0917
5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg (by TO-3)	TPHg (by TO-15)	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	Naphthalene	Helium	Oxygen	Methane	CO_2	N_2	Hydrogen Sulfide [3]	Carbonyl Sulfide	Thiophene
			Reported in micrograms per cubic meter ($\mu g/m^3$)								Reported in % Volume					Reported in ppbv [4]		
ESLs - Shallow Soil Gas (C/I) [2]			***29,000***	***29,000***	***280***	***180,000***	***580,000***	***58,000***	***31,000***	***240***	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*
VP2	05/14/09	6 - 6.5	17,000	13,000	150	400	54	490	23	82J	<0.22	1.4	0.0051	20	78	--	--	--
VP4	02/02/09	5 - 5.5	4,700	--	26	24	120	88	<4.2	<24	<0.12	9.3	0.00030	8.1	--	--	--	--
VP4	05/14/09	5 - 5.5	1,800	1,100	9	<4.5	<5.2	10	<4.3	<25UJ	<0.12	5.9	0.00037	11	83	--	--	--
VP5	02/02/09	5 - 5.5	**890,000**	--	230	350	<50	110	<41	<240	<0.12	1.7	5.2	2.2	--	--	--	--
VP5	LAB DUPLICATE		**--**	--	**--**	**--**	**--**	**--**	**--**	**--**	<0.12	1.7	5.2	2.2	--	--	--	--
VP5	05/14/09	5 - 5.5	**1,100,000**	**1,200,000**	**1,400**	<530	<610	<610	<510	<3,000	<0.11	1.4	6.0	4.7	88	1300	<4.0	<4.0

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method TO-3 or EPA Method TO-15, as noted
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) by EPA Method TO-15
Helium, oxygen, methane and carbon dioxide (CO_2) by modified ASTM D-1946
Hydrogen sulfide, Carbonyl sulfide and thiophene by ASTM D-5504
fbg = Feet below grade
<X = Not detected above method detection limit x
-- = not analyzed or not applicable
1 = Highest xylene, either m,p-xylene or o-xylene, concentration reported
2 = Environmental Screening Levels (ESLs) for shallow soil gas (vapor intrusion concerns) for commercial/industrial land use from the 2007 S*creening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the C San Francisco Bay Region Interim Final November 2007, revised May 2008, Table E
3 = A full suite of mercaptans were run by ASTM D-5504. Only detected compounds are reported
4 = Results reported in parts-per-billion by volume (ppbv) only
J = Estimated value due to bias in the CCV
UJ = Non-detected compound associate with low bias in the CCV
Bold = Concentration exceeds applicable ESL

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Acting Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 21, 2009

Mr. Aaron Costa (*Sent via E-mail to: ACosta@chevron.com*)
Chevron Environmental Management Company
6001 Bollinger Canyon Road, Room 3660
San Ramon, CA 94583

Lamorinda Development and Investment
89 Davis Road, Suite 160
Orinda, CA 94563

C & H Development Company
43 Panoramic Way
Walnut Creek, CA 94595

Subject: Fuel Leak Case No. RO0000439 and Geotracker Global ID T0600100345, Chevron #9-0917, 5280 Hopyard Road, Pleasanton, CA 94566

Dear Mr. Costa:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted documents entitled, "*Sub-slab Vapor Results,"* dated December 15, 2009 and "*Work Plan for Excavation and Well Destruction,"* dated December 16, 2009 (Work Plan). The Sub-slab Vapor Results Report presents the results from sampling of two sub-slab vapor probes within the station building and ambient air sampling. Total petroleum hydrocarbons as gasoline (TPHg) were detected in the two subslab soil vapor samples and ambient air samples at concentrations ranging from 140 to 6,700 micrograms per cubic meter ($\mu g/m^3$). The Sub-slab Vapor Results Report concludes that there is no complete exposure pathway from the subsurface to the site building. It is not clear that this conclusion can be substantiated based upon the comparison of indoor air, outdoor air, and sub-slab sampling results from a single sampling event. Additional sub-slab and ambient air single sampling will be required to confirm that the November 2009 sampling results are representative.

The Work Plan proposes the excavation of soil to a depth of approximately 8 feet bgs within the area of a proposed building expansion and destruction of wells VP-1 and IW-1. To replace VP-1, a soil vapor probe is to be installed within native soil outside the excavation as close as possible to the location of VP-1. Replacement of well IW-1 is not required at this time. The proposed excavation and well destruction is acceptable and may be implemented as proposed.

We request that you address the technical comment below, perform the proposed work, and send us the reports requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Additional Assessment in Area of Planned Building Expansion.** Three soil borings were advanced within the area east of the existing station building on October 29, 2007 for an additional assessment in the area of planned building expansion. Although analytical results from these borings are listed in Table 1 of the Sub-slab Vapor Results Report, the complete results from these borings do not appear to have been presented in a technical report. Please present the complete results from these borings and the assessment in the Excavation and Soil Vapor Probe Installation Report requested below. Please include recommendations for the ongoing soil vapor investigation.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **April 23, 2010** – Excavation and Soil Vapor Probe Installation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following:

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566 (*Sent via E-mail to: dstefani@lpfire.org*)

Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cdizon@zone7water.com*)

Bill Hurtido, Accor North America, 4001 International Parkway, Carrollton, TX 75007

Charlotte Evans, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608 Evans, 94551 (*Sent via E-mail to: Cevans@craworld.com*)

Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH
Geotracker, File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

A PREVIOUS ENVIRONMENTAL INVESTIGATIONS

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION

CHEVRON STATION 9-0917

1989 Monitoring Well Installation

In August 1989, Groundwater Technology, Inc. (GTI) installed onsite groundwater monitoring wells MW-1 through MW-3. No total petroleum hydrocarbons as gasoline (TPHg) or benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in soil. Only 6 micrograms per liter (µg/L) ethylbenzene was detected in groundwater, no other fuel hydrocarbons were detected. Details of this investigation can be found in GTI's *Site Assessment Report*, dated August, 1989.

1991 Monitoring Well Destruction and Well Installation

In July 1991, GTI destroyed wells MW-1 through MW-3 and installed groundwater monitoring wells MW-4 through MW-6. TPHg was detected at up to 3 milligrams per kilogram (mg/kg) in MW-5, but the chromatogram was not consistent with a gasoline standard pattern. In particular, a set of peaks were present both before and after the gasoline hydrocarbon range, indicating a suite of hydrocarbons both lighter and heavier than normal gasoline-range hydrocarbons. No benzene, ethylbenzene or xylenes were detected; toluene was detected at a maximum concentration of 0.022 mg/kg. Groundwater was encountered in the well borings at a depth of approximately 13 feet below grade (fbg). Maximum hydrocarbon concentrations detected in groundwater were 12,000 µg/L TPHg and 4,000 µg/L benzene in MW-5. Details of this investigation can be found in GTI's *Well Installation Report*, November 14, 1991.

1991 UST Replacement and Soil Excavation

In June 1991, Blaine Tech Services, Inc. observed the underground storage tank (UST) system removal and soil excavation, and collected soil and groundwater samples for chemical analyses. Five fiberglass USTs consisting of three 10,000-gallon gasoline, one 10,000-gallon diesel, and one 500-gallon used-oil UST were removed and replaced with four 12,000-gallon double-walled fiberglass gasoline USTs. The highest hydrocarbon concentrations detected in over-excavation soil samples from the bottom of the UST excavation were 70 mg/kg TPHg and 0.64 mg/kg benzene at 9.5 fbg to 10 fbg. The highest hydrocarbon concentrations detected in over-excavation soil samples from beneath the fuel product piping were 440 mg/kg TPHg and 1.1 mg/kg benzene at 7 fbg. Total petroleum hydrocarbons as diesel (TPHd) were detected at a maximum concentration of 8.0 mg/kg from 10 fbg in the product piping area. Concentrations of 24,000 µg/L TPHg and 1,000 µg/L benzene were detected in a groundwater sample collected from the UST excavation. Depth to water in the excavation was measured at approximately 10 fbg. Approximately 90 cubic yards of soil, not including pea gravel, were removed during UST removal and over-excavation, and approximately 70 cubic yards of soil were removed during product line removal and over-excavation. The probable hydrocarbon source area,

based on reported soil and grab-groundwater samples, is the former dispenser island and associated northeastern product lines. Details of this investigation can be found in Gettler-Ryan's (G-R) *Site Conceptual Model and Closure Request*, dated January 25, 2002.

1997 Monitoring Well Installation

On May 5, 1997, Pacific Environmental Group, Inc. (PEG) installed offsite groundwater monitoring wells MW-7 through MW-9 to define the extent of petroleum hydrocarbons and methyl tertiary-butyl ether (MTBE) in groundwater south of the source area. No TPHg, BTEX or MTBE was detected in any soil samples. Selected soil samples were sent to Cooper Testing Facilities for physical analysis for moisture, density, porosity, specific gravity, and organic content. Details of this investigation can be found in PEG's *Soil and Groundwater Investigation*, dated August 11, 1997.

March 1999 Enhanced Bioremediation

On March 26, 1999, G-R installed oxygen releasing compound (ORC) socks in wells MW-5 and MW-6 to increase the dissolved oxygen concentrations in groundwater to enhance biodegradation of the hydrocarbon plume. ORC in this application had an estimated time release of approximately six months. A significant decrease in dissolved hydrocarbon concentrations was observed in MW-5 and MW-6 after installation of the ORC. A significant decrease in dissolved oxygen (DO) concentrations in wells MW-5 and MW-6 was reported from samples collected from June 19, 2000 to September 18, 2000, suggesting that the ORC socks were spent. During the next five quarters DO concentrations stabilized around 3.6 milligrams per liter (mg/L) in MW-5 and 4.3 mg/L in MW-6. A second significant decrease in DO was reported in samples collected from September 7, 2001 to December 5, 2001. At the request of ACEHS, G-R removed the ORC socks in wells MW-5 and MW-6 during the monitoring and sampling event on September 7, 2001.

2006 Subsurface Investigation

In February 2006, Cambria Environmental Technology, Inc. (Cambria) advanced borings GP-1 through GP-5. Borings GP-1 and GP-2 were advanced to deeper groundwater bearing zones using a cone penetrometer technology (CPT) direct push drill rig. TPHg was only detected in soil samples from GP-1, at concentrations ranging from 7.9 mg/kg at 7 fbg to 110 mg/kg at 5 fbg. Benzene was detected only in GP-1 at concentrations ranging from 0.003 mg/kg at 7 fbg to 0.09 mg/kg at 10 fbg. MTBE was detected only in soil GP-2 at 10 fbg at a concentration of 0.006 mg/kg. The highest TPHg concentrations detected in grab-groundwater samples were 2,400 µg/L at 8 fbg from GP-1 and 110 µg/L at 28 fbg in GP-2. Benzene was only detected in grab-groundwater samples from GP-1 at concentrations of 2 µg/L at 8 fbg and 0.7 µg/L at 36 fbg. MTBE detections were 19 µg/L in GP-1 at 36 fbg and 22 µg/L in GP-2 at 28 fbg. No TPHg, benzene or MTBE were detected in grab-groundwater samples from GP-3 through GP-5,

with the exception of 1 µg/L MTBE in GP-5. Details of this investigation can be found in Cambria's *Subsurface Investigation Report*, dated March 29, 2006.

2006 Well Installation

In August 2006, Cambria installed remediation well IW-1. The highest hydrocarbon concentrations in soil were 880 mg/kg TPHg at 15.5 fbg and 0.35 mg/kg benzene at 20 fbg. No MTBE was detected in soil. Details of this investigation can be found in Cambria's *Subsurface Investigation Report*, dated September 26, 2006.

2007 Groundwater Batch Extraction

Cambria performed batch groundwater extraction from well IW-1. A total of 300 gallons of groundwater were extracted over a 14.5 hour period on two consecutive days. The calculated TPHg mass removed was 0.0051 pounds. Review of the boring log and physical soil data indicate the majority of soil encountered beneath the site has high clay content and low permeability, therefore it yielded little hydrocarbon mass through groundwater extraction. Details of this investigation can be found in Cambria's *Groundwater Batch Extraction Results*, dated March 12, 2007.

2009 Soil Vapor Probe Installations

Conestoga-Rovers & Associates (CRA) installed soil vapor probes VP1, VP2, VP4, and VP5 onsite to evaluate the potential soil vapor intrusion pathway to indoor air. TPHg in soil was only detected in VP1 at 100 mg/kg. Benzene was detected in all four soil samples, ranging in concentration from 0.0007 mg/kg in VP2 and VP4 to 1.2 mg/kg in VP1. No toluene, ethylbenzene, xylenes or MTBE were detected above environmental screening levels (ESLs)[1] in any soil sample. Soil vapor hydrocarbon concentrations in VP1 exceeded ESLs[2] with maximum concentrations of 200,000,000 micrograms per meter cubed (µg/m^3) TPHg, 960,000 µg/m^3 benzene, and 87,000 µg/m^3 xylenes. No toluene, ethylbenzene, or MTBE was detected above shallow soil vapor ESLs. Elevated methane concentrations were detected in soil vapor samples from VP1 and VP5, with a maximum concentration of 57 percent in VP1. Both VP1 and VP5 are adjacent to sewer lines that exit the station building. Details of this investigation can be found in CRA's *Soil Vapor Probe Installation and Sampling Report*, dated April 19, 2009.

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1 Environmental Screening Levels (ESLs) for shallow soils (≤3m) where groundwater is current or potential source of drinking water for commercial/industrial land use from the 2007 *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table A.

2 Environmental Screening Levels (ESLs) soil gas (Vapor Intrusion concerns) for commercial/industrial land use from the 2007 *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region Interim Final November 2007, revised May 2008, Table E

2009 Soil Vapor Sampling

On May 14, 2009 CRA collected another set of samples from vapor probes VP1, VP2, VP4 and VP5. Probe VP1 had hydrocarbon concentrations above ESLs[2] with maximum concentrations of 200,000,000 µg/m^3 TPHg, 1,500,000 µg/m^3 benzene, and 66,000 µg/m^3 xylenes. No toluene, ethylbenzene, or MTBE was detected above shallow soil vapor ESLs. Elevated methane concentrations were again detected in samples from VP1 and VP5, with concentrations ranging up to 26 percent in VP1. Methane concentrations had decreased in VP1, but remained stable in VP5. Hydrogen sulfide was detected in VP1 and VP5 at a maximum concentration of 1,400 parts-per-billion-by-volume. Hydrogen sulfide is a gas that can be derived in sewers from the decay of organic matter. Details of this investigation can be found in CRA's *Soil Vapor Sampling Report and Work Plan for Sub-Slab Vapor Probes*, dated June 29, 2009.

2009 Sub-Slab Soil Vapor Sampling

On November 25, 2009, CRA installed and collected soil samples from sub-slab vapor probes SSVP-1 and SSVP-2, and collected ambient indoor and outdoor air samples. Only TPHg was detected in the sub-slab probes at 140 µg/m^3 in SSVP-1 and 6,700 µg/m^3 in SSVP-2. The ambient indoor air sample only had detections of 250 µg/m^3 TPHg, 11 µg/m^3 toluene and 5.9 µg/m^3 xylenes. Outdoor ambient air maximum detections were 290 µg/m^3 TPHg, 7.8 µg/m^3 toluene and 8.1 µg/m^3 xylenes. Based on these results it was concluded that indoor air concentrations are from the air exchange with outdoor air, not from sub-slab vapors, and there is not a complete pathway for vapor intrusion from the subsurface into the onsite building. Therefore, onsite workers are not at risk from vapor intrusion. Details of this investigation can be found in CRA's *Sub-Slab Vapor Results*, dated December 15, 2009.

APPENDIX C

PERMITS

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT CHEVRON STATION
5280 HOPYARD ROAD
PLEASANTON, CA

Coordinates Source _____ ft. Accuracy± _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

CLIENT
Name CHEVRON ENVIRONMENTAL MANAGEMENT
Address 6111 BOLINGER CANYON Phone 925-543-2961
City SAN RAMON Zip 94583

APPLICANT
Name JAN HULL (CONESTOGA-ROVERS & ASSOC.)
Email jhull@craworld.com Fax 510-420-9170
Address 5900 HOLLIS ST., STE. A Phone 510-376-2749
City EMERYVILLE Zip 94608

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other _____	☐

DRILLING COMPANY VAPOR TECH SERVICES

DRILLER'S LICENSE NO. C-57 916085

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 10 Maximum
Hole Diameter 2 in. Depth 20 ft.

ESTIMATED STARTING DATE 10/28/2009
ESTIMATED COMPLETION DATE 10/29/2009

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Jan Hull Date 10/21/2009

PERMIT NUMBER 29079
WELL NUMBER _____
APN 941-1301-074-05

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 10/24/09
Wyman Hong

ATTACH SITE PLAN OR SKETCH

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 5280 HOPYARD RD
PLEASANTON CA
CHEVRON SERVICE STAION

Coordinates Source _____ ft. Accuracy∀ _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

CLIENT
Name CHEVRON ENVIRONMENTAL MANAGEMENT CO.
Address 6111 BOLLINGER CANYON Phone 925 842 5005
City SAN RAMON Zip 94583

APPLICANT
Name BELEW YIFRU FOR CONESTOGA-ROVERS & ASSOCIATES
Email byifru@CRAWORLD.COM Fax 510 420 9170
Address 5900 HOLLIS ST. SUITE A Phone 510 420 3356
City EMERYVILLE Zip 94608

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	X	Contamination Investigation	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	9	Other _____	9

DRILLING COMPANY CONESTOGA-ROVERS AND ASSOCIATES
DRILLER'S LICENSE NO. C-57 # 936574
WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum Depth 24 ft.
Casing Diameter 4 in.
Surface Seal Depth _____ ft. Number ONE

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 12/15/2009
ESTIMATED COMPLETION DATE 12/15/2009

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 12/10/2009

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29096
WELL NUMBER 3S/1E-6Q13 (IW-1)
APN 941-1301-074-05

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 12/14/09
Wyman Hong

Revised: April 23, 2008

December 16, 2009

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Chevron Environmental Management Company
5280 Hopyard Road
Pleasanton
Well 3S/1E-6Q13 (IW-1)
Permit 29096

Destruction Requirements

1. Sound the well as deeply as practicable and record for your report.

2. Remove the entire well casing, surface seal and gravel pack by excavation.

3. Fill the excavation with clean gravel up to 8 feet below grade and compacted material up to the surface.

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 5280 HOPYARD RD
PLEASANTON CA

CHEVRON SERVICE STATION

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

CLIENT
Name CHEVRON ENVIRONMENTAL MANAGEMENT CO.
Address 6111 BOLLINGER CANYON RD Phone 925 824 5005
City SAN RAMON Zip 94583

APPLICANT
Name BELEW YIFRU FOR CONESTOGA-ROVERS & ASSOCIATES
Email byifru@CRAWORLD.COM Fax 510-420-9170
Address 5900 HOLLIS ST. SUITE A Phone 510 420 3356
City EMERYVILLE Zip 94608

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	X	Contamination Investigation	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	9	Other _____	9

DRILLING COMPANY CONESTOGA-ROVERS AND ASSOCIATES

DRILLER'S LICENSE NO. C57 # 936574

WELL SPECIFICATIONS:
Drill Hole Diameter 4 in. Maximum
Casing Diameter * in. Depth 6.5 ft.
Surface Seal Depth _____ ft. Number ONE (VP-1)
* USED TEFLON TUBING FOR VAPOR PROBE

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 12/21/2009
ESTIMATED COMPLETION DATE 12/21/2009

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 12/16/2009

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29098
WELL NUMBER 3S/1E-6Q14 (VP-1)
APN 941-1301-074-05

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 12/16/09
Wyman Hong

Revised: April 23, 2008

December 16, 2009

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Chevron Environmental Management Company
5280 Hopyard Road
Pleasanton
Well 3S/1E-6Q14 (VP-1)
Permit 29098

Destruction Requirements

1. Sound the well as deeply as practicable and record for your report.

2. Remove the entire well casing, surface seal and gravel pack by excavation.

3. Fill the excavation with clean gravel up to 8 feet below grade and compacted material up to the surface.

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 5280 HOPYARD RD
PLEASANTON CA
CHEVRON SERVICE STAION

Coordinates Source _____ ft. Accuracy∀ _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN _____

CLIENT
Name CHEVRON ENVIRONMENTAL MANAGEMENT CO.
Address 6111 BOLLINGER CANYON Phone 925 842 5005
City SAN RAMON Zip 94583

APPLICANT
Name BELEW YIFRU FOR CONESTOGA-ROVERS & ASSOCIATES
Email byifru@CRAWORLD.COM Fax 510 420 9170
Address 5900 HOLLIS ST. SUITE A Phone 510 420 3356
City EMERYVILLE Zip 94608

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	X	Contamination Investigation	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	9	Other _____	9

DRILLING COMPANY CONESTOGA-ROVERS AND ASSOCIATES
DRILLER'S LICENSE NO. C-57 # 936574
WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 24 ft.
Surface Seal Depth _____ ft. Number ONE

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 12/15/2009
ESTIMATED COMPLETION DATE 12/15/2009

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 12/10/2009

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29096
WELL NUMBER 3S/1E-6Q13 (IW-1)
APN 941-1301-074-05

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

A. GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 12/14/09
Wyman Hong

Revised: April 23, 2008

December 14, 2009

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Chevron Environmental Management Company
5280 Hopyard Road
Pleasanton
Well 3S/1E-6Q13 (IW-1)
Permit 29096

Destruction Requirements:

1. Sound the well as deeply as practicable and record for your report.

2. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.

3. Fill the remaining hole to two feet below grade or original ground, whichever is the lower elevation, with neat cement sealing material, using a tremmie pipe.

P:\WRE\GPOs\Destruct Specs\Drillout.wpd

APPENDIX D

BORING LOGS

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB6
JOB/SITE NAME	Chevron Station 9-0917	**DRILLING STARTED**	28-Oct-09
LOCATION	5280 Hopyard Road, Pleasanton, California	**DRILLING COMPLETED**	28-Oct-09
PROJECT NUMBER	060057	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	VaporTech Sevices (C57-916085)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	9.0 ft ▽
REVIEWED BY	Brandon S. Wilken P.G. #7564	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Dedicated soil vapor borings advanced adjacent to soil/water borings. Soil/water borings hand cleared to 8 feet below grade.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.5	
0		SB6-S-3					**Silty CLAY (fill):** Dark grey; firm; moist; moderate plasticity.	3.5	
				5			**GRAVEL with silt (pea gravel):** Dark grey; moist; poorly graded gravel; non-plastic. @ 5.5 to 6.0 fbg soil vapor sampling interval	7.0	
0		SB6-S-7.5					**Clayey SILT:** Dark grey; firm; moist; moderate plasticity. @ 9 fbg soil becomes wet. ▽		
				10					
34		SB6-S-11.5							Portland Type I/II Cement
				15	ML		@ 15 fbg approximetly 2-inch thick silty sand layer.		
632		SB6-S-15.5							
125		SB6-S-19		20					
13		SB6-S-22							
1		SB6-S-23.5						24.0	Bottom of Boring @ 24 ft

WELL LOG (PID) I:\CHEVRON\0600-\060057~1\060323~1\060057-GINT.GPJ DEFAULT.GDT 4/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB7
JOB/SITE NAME	Chevron Station 9-0917	**DRILLING STARTED**	29-Oct-09
LOCATION	5280 Hopyard Road, Pleasanton, California	**DRILLING COMPLETED**	29-Oct-09
PROJECT NUMBER	060057	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	VaporTech Sevices (C57-916085)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	3.0 ft ▽
REVIEWED BY	Brandon S. Wilken P.G. #7564	**DEPTH TO WATER (Static)**	NA ▼

REMARKS Dedicated soil vapor borings advanced adjacent to soil/water borings. Soil/water borings hand cleared to 8 feet below grade.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.5	
							Clayey SILT (fill): Light brown; firm; moist; moderate plasticity. Intermittant construction debris.		
1		SB7-S-3					@3.5 fbg thin perched water zone. ▽	3.5	
							GRAVEL (fill): Dark grey; moist; poorly graded gravel; non-plastic.	5.0	
				5			**Clayey SILT:** Dark grey; firm; moist; high plasticity.		
1		SB7-S-6					@ 5.5 to 6.0 fbg soil vapor sampling interval		
32		SB7-S-9					@9 fbg soil becomes wet.		
				10					
400		SB7-S-12							Portland Type I/II Cement
					MH				
1276		SB7-S-15		15			@15.5 fbg approximately 3-inch thick silty sand layer.		
1305		SB7-S-18							
				20					
112		SB7-S-21							
5		SB7-S-23.5						24.0	Bottom of Boring @ 24 ft

WELL LOG (PID) I:\CHEVRON\0600-\060057~1\060323~1\060057-GINT.GPJ DEFAULT.GDT 4/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB8
JOB/SITE NAME	Chevron Station 9-0917	**DRILLING STARTED**	29-Oct-09
LOCATION	5280 Hopyard Road, Pleasanton, California	**DRILLING COMPLETED**	29-Oct-09
PROJECT NUMBER	060057	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	VaporTech Sevices (C57-916085)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Brandon S. Wilken P.G. #7564	**DEPTH TO WATER (Static)**	NA

REMARKS Dedicated soil vapor borings advanced adjacent to soil/water borings. Soil/water borings hand cleared to 8 feet below grade.

PID (ppm)	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
			ML	**ASPHALT**	0.5	
				Clayey SILT with gravel: Dark grey; firm; moist; well graded gravel; moderate plasticity.		
1	SB8-S-3				3.5	
				SILT: Dark grey; hard; moist; high plasticity.		
70	SB8-S-5.5	5		@ 5.5 to 6.0 fbg soil vapor sampling interval		
7	SB8-S-10	10				
	SB8-S-12		MH			Portland Type I/II Cement
10	SB8-S-15	15		@15 fbg approximately 3-inch thick silty sand layer.		
2	SB8-S-18	20				
2	SB8-S-21					
1	SB8-S-23.5				24.0	Bottom of Boring @ 24 ft

WELL LOG (PID) I:\CHEVRON\0600-\060057~1\060323~1\060057-GINT.GPJ DEFAULT.GDT 4/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB9
JOB/SITE NAME	Chevron Station 9-0917	**DRILLING STARTED**	29-Oct-09
LOCATION	5280 Hopyard Road, Pleasanton, California	**DRILLING COMPLETED**	29-Oct-09
PROJECT NUMBER	060057	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	VaporTech Sevices (C57-916085)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2 inches	**SCREENED INTERVAL**	NA
LOGGED BY	B. Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Brandon S. Wilken P.G. #7564	**DEPTH TO WATER (Static)**	NA
REMARKS	Dedicated soil vapor borings advanced adjacent to soil/water borings. Soil/water borings hand cleared to 8 feet below grade.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.5	
					ML		**Clayey SILT with gravel:** Dark grey; firm; moist; well graded gravel; moderate plasticity.	4.0	Portland Type I/II Cement
				5			Advanced for soil vapor samples: soil logging could not be performed. @ 5.5 to 6.0 fbg soil vapor sampling interval		Bottom of Boring @ 6 ft

APPENDIX E

STANDARD FIELD PROCEDURES

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GEOPROBE® SOIL AND GROUNDWATER SAMPLING

This document describes Conestoga-Rovers & Associates' standard field methods for GeoProbe® soil and groundwater sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration, and
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy)
- Estimated permeability

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Groundwater Sampling

Groundwater samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

F:\TEMPLATE\SOPS\GEOPROBE.DOC

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

VAPOR PROBE METHODS

This document describes Conestoga-Rovers & Associates' standard field procedures for soil vapor sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil vapor samples are collected and analyzed to assess whether vapor-phase subsurface contaminants pose a threat to human health or the environment.

Shallow Soil Vapor Probe Installation

The shallow soil vapor probe method for soil vapor sampling utilizes a hand auger or drill rig to advance a boring for the installation of a soil vapor sampling probe to facilitate the collection of in-situ vapor samples. Once the boring is advanced to the final depth, a probe, connected with Swagelok fittings to nylon or Teflon tubing of ¼-inch outer-diameter, is placed approximately 6 inches from the bottom of the boring and surrounded by 12-inches of number 2/16 filter sand (Figure A). A 12-inch layer of dry granular bentonite is placed on top of the filter pack. Pre-hydrated granular bentonite is then poured to fill the borehole. The tube is coiled and placed within a wellbox finished flush to the surface. Soil vapor samples will be collected no sooner than 48 hours after installation of the soil vapor probe to allow adequate time for representative soil vapors to accumulate. Soil vapor sample collection will not be scheduled until after a minimum of three consecutive precipitation-free days and irrigation onsite has ceased. Figure B shows the soil vapor sampling apparatus. A measured volume of air will be purged from the tubing using a different Summa purge canister. Immediately after purging, soil vapor samples will be collected using the appropriate size Summa canister with attached flow regulator and sediment filter. The soil vapor probes will be preserved until they are no longer needed for risk evaluation purposes. At that time, they will be destroyed by extracting the tubing, hand augering to remove the sand and bentonite, and backfilling the boring with neat cement. The boring will be patched with asphalt or concrete, as appropriate.

Sampling of Soil Vapor Probes

Samples will be collected using a SUMMA™ canister connected to the sampling tube of each vapor probe. Prior to collecting soil vapor samples, the initial vacuum of the canisters is measured and recorded on the chain-of-custody. The vacuum of the SUMMA™ canister is used to draw the soil vapor through the flow controller until a negative pressure of approximately 5-inches of Hg is observed on the vacuum gauge and

recorded on the chain-of-custody. The flow controllers should be set to 100-200 ml/minute. Field duplicates should be collected for every day of sampling and/or for every 10 samples collected.

Prior to sample collection, stagnant air in the sampling apparatus should be removed by purging approximately 3 purge volumes. The purge volume is defined as the amount of air within the probe and tubing.

In accordance with the DTSC guidance document titled *Advisory-Active Soil Gas Investigations*, dated January 28, 2003, leak testing is necessary during sampling. Helium is recommended, although shaving cream is acceptable.

Vapor Sample Storage, Handling and Transport

Samples are stored and transported under chain-of-custody to a state-certified analytic laboratory. Samples should never be cooled due to the possibility of condensation within the canister.

APPENDIX F

ANALYTICAL REPORTS FOR SOIL AND GROUNDWATER

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

November 04, 2009

Project: 90917

Samples arrived at the laboratory on Saturday, October 31, 2009. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1168952.

Client Sample Description	Lancaster Labs (LLI) #
SB6-S-3-091028 Grab Soil	5822706
SB6-S-7.5-091028 Grab Soil	5822707
SB6-S-11.5-091028 Grab Soil	5822708
SB6-S-12.5-091028 Grab Soil	5822709
SB6-S-15.5-091028 Grab Soil	5822710
SB6-S-19-091028 Grab Soil	5822711
SB6-S-22-091028 Grab Soil	5822712
SB6-S-23.5-091028 Grab Soil	5822713
SB7-S-3-091029 Grab Soil	5822714
SB7-S-6-091029 Grab Soil	5822715
SB8-S-3-091029 Grab Soil	5822716
SB8-S-5.5-091029 Grab Soil	5822717
SB8-S-10-091029 Grab Soil	5822718
SB8-S-12-091029 Grab Soil	5822719
SB8-S-15-091029 Grab Soil	5822720
SB8-S-18-091029 Grab Soil	5822721
SB8-S-21-091029 Grab Soil	5822722
SB8-S-23.5-091029 Grab Soil	5822723
SB7-S-9-091029 Grab Soil	5822724
SB7-S-12-091029 Grab Soil	5822725
SB7-S-15-091029 Grab Soil	5822726
SB7-S-18-091029 Grab Soil	5822727
SB7-S-21-091029 Grab Soil	5822728

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

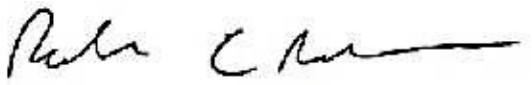
SB7-S-23.5-091029 Grab Soil 5822729

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB6-S-3-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822706
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 09:15 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP603

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.01
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	1.1	26.94

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 13:55	Emily R Styer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:22	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:23	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:23	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/02/2009 22:32	Elizabeth J Marin	26.94
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:24	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB6-S-7.5-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822707
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:00 by IH

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

Account Number: 10880

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP607

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.06
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.76

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 14:57	Emily R Styer	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:25	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:25	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:26	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/02/2009 23:10	Elizabeth J Marin	23.76
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:27	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB6-S-11.5-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822708
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:20 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP611

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.03
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.32

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 15:20	Emily R Styer	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:29	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:29	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:30	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/02/2009 23:48	Elizabeth J Marin	24.32
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:31	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB6-S-12.5-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822709
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:20 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP612

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.002	0.0005	0.005	1.02
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.02
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.2	1.1	1.1	26.8

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 16:04	Emily R Styer	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:31	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:32	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:32	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 00:25	Elizabeth J Marin	26.8
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:33	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB6-S-15.5-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822710
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:30 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP615

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.041	0.028	0.28	55.56
07360	Ethylbenzene	100-41-4	N.D.	0.056	0.28	55.56
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.028	0.28	55.56
07360	Toluene	108-88-3	N.D.	0.056	0.28	55.56
07360	Xylene (Total)	1330-20-7	N.D.	0.056	0.28	55.56
	The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	61	21	21	536.48

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	Q093061AA	11/02/2009 15:54	Kerri E Koch	55.56
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:35	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:36	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:37	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 09:16	Elizabeth J Marin	536.48
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:38	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB6-S-19-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822711
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:40 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP619

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.23	0.026	0.26	51.33
07360	Ethylbenzene	100-41-4	1.7	0.051	0.26	51.33
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.33
07360	Toluene	108-88-3	N.D.	0.051	0.26	51.33
07360	Xylene (Total)	1330-20-7	N.D.	0.051	0.26	51.33
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	93	22	22	538.79

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	Q093061AA	11/02/2009 16:17	Kerri E Koch	51.33
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:39	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:40	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:41	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 12:25	Elizabeth J Marin	538.79
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:42	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB6-S-22-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822712
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:48 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP622

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.001	0.0005	0.005	1.01
07360	Ethylbenzene	100-41-4	0.013	0.001	0.005	1.01
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.01
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	2.2	1.1	1.1	27.06

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 19:49	Emily R Styer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:44	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:44	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:45	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 01:04	Elizabeth J Marin	27.06
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:45	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB6-S-23.5-091028 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # SW 5822713
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/28/2009 10:50 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP623

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.03
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.61

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 20:11	Emily R Styer	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:47	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:48	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:48	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 01:42	Elizabeth J Marin	25.61
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:49	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB7-S-3-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822714
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 07:40 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP703

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.05
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.15

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 16:27	Emily R Styer	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:51	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:52	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:52	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 02:20	Elizabeth J Marin	25.15
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:53	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB7-S-6-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822715
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 08:10 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP706

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.0007	0.0005	0.005	0.94
07360	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.94
07360	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
07360	Xylene (Total)	1330-20-7	0.001	0.0009	0.005	0.94
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	1.1	26.46

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 16:49	Emily R Styer	0.94
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:55	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:54	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:55	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 02:58	Elizabeth J Marin	26.46
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:56	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB8-S-3-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822716
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 09:10 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP803

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
07360	Methyl Tertiary Butyl Ether	1634-04-4	0.002	0.0005	0.005	1.04
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.04
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.96

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 17:12	Emily R Styer	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:57	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 17:58	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 17:59	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 03:36	Elizabeth J Marin	25.96
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 17:59	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB8-S-5.5-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822717
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 09:30 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP805

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.023	0.0005	0.005	1.01
07360	Ethylbenzene	100-41-4	0.007	0.001	0.005	1.01
07360	Methyl Tertiary Butyl Ether	1634-04-4	0.006	0.0005	0.005	1.01
07360	Toluene	108-88-3	0.001	0.001	0.005	1.01
07360	Xylene (Total)	1330-20-7	0.004	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	7.6	1	1	24.56

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 20:34	Emily R Styer	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:00	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:01	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:02	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 04:14	Elizabeth J Marin	24.56
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:02	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB8-S-10-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822718
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 09:45 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.046	0.0005	0.005	0.97
07360	Ethylbenzene	100-41-4	0.024	0.001	0.005	0.97
07360	Methyl Tertiary Butyl Ether	1634-04-4	0.007	0.0005	0.005	0.97
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.97
07360	Xylene (Total)	1330-20-7	0.001	0.001	0.005	0.97
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.2	0.9	0.9	23.13

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 20:56	Emily R Styer	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:05	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:05	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:06	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 06:07	Elizabeth J Marin	23.13
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:06	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB8-S-12-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822719
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 09:55 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP812

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.032	0.0005	0.005	0.96
07360	Ethylbenzene	100-41-4	0.063	0.001	0.005	0.96
07360	Methyl Tertiary Butyl Ether	1634-04-4	0.002	0.0005	0.005	0.96
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.96
07360	Xylene (Total)	1330-20-7	0.001	0.001	0.005	0.96
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.9	1.1	1.1	27.72

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 21:23	Emily R Styer	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:07	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:08	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:08	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 06:45	Elizabeth J Marin	27.72
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:09	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB8-S-15-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822720
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 10:00 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.27	0.025	0.25	49.12
07360	Ethylbenzene	100-41-4	1.5	0.049	0.25	49.12
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	49.12
07360	Toluene	108-88-3	N.D.	0.049	0.25	49.12
07360	Xylene (Total)	1330-20-7	N.D.	0.049	0.25	49.12
	The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	230	110	110	2756.34

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	Q093061AA	11/02/2009 16:39	Kerri E Koch	49.12
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:10	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:11	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:11	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 10:32	Elizabeth J Marin	2756.34
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:12	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB8-S-18-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822721
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 10:05 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP818

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.99
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.46

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093062AA	11/03/2009 07:18	Nicholas P Riehl	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:13	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:14	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:14	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 07:22	Elizabeth J Marin	24.46
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:15	Justin M Bowers	n.a.

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Analysis Report

Sample Description: SB8-S-21-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822722
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 10:10 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP821

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.97
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.97
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.46

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093062AA	11/03/2009 06:56	Nicholas P Riehl	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:16	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:17	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:17	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 08:00	Elizabeth J Marin	25.46
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:18	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB8-S-23.5-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB8

LLI Sample # SW 5822723
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 10:12 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP823

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	1
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
07360	Toluene	108-88-3	N.D.	0.001	0.005	1
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	1.1	26.8

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 17:57	Emily R Styer	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:20	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:20	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:21	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 08:38	Elizabeth J Marin	26.8
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:22	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB7-S-9-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822724
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:25 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP709

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.055	0.0005	0.005	1.07
07360	Ethylbenzene	100-41-4	0.047	0.001	0.005	1.07
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.07
07360	Toluene	108-88-3	0.002	0.001	0.005	1.07
07360	Xylene (Total)	1330-20-7	0.011	0.001	0.005	1.07
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	34	9.3	9.3	233.43

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	A093081AA	11/04/2009 03:28	Stephanie A Selis	1.07
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:25	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:26	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:27	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 11:10	Elizabeth J Marin	233.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:28	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB7-S-12-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822725
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:32 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP712

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.011	0.0005	0.005	1.04
07360	Ethylbenzene	100-41-4	0.033	0.001	0.005	1.04
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
07360	Toluene	108-88-3	N.D.	0.001	0.005	1.04
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	37	20	20	510.2

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	A093071AA	11/03/2009 22:30	Kristen D Pelliccia	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:29	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:30	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:31	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09306A16A	11/03/2009 11:48	Elizabeth J Marin	510.2
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:32	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB7-S-15-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822726
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:36 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.17	0.024	0.24	48.83
07360	Ethylbenzene	100-41-4	1.0	0.049	0.24	48.83
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	48.83
07360	Toluene	108-88-3	N.D.	0.049	0.24	48.83
07360	Xylene (Total)	1330-20-7	N.D.	0.049	0.24	48.83
	The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	190	98	98	2439.02

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	Q093061AA	11/02/2009 17:47	Kerri E Koch	48.83
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:33	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:34	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:34	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09302A31B	11/03/2009 19:12	Marie D John	2439.02
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:35	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB7-S-18-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822727
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:40 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP718

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	3.4	0.026	0.26	51.33
07360	Ethylbenzene	100-41-4	14	0.051	0.26	51.33
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.33
07360	Toluene	108-88-3	N.D.	0.051	0.26	51.33
07360	Xylene (Total)	1330-20-7	4.8	0.051	0.26	51.33
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	730	370	370	9363.3

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	Q093061AA	11/02/2009 18:10	Kerri E Koch	51.33
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:37	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:38	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:39	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09302A31B	11/03/2009 19:48	Marie D John	9363.3
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:40	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB7-S-21-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822728
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:43 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HP721

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	0.014	0.0005	0.005	0.99
07360	Ethylbenzene	100-41-4	0.096	0.001	0.005	0.99
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.99
07360	Xylene (Total)	1330-20-7	0.023	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.0	1.1	1.1	26.8

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 18:19	Emily R Styer	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:42	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:43	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:44	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09302A31B	11/03/2009 16:10	Marie D John	26.8
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:45	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB7-S-23.5-091029 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # SW 5822729
LLI Group # 1168952
CA

Project Name: 90917

Collected: 10/29/2009 15:46 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

H-723

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07360	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
07360	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
07360	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
07360	Toluene	108-88-3	N.D.	0.001	0.005	0.99
07360	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	1.1	26.43

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	B093061AA	11/02/2009 18:42	Emily R Styer	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:47	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	200930419679	10/31/2009 18:48	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	200930419679	10/31/2009 18:48	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	09302A31B	11/03/2009 16:46	Marie D John	26.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930419679	10/31/2009 18:50	Justin M Bowers	n.a.

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168952
Reported: 11/04/09 at 03:56 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A093071AA	Sample number(s): 5822725								
Benzene	N.D.	0.0005	0.005	mg/kg	99		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	102		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	113		74-121		
Toluene	N.D.	0.001	0.005	mg/kg	98		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	100		80-120		
Batch number: A093081AA	Sample number(s): 5822724								
Benzene	N.D.	0.0005	0.005	mg/kg	98		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	96		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	108		74-121		
Toluene	N.D.	0.001	0.005	mg/kg	96		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	95		80-120		
Batch number: B093061AA	Sample number(s): 5822706-5822709,5822712-5822719,5822723,5822728-5822729								
Benzene	N.D.	0.0005	0.005	mg/kg	99	88	80-120	12	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	96	84	80-120	13	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	95	88	74-121	7	30
Toluene	N.D.	0.001	0.005	mg/kg	95	85	80-120	11	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	94	84	80-120	12	30
Batch number: B093062AA	Sample number(s): 5822721-5822722								
Benzene	N.D.	0.0005	0.005	mg/kg	97	96	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	93	91	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	93	97	74-121	4	30
Toluene	N.D.	0.001	0.005	mg/kg	92	91	80-120	1	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	92	90	80-120	2	30
Batch number: Q093061AA	Sample number(s): 5822710-5822711,5822720,5822726-5822727								
Benzene	N.D.	0.025	0.25	mg/kg	98	102	80-120	3	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	96	99	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	97	100	74-121	3	30
Toluene	N.D.	0.050	0.25	mg/kg	97	101	80-120	4	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	98	101	80-120	3	30
Batch number: 09302A31B	Sample number(s): 5822726-5822729								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	89	88	67-119	1	30
Batch number: 09306A16A	Sample number(s): 5822706-5822725								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	92	95	67-119	2	30

Sample Matrix Quality Control

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168952
Reported: 11/04/09 at 03:56 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A093071AA	Sample number(s): 5822725 UNSPK: P821722								
Benzene	100	99	55-143	1	30				
Ethylbenzene	100	96	44-141	3	30				
Methyl Tertiary Butyl Ether	107	108	55-129	2	30				
Toluene	101	98	50-146	2	30				
Xylene (Total)	96	92	44-136	3	30				
Batch number: A093081AA	Sample number(s): 5822724 UNSPK: P823026								
Benzene	102	100	55-143	0	30				
Ethylbenzene	101	97	44-141	1	30				
Methyl Tertiary Butyl Ether	98	99	55-129	3	30				
Toluene	105	102	50-146	1	30				
Xylene (Total)	98	94	44-136	1	30				
Batch number: B093061AA	Sample number(s): 5822706-5822709,5822712-5822719,5822723,5822728-5822729 UNSPK: 5822706								
Benzene	101		55-143						
Ethylbenzene	91		44-141						
Methyl Tertiary Butyl Ether	98		55-129						
Toluene	93		50-146						
Xylene (Total)	89		44-136						
Batch number: B093062AA	Sample number(s): 5822721-5822722 UNSPK: P820436								
Benzene	112		55-143						
Ethylbenzene	108		44-141						
Methyl Tertiary Butyl Ether	101		55-129						
Toluene	106		50-146						
Xylene (Total)	106		44-136						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX+MTBE by 8260B
Batch number: A093071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822725	85	83	97	90
Blank	90	91	89	88
LCS	92	93	90	93
MS	92	88	91	90
MSD	92	90	91	90
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B
Batch number: A093081AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822724	87	85	107	85

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168952
Reported: 11/04/09 at 03:56 PM

Surrogate Quality Control

Blank	89	90	87	84
LCS	90	91	89	89
MS	89	89	93	83
MSD	89	89	93	82
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B
Batch number: B093061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822706	101	99	99	90
5822707	102	104	98	91
5822708	100	96	99	87
5822709	99	97	100	91
5822712	100	99	101	90
5822713	102	106	98	90
5822714	101	100	101	87
5822715	100	98	103	85
5822716	101	99	102	85
5822717	102	102	100	92
5822718	101	99	103	92
5822719	98	97	101	92
5822723	99	97	100	87
5822728	97	95	101	91
5822729	101	103	99	89
Blank	98	96	99	89
LCS	100	101	101	95
LCSD	101	98	101	94
MS	102	101	100	95
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B
Batch number: B093062AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822721	103	104	99	88
5822722	99	96	101	86
Blank	99	99	99	89
LCS	101	100	101	93
LCSD	101	99	100	93
MS	100	100	101	92
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B
Batch number: Q093061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822710	81	86	82	82
5822711	79	83	79	80
5822720	78	84	79	80
5822726	84	88	85	84
5822727	81	81	84	81
Blank	97	102	96	93
LCS	89	90	85	85
LCSD	91	92	88	87

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168952
Reported: 11/04/09 at 03:56 PM

Surrogate Quality Control

Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 09302A31B

	Trifluorotoluene-F
5822726	6*
5822727	0*
5822728	76
5822729	74
Blank	84
LCS	81
LCSD	85
Limits:	61-122

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 09306A16A

	Trifluorotoluene-F
5822706	78
5822707	74
5822708	73
5822709	75
5822710	4*
5822711	5*
5822712	73
5822713	72
5822714	74
5822715	73
5822716	77
5822717	78
5822718	71
5822719	70
5822720	1*
5822721	72
5822722	68
5822723	68
5822724	10*
5822725	4*
Blank	82
LCS	72
LCSD	76
Limits:	61-122

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 5822706-29 SCR#: 248723

1036691 P.20F3

C# 1168952

Facility #: 9-0917 (AIL)
Site Address: 5280 HOPYARD RD., PLEASANTON, CALIFORNIA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB6	SOIL	NO	3	2009 10 28	0915	YES	X		1	X	X				
SB6			7.5		1000										
SB6			11.5		1020										
SB6			12.5		1020										
SB6			15.5		1030										
SB6			19		1040										
SB6			22		1048										
SB6			23.5		1050										

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE EMAIL RESULTS TO:
cevans
ihull
AND EDF DATA TO
dohare
ALL @craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour (48 hour)
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	10/28/09	1602	Received by: SECURE LOCATION		
Relinquished by: BEELEY YIFRU	10-30-09	9:45	Received by:	30 OCT 09	11:00
Relinquished by:	10/30/09	1615	Received by: FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/31/09	1000
Temperature Upon Receipt 19.4 C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

10309-01 P.1 of 3

Acct. #: 10880 | For Lancaster Laboratories use only Sample #: 5822706-29 | SCR#: 248727

C# 1168952

Facility #: 9-0917 (AIL)
Site Address: 5280 HOPYARD RD., PLEASANTON, CALIFORNIA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	___ Oxygenates	Lead 7420 ☐ 7421 ☐
SB7	SOIL	NO	3	2009/10/29	0740	YES	X		1	X	X				
SB7			6		0810										
SB8			3		0910										
SB8			5.5		0930										
SB8			10		0945										
SB8			12		0955										
SB8			15		1000										
SB8			18		1005										
SB8			21		1010										
SB8			23.5		1012										
SB7			9		1525										
SB7			12		1532										

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE EMAIL RESULTS TO
- cevans
- ihull

AND EDF DATA TO:
- dohare

ALL @craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I – Full
Type VI (Raw Data) | ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	10/29/2009	2030	Received by: SECURE LOCATION		
Relinquished by: BELEW YIFRU	10/30/09	10:45	Received by: A. Sakyan	30 OCT 09	1146
Relinquished by:	10/30/09	1615	Received by: FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:		
Temperature Upon Receipt 1.3-4.4 C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

(63869-H P.30F3

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5822706-29 SCR#:

248728

C#1168952

Facility #: 9-0917 (AIL)
Site Address: 5280 HOPYARD ROAD, PLEASANTON, CALIFORNIA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB7	SOIL	NO	15	2009 10 29	1536	YES	X		1	X	X				
SB7	"	"	18	"	1540	"	"		"	"	"				
SB7	"	"	21	"	1543	"	"		"	"	"				
SB7	"	"	23.5	"	1546	"	"		"	"	"				

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
EMAIL RESULTS TO
- cevans
- ihull

AND EDF DATA TO
- dohare

ALL @craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	10/29/2009	2040	Received by: SECURE LOCATION		
Relinquished by: BELEW YIFRU	10-30-09	1045	Received by:	30 OCT 09	1100
Relinquished by:	10/30/09	1845	Received by: FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/31/09	1000
Temperature Upon Receipt 1.3-4.0 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

November 04, 2009

Project: 90917

Samples arrived at the laboratory on Saturday, October 31, 2009. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1168953.

Client Sample Description	Lancaster Labs (LLI) #
SB6-W-091028 Grab Water	5822730
SB7-W-091029 Grab Water	5822731

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB6-W-091028 Grab Water
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB6

LLI Sample # WW 5822730
LLI Group # 1168953
CA

Project Name: 90917

Collected: 10/28/2009 13:10 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HRP06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
06054	Benzene	71-43-2	33	0.5	1	1
06054	Ethylbenzene	100-41-4	16	0.5	1	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06054	Toluene	108-88-3	N.D.	0.5	1	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	620	50	100	1

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	F093074AA	11/04/2009 01:30	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093074AA	11/04/2009 01:30	Kelly E Brickley	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09306C20A	11/03/2009 06:55	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09306C20A	11/03/2009 06:55	Matthew S Woods	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: SB7-W-091029 Grab Water
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 SB7

LLI Sample # WW 5822731
LLI Group # 1168953
CA

Project Name: 90917

Collected: 10/29/2009 16:50 by BY

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/04/2009 at 15:56
Discard: 12/05/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HRP07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
06054	Benzene	71-43-2	25	0.5	1	1
06054	Ethylbenzene	100-41-4	25	0.5	1	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06054	Toluene	108-88-3	6	0.5	1	1
06054	Xylene (Total)	1330-20-7	6	0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,400	50	100	1

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	F093074AA	11/04/2009 01:52	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093074AA	11/04/2009 01:52	Kelly E Brickley	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09306C20A	11/03/2009 07:38	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09306C20A	11/03/2009 07:38	Matthew S Woods	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168953
Reported: 11/04/09 at 03:56 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F093074AA	Sample number(s): 5822730-5822731								
Benzene	N.D.	0.5	1	ug/l	93		79-120		
Ethylbenzene	N.D.	0.5	1	ug/l	90		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	88		76-120		
Toluene	N.D.	0.5	1	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	93		80-120		
Batch number: 09306C20A	Sample number(s): 5822730-5822731								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	127	127	75-135	0	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: F093074AA	Sample number(s): 5822730-5822731 UNSPK: P822823								
Benzene	101	102	80-126	1	30				
Ethylbenzene	103	104	71-134	1	30				
Methyl Tertiary Butyl Ether	97	98	72-126	1	30				
Toluene	105	104	80-125	1	30				
Xylene (Total)	104	104	79-125	0	30				
Batch number: 09306C20A	Sample number(s): 5822730-5822731 UNSPK: P820421								
TPH-GRO N. CA water C6-C12	127		63-154						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX+MTBE by 8260B
Batch number: F093074AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5822730	97	101	102	104
5822731	97	100	101	104
Blank	96	99	97	100
LCS	101	102	101	109
MS	99	102	101	111

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168953
Reported: 11/04/09 at 03:56 PM

Surrogate Quality Control

MSD	102	103	102	111
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09306C20A

	Trifluorotoluene-F
5822730	81
5822731	86
Blank	71
LCS	102
LCSD	112
MS	100
Limits:	63-135

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5822730-31 SCR#:

248724

10639-02 P.2 OF 2

C# 11689953

Facility #: 9-0917 (AIL)
Site Address: 5280 HOPYARD ROAD, PLEASANTON, CA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB6	W	NO	9	2009/10/28	1310	YES	X		6	X	X				

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE EMAIL RESULTS TO:
cevans and ihull
EDF DATA TO dohare
ALL @craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour (48 hour)
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	10/28/09	1600	Received by: SECURE LOCATION		
Relinquished by: BELOW / FRU	10-30-09	1045	Received by:	30Oct09	1145
Relinquished by:	10/30/09	1645	Received by: FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/31/09	1010
Temperature Upon Receipt 1.3-4.0 C°			Custody Seals Intact? (Yes) No		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

10369-02 P.1 OF 2

Acct. #: 10880 | For Lancaster Laboratories use only Sample #: 5822730-31 | SCR#: 248731

C# 1168953

Facility #: 9-0917 (AIL)
Site Address: 5280 HOPYARD RD., PLEASANTON, CALIFORNIA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: B. YIFRU
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB7	W	NO	9	20091029	1650	YES	X		6	X	X				

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
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☐ Run ____ oxy's on highest hit
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Comments / Remarks
EMAIL RESULTS TO
cevans
jhull
AND EDF DATA TO
dohare
ALL @craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour (48 hour)
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1		10/29/2009	2040	SECURE LOCATION		
2	BELEW YIFRU	10-30-09	1045	A. Salazar	30 OCT 09	1146
3		10/31/09	1445			
	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
					11/3/09	1500

Temperature Upon Receipt 1.3 +4.0 C° Custody Seals Intact? Yes No

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

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D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
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N	Spike amount not within control limits
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APPENDIX G

ANALYTICAL REPORTS FOR SOIL VAPOR

11/4/2009
Ms. Charlotte Evans
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 9-0917
Project #: 060057
Workorder #: 0910739B

Dear Ms. Charlotte Evans

The following report includes the data for the above referenced project for sample(s) received on 10/31/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910739B

Work Order Summary

CLIENT:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	40-4025575
FAX:	510-420-9170	**PROJECT #**	060057 Chevron 9-0917
DATE RECEIVED:	10/31/2009	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	11/04/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SB6-6 (2919)	Modified ASTM D-1946	4.5 "Hg	15.0 psi
02A	SB6-6 (3315)	Modified ASTM D-1946	3.5 "Hg	15.0 psi
03A	SB8-6 (6356	Modified ASTM D-1946	4.8 "Hg	15.0 psi
04A	SB8-6 (2868)	Modified ASTM D-1946	5.1 "Hg	15.0 psi
05A	SB8-6 DUP (3179)	Modified ASTM D-1946	4.9 "Hg	15.0 psi
06A	SB8-6 DUP (3165)	Modified ASTM D-1946	5.1 "Hg	15.0 psi
07A	SB9-6 (3190)	Modified ASTM D-1946	4.5 "Hg	15.0 psi
08A	SB9-6 (2915)	Modified ASTM D-1946	4.7 "Hg	15.0 psi
09A	TRIP BLANK	Modified ASTM D-1946	28.9 "Hg	15.0 psi
09AA	TRIP BLANK Lab Duplicate	Modified ASTM D-1946	28.9 "Hg	15.0 psi
10A	Lab Blank	Modified ASTM D-1946	NA	NA
10B	Lab Blank	Modified ASTM D-1946	NA	NA
11A	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 11/04/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 0910739B

Nine PAC250 Canister samples were received on October 31, 2009. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

Sample identifications on the Chain of Custody (COC) were not unique. The canister numbers were added to each of the sample identifications to ensure uniqueness.

Analytical Notes

The trip blank sample TRIP BLANK has a reportable level of Oxygen.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SB6-6 (2919)

Lab ID#: 0910739B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Carbon Dioxide	0.024	2.0

Client Sample ID: SB6-6 (3315)

Lab ID#: 0910739B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	20
Carbon Dioxide	0.023	2.0

Client Sample ID: SB8-6 (6356

Lab ID#: 0910739B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.6
Methane	0.00024	38
Carbon Dioxide	0.024	11

Client Sample ID: SB8-6 (2868)

Lab ID#: 0910739B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.1
Methane	0.00024	40
Carbon Dioxide	0.024	12

Client Sample ID: SB8-6 DUP (3179)

Lab ID#: 0910739B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.8
Methane	0.00024	38
Carbon Dioxide	0.024	11

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SB8-6 DUP (3165)

Lab ID#: 0910739B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.6
Methane	0.00024	37
Carbon Dioxide	0.024	11
Helium	0.12	1.8

Client Sample ID: SB9-6 (3190)

Lab ID#: 0910739B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Methane	0.00024	0.054
Carbon Dioxide	0.024	0.32

Client Sample ID: SB9-6 (2915)

Lab ID#: 0910739B-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Methane	0.00024	0.054
Carbon Dioxide	0.024	0.31

Client Sample ID: TRIP BLANK

Lab ID#: 0910739B-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.16

Client Sample ID: TRIP BLANK Lab Duplicate

Lab ID#: 0910739B-09AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.16

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB6-6 (2919)

Lab ID#: 0910739B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110314**	**Date of Collection: 10/29/09 3:06:00 PM**	
Dil. Factor:	**2.38**	**Date of Analysis: 11/3/09 04:58 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	20
Methane	0.00024	Not Detected
Carbon Dioxide	0.024	2.0
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB6-6 (3315)

Lab ID#: 0910739B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110315**	**Date of Collection: 10/29/09 3:06:00 PM**	
Dil. Factor:	**2.29**	**Date of Analysis: 11/3/09 05:22 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	20
Methane	0.00023	Not Detected
Carbon Dioxide	0.023	2.0
Helium	0.11	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 (6356

Lab ID#: 0910739B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110316**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 11/3/09 05:55 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	6.6
Methane	0.00024	38
Carbon Dioxide	0.024	11
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 (2868)

Lab ID#: 0910739B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110317**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**2.43**	**Date of Analysis: 11/3/09 06:23 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	6.1
Methane	0.00024	40
Carbon Dioxide	0.024	12
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 DUP (3179)

Lab ID#: 0910739B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110318**	**Date of Collection:**	**10/29/09 7:12:00 PM**
Dil. Factor:	**2.41**	**Date of Analysis:**	**11/3/09 06:46 PM**

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	6.8
Methane	0.00024	38
Carbon Dioxide	0.024	11
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 DUP (3165)

Lab ID#: 0910739B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110319**	**Date of Collection:**	**10/29/09 7:12:00 PM**
Dil. Factor:	**2.43**	**Date of Analysis:**	**11/3/09 07:17 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.6
Methane	0.00024	37
Carbon Dioxide	0.024	11
Helium	0.12	1.8

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB9-6 (3190)

Lab ID#: 0910739B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110320**	**Date of Collection:**	**10/29/09 5:25:00 PM**
Dil. Factor:	**2.38**	**Date of Analysis:**	**11/3/09 07:46 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Methane	0.00024	0.054
Carbon Dioxide	0.024	0.32
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB9-6 (2915)

Lab ID#: 0910739B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110321**	**Date of Collection:**	**10/29/09 5:25:00 PM**
Dil. Factor:	**2.40**	**Date of Analysis:**	**11/3/09 08:09 PM**

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Methane	0.00024	0.054
Carbon Dioxide	0.024	0.31
Helium	0.12	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK

Lab ID#: 0910739B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110322**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 09:00 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	0.16
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Helium	0.050	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK Lab Duplicate

Lab ID#: 0910739B-09AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110323**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 09:35 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.16
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected
Helium	0.050	Not Detected

Container Type: PAC250 Canister

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910739B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110313**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 04:31 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910739B-10B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110312b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 04:08 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910739B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9110328**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 11:51 PM**	

Compound	%Recovery
Oxygen	100
Methane	102
Carbon Dioxide	101
Helium	104

Container Type: NA - Not Applicable

Air Toxics LTD.
Laboratory Services Since 1989

11/4/2009
Ms. Charlotte Evans
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: Chevron 9-0917
Project #: 060057
Workorder #: 0910739A

Dear Ms. Charlotte Evans

The following report includes the data for the above referenced project for sample(s) received on 10/31/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0910739A

Work Order Summary

CLIENT:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	40-4025575
FAX:	510-420-9170	**PROJECT #**	060057 Chevron 9-0917
DATE RECEIVED:	10/31/2009	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	11/04/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SB6-6 (2919)	Modified TO-15 (5&20 ppbv	4.5 "Hg	15.0 psi
02A(cancelled)	SB6-6 (3315)	Modified TO-15 (5&20 ppbv	3.5 "Hg	15.0 psi
03A	SB8-6 (6356	Modified TO-15 (5&20 ppbv	4.8 "Hg	15.0 psi
04A(cancelled)	SB8-6 (2868)	Modified TO-15 (5&20 ppbv	5.1 "Hg	15.0 psi
05A	SB8-6 DUP (3179)	Modified TO-15 (5&20 ppbv	4.9 "Hg	15.0 psi
06A(cancelled)	SB8-6 DUP (3165)	Modified TO-15 (5&20 ppbv	5.1 "Hg	15.0 psi
07A	SB9-6 (3190)	Modified TO-15 (5&20 ppbv	4.5 "Hg	15.0 psi
08A(cancelled)	SB9-6 (2915)	Modified TO-15 (5&20 ppbv	4.7 "Hg	15.0 psi
08AA(cancelled)	SB9-6 (2915) Lab Duplicate	Modified TO-15 (5&20 ppbv	4.7 "Hg	15.0 psi
09A	TRIP BLANK	Modified TO-15 (5&20 ppbv	28.9 "Hg	15.0 psi
10A	Lab Blank	Modified TO-15 (5&20 ppbv	NA	NA
11A	CCV	Modified TO-15 (5&20 ppbv	NA	NA
12A	LCS	Modified TO-15 (5&20 ppbv	NA	NA

CERTIFIED BY: Linda J. Fruman DATE: 11/04/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 Soil Gas
Conestoga-Rovers Associates (CRA)
Workorder# 0910739A

Nine PAC250 Canister samples were received on October 31, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample identifications on the Chain of Custody (COC) were not unique. The canister numbers were added to each of the sample identifications to ensure uniqueness.

Samples SB6-6 (3315), SB8-6 (2868), SB8-6 DUP (3165) and SB9-6 (2915) were cancelled on 11/4/09 per client's request.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: SB6-6 (2919)

Lab ID#: 0910739A-01A

No Detections Were Found.

Client Sample ID: SB8-6 (6356

Lab ID#: 0910739A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	7100	3800	23000
TPH ref. to Gasoline (MW=100)	24000	31000000	98000	130000000

Client Sample ID: SB8-6 DUP (3179)

Lab ID#: 0910739A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	7000	3800	22000
TPH ref. to Gasoline (MW=100)	24000	30000000	98000	120000000

Client Sample ID: SB9-6 (3190)

Lab ID#: 0910739A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	12	60	38	190
Toluene	12	33	45	120
Ethyl Benzene	12	120	52	500
m,p-Xylene	12	16	52	71
TPH ref. to Gasoline (MW=100)	240	65000	970	260000
Naphthalene	48	80	250	420

Client Sample ID: TRIP BLANK

Lab ID#: 0910739A-09A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB6-6 (2919)

Lab ID#: 0910739A-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110336**	**Date of Collection: 10/29/09 3:06:00 PM**	
Dil. Factor:	**2.38**	**Date of Analysis: 11/3/09 11:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	12	Not Detected	43	Not Detected
Benzene	12	Not Detected	38	Not Detected
Toluene	12	Not Detected	45	Not Detected
Ethyl Benzene	12	Not Detected	52	Not Detected
m,p-Xylene	12	Not Detected	52	Not Detected
o-Xylene	12	Not Detected	52	Not Detected
TPH ref. to Gasoline (MW=100)	240	Not Detected	970	Not Detected
Naphthalene	48	Not Detected	250	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 (6356

Lab ID#: 0910739A-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110347**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**240**	**Date of Analysis: 11/4/09 11:07 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1200	Not Detected	4300	Not Detected
Benzene	1200	7100	3800	23000
Toluene	1200	Not Detected	4500	Not Detected
Ethyl Benzene	1200	Not Detected	5200	Not Detected
m,p-Xylene	1200	Not Detected	5200	Not Detected
o-Xylene	1200	Not Detected	5200	Not Detected
TPH ref. to Gasoline (MW=100)	24000	31000000	98000	130000000
Naphthalene	4800	Not Detected	25000	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB8-6 DUP (3179)

Lab ID#: 0910739A-05A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110350**	**Date of Collection:**	**10/29/09 7:12:00 PM**
Dil. Factor:	**241**	**Date of Analysis:**	**11/4/09 01:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	1200	Not Detected	4300	Not Detected
Benzene	1200	7000	3800	22000
Toluene	1200	Not Detected	4500	Not Detected
Ethyl Benzene	1200	Not Detected	5200	Not Detected
m,p-Xylene	1200	Not Detected	5200	Not Detected
o-Xylene	1200	Not Detected	5200	Not Detected
TPH ref. to Gasoline (MW=100)	24000	30000000	98000	120000000
Naphthalene	4800	Not Detected	25000	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SB9-6 (3190)

Lab ID#: 0910739A-07A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110346**	**Date of Collection: 10/29/09 5:25:00 PM**	
Dil. Factor:	**2.38**	**Date of Analysis: 11/4/09 10:24 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	12	Not Detected	43	Not Detected
Benzene	12	60	38	190
Toluene	12	33	45	120
Ethyl Benzene	12	120	52	500
m,p-Xylene	12	16	52	71
o-Xylene	12	Not Detected	52	Not Detected
TPH ref. to Gasoline (MW=100)	240	65000	970	260000
Naphthalene	48	80	250	420

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: TRIP BLANK

Lab ID#: 0910739A-09A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110341**	**Date of Collection: 10/29/09 7:12:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/4/09 08:09 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
TPH ref. to Gasoline (MW=100)	100	Not Detected	410	Not Detected
Naphthalene	20	Not Detected	100	Not Detected

Container Type: PAC250 Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0910739A-10A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110329**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 07:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
TPH ref. to Gasoline (MW=100)	100	Not Detected	410	Not Detected
Naphthalene	20	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0910739A-11A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110326**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 06:07 PM**	

Compound	%Recovery
Methyl tert-butyl ether	111
Benzene	100
Toluene	96
Ethyl Benzene	100
m,p-Xylene	101
o-Xylene	100
TPH ref. to Gasoline (MW=100)	107
Naphthalene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0910739A-12A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b110327**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/3/09 06:42 PM**	

Compound	%Recovery
Methyl tert-butyl ether	121
Benzene	107
Toluene	106
Ethyl Benzene	101
m,p-Xylene	102
o-Xylene	102
TPH ref. to Gasoline (MW=100)	Not Spiked
Naphthalene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager CHARLOTTE EVANS
Collected by: (Print and Sign) IAN HULL
Company CRA Email cevans@craworld.com
Address 5900 HOLLIS ST., STE A City EMERYVILLE State CA Zip 94608
Phone 510-420-3351 Fax 510-420-9170

Project Info:
P.O. # 40-4025575
Project # 060057
Project Name CHEVRON 9-0917

Turn Around Time:
☐ Normal
☒ Rush 48 Hr
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	SB6-6	2919	10/29/2009	1506	FOR ALL*:	-29.5	-5		
02A	SB6-6	3315	10/29/2009	1506	TO-15: TPHg, BTEX,	<-30	-5		
03A	SB8-6	6356	10/29/2009	1912	MTBE, NAPHTHALENE	-29	-5.5		
04A	SB8-6	2868	10/29/2009	1912	ASTM D-1946:	-29	-5		
05A	SB8-6 DUP	3179	10/29/2009	1912	O_2, CO_2, CH_4,	<-30	-9		
06A	SB8-6 DUP	3165	10/29/2009	1912	HELIUM	-29	-6		
07A	SB9-6	3190	10/29/2009	1725		-29	-5		
08A	SB9-6	2915	10/29/2009	1725		-30	-5		
09	TRIP BLANK	5355	10/29/2009	1912		<-30	—		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Ian Hull	10/29/2009 2040	SECURE LOCATION	
Ian Hull	10/30/2009 0900	FEDEX	
			10/31/09 930

Notes:
- PLEASE REPORT RESULTS IN ppbv and $\mu g/m^3$
- ALSO E-MAIL RESULTS TO ihull@craworld.com

Lab Use Only

Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
Fedex		NA	good	Yes No (None)	0910739

Form 1293 rev.11

APPENDIX H

ANALYTICAL REPORTS FOR EXCAVATION SAMPLING

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

March 09, 2010

Project: 90917

Samples arrived at the laboratory on Friday, February 26, 2010. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1183948.

Client Sample Description	Lancaster Labs (LLI) #
EX-1-S-6.5-100224 Grab Soil	5915486
EX-2-S-5.5-100224 Grab Soil	5915487
EX-3-S-5.5-100224 Grab Soil	5915488
EX-4-S-6-100224 Grab Soil	5915489

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Dan Glaze

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Tracy A. Cole
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: EX-1-S-6.5-100224 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 EX-1

LLI Sample # SW 5915486
LLI Group # 1183948
CA

Project Name: 90917

Collected: 02/24/2010 11:35 by JS

Account Number: 10880

Submitted: 02/26/2010 11:30
Reported: 03/09/2010 at 14:41
Discard: 04/09/2010

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPE1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07361	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.09
07361	Benzene	71-43-2	N.D.	0.0005	0.005	1.09
07361	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	1.09
07361	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.09
07361	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.09
07361	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.09
07361	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.09
07361	Toluene	108-88-3	N.D.	0.001	0.005	1.09
07361	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.09
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	1.1	1.1	27.06
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	A100601AA	03/01/2010 19:12	Chelsea B Eastep	1.09
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:29	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201005820517	02/27/2010 14:29	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:30	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10054A31C	03/04/2010 18:05	Elizabeth J Marin	27.06
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201005820517	02/27/2010 14:31	Justin M Bowers	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	2	201005820517	02/27/2010 14:32	Justin M Bowers	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	3	201005820517	02/27/2010 14:33	Justin M Bowers	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	4	201005820517	02/27/2010 14:34	Justin M Bowers	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	5	201005820517	02/27/2010 14:35	Justin M Bowers	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	100580005A	03/02/2010 23:26	Melissa McDermott	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	100580005A	02/28/2010 20:00	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: EX-2-S-5.5-100224 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 EX-2

LLI Sample # SW 5915487
LLI Group # 1183948
CA

Project Name: 90917

Collected: 02/24/2010 11:50 by JS

Account Number: 10880

Submitted: 02/26/2010 11:30
Reported: 03/09/2010 at 14:41
Discard: 04/09/2010

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPE2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07361	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.03
07361	Benzene	71-43-2	0.007	0.0005	0.005	1.03
07361	t-Butyl alcohol	75-65-0	N.D.	0.021	0.10	1.03
07361	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.03
07361	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
07361	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.03
07361	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
07361	Toluene	108-88-3	N.D.	0.001	0.005	1.03
07361	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.3	1.1	1.1	27.09
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	A100601AA	03/01/2010 19:35	Chelsea B Eastep	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:43	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201005820517	02/27/2010 14:44	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:45	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10054A31C	03/04/2010 18:42	Elizabeth J Marin	27.09
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201005820517	02/27/2010 14:45	Justin M Bowers	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	100610004A	03/03/2010 23:21	Melissa McDermott	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	100610004A	03/02/2010 14:00	Doreen K Robles	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: EX-3-S-5.5-100224 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 EX-3

LLI Sample # SW 5915488
LLI Group # 1183948
CA

Project Name: 90917

Collected: 02/24/2010 11:55 by JS

Submitted: 02/26/2010 11:30
Reported: 03/09/2010 at 14:41
Discard: 04/09/2010

Account Number: 10880

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPE3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07361	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.07
07361	Benzene	71-43-2	0.006	0.0005	0.005	1.07
07361	t-Butyl alcohol	75-65-0	N.D.	0.021	0.11	1.07
07361	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.07
07361	Ethylbenzene	100-41-4	0.001	0.001	0.005	1.07
07361	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.07
07361	Methyl Tertiary Butyl Ether	1634-04-4	0.004	0.0005	0.005	1.07
07361	Toluene	108-88-3	N.D.	0.001	0.005	1.07
07361	Xylene (Total)	1330-20-7	0.002	0.001	0.005	1.07
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	4.5	1.0	1.0	25.43
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	A100601AA	03/01/2010 19:57	Chelsea B Eastep	1.07
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:48	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201005820517	02/27/2010 14:49	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:49	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10054A31C	03/04/2010 19:18	Elizabeth J Marin	25.43
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201005820517	02/27/2010 14:50	Justin M Bowers	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	2	100630018A	03/05/2010 17:06	Dustin A Underkoffler	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	100630018A	03/04/2010 23:00	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: EX-4-S-6-100224 Grab Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 EX-4

LLI Sample # SW 5915489
LLI Group # 1183948
CA

Project Name: 90917

Collected: 02/24/2010 12:15 by JS

Account Number: 10880

Submitted: 02/26/2010 11:30
Reported: 03/09/2010 at 14:41
Discard: 04/09/2010

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPE4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
07361	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	1.01
07361	Benzene	71-43-2	0.56	0.026	0.26	51.65
07361	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	1.01
07361	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	1.01
07361	Ethylbenzene	100-41-4	0.099	0.001	0.005	1.01
07361	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	1.01
07361	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
07361	Toluene	108-88-3	0.005	0.001	0.005	1.01
07361	Xylene (Total)	1330-20-7	0.11	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	19	4.3	4.3	107.87
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	A100601AA	03/01/2010 20:19	Chelsea B Eastep	1.01
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	R100611AA	03/02/2010 15:25	Kerri E Koch	51.65
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:52	Justin M Bowers	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201005820517	02/27/2010 14:53	Justin M Bowers	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201005820517	02/27/2010 14:54	Justin M Bowers	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10054A31C	03/04/2010 19:54	Elizabeth J Marin	107.87
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201005820517	02/27/2010 14:55	Justin M Bowers	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	100580005A	03/03/2010 00:32	Melissa McDermott	1
07004	Extraction - DRO (Soils)	SW-846 3550B	1	100580005A	02/28/2010 20:00	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1183948
Reported: 03/09/10 at 02:41 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A100601AA	Sample number(s): 5915486-5915489								
t-Amyl methyl ether	N.D.	0.001	0.005	mg/kg	95	96	69-124	0	30
Benzene	N.D.	0.0005	0.005	mg/kg	106	100	80-120	5	30
t-Butyl alcohol	N.D.	0.020	0.10	mg/kg	78	80	71-122	2	30
Ethyl t-butyl ether	N.D.	0.001	0.005	mg/kg	90	90	70-122	0	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	102	96	80-120	6	30
di-Isopropyl ether	N.D.	0.001	0.005	mg/kg	86	84	73-121	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	96	98	74-121	2	30
Toluene	N.D.	0.001	0.005	mg/kg	102	97	80-120	5	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	101	95	80-120	7	30
Batch number: R100611AA	Sample number(s): 5915489								
Benzene	N.D.	0.025	0.25	mg/kg	96	96	80-120	0	30
Batch number: 10054A31C	Sample number(s): 5915486-5915489								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	95	90	67-119	6	30
Batch number: 100580005A	Sample number(s): 5915486,5915489								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	90		76-117		
Batch number: 100610004A	Sample number(s): 5915487								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	91	90	76-117	1	20
Batch number: 100630018A	Sample number(s): 5915488								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	117		76-117		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A100601AA	Sample number(s): 5915486-5915489 UNSPK: P915799								
t-Amyl methyl ether	97		59-123						
Benzene	108		55-143						
t-Butyl alcohol	100		47-153						
Ethyl t-butyl ether	96		58-124						
Ethylbenzene	103		44-141						
di-Isopropyl ether	93		59-133						
Methyl Tertiary Butyl Ether	99		55-129						
Toluene	107		50-146						
Xylene (Total)	102		44-136						

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1183948
Reported: 03/09/10 at 02:41 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 100580005A	Sample number(s): 5915486,5915489 UNSPK: 5915486 BKG: 5915486								
TPH-DRO soil C10-C28 w/Si Gel	91		30-159			N.D.	N.D.	0 (1)	20
Batch number: 100630018A	Sample number(s): 5915488 UNSPK: 5915488 BKG: 5915488								
TPH-DRO soil C10-C28 w/Si Gel	103		30-159			N.D.	N.D.	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: A100601AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5915486	93	90	91	80
5915487	91	88	90	81
5915488	91	87	90	83
5915489	90	84	97	90
Blank	93	89	86	84
LCS	92	91	90	90
LCSD	92	92	89	89
MS	92	86	92	87
Limits:	71-114	70-109	70-123	70-111

Analysis Name: 8260 Master Scan (soil)
Batch number: R100611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	95	96	96	93
LCS	94	93	93	93
LCSD	93	92	94	94
Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 10054A31C

	Trifluorotoluene-F
5915486	76
5915487	86
5915488	88
5915489	127*
Blank	87
LCS	93
LCSD	90
Limits:	61-122

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1183948
Reported: 03/09/10 at 02:41 PM

Surrogate Quality Control

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 100580005A

	Orthoterphenyl
5915486	89
5915489	95
Blank	97
DUP	89
LCS	109
MS	101
Limits:	59-129

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 100610004A

	Orthoterphenyl
5915487	99
Blank	103
LCS	110
LCSD	108
Limits:	59-129

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 100630018A

	Orthoterphenyl
5915488	97
Blank	105
DUP	94
LCS	129
MS	108
Limits:	59-129

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

022510-01

Acct. #: 10880 Sample #: 5915486-89

For Lancaster Laboratories use only

241604

SCR#:

Group# 1183948

Facility #: 9-0917 (AIL)
Site Address: 5280 Hopyard Rd.
Chevron PM: A. Costa Lead Consultant: Conestoga-Rovers+Assoc
Consultant/Office: 5900 Hollis St., Ste A, Emeryville CA
Consultant Prj. Mgr.: C. Evans
Consultant Phone #: 510-385-0387 Fax #: 510-420-9170
Sampler: Jeff Schrupp
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	6 Oxygenates	Lead 7420 ☐ 7421 ☐
Ex-1 @ 6.5'	S	NO	6.5	2010/2/24	1135	Y	X		1	X	X	X		X	
Ex-2 @ 5.5'	S	NO	5.5	2010/2/24	1150	Y	X		1	X	X	X		X	
Ex-3 @ 5.5'	S	NO	5.5	2010/2/24	1155	Y	X		1	X	X	X		X	
Ex-4 @ 6'	S	NO	6	2010/2/24	1215	Y	X		1	X	X	X		X	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
Report results to
cevans@craworld.com
dglaze@craworld.com
EDF DATA TO:
dohare@craworld.com
Report the following 3/1/10.
Oxygenates:
MTBE, DIPE, TAME, TBA and ETBE Per Jan 11

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
(QC Summary) Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2/24/10	500pm	Secure location	2/24/10	500pm
[signature]	2/25/10	1140	[signature]	2/25/10	1140
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier: UPS (FedEx) Other ____
Received by: [signature] Date 2/26/10 Time 1130
Temperature Upon Receipt 0.5-2.4 C°
Custody Seals Intact? (Yes) No

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

APPENDIX I

ANALYTICAL REPORTS FOR WASTE

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

November 06, 2009

Project: 90917

Samples arrived at the laboratory on Saturday, October 31, 2009. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1168954.

Client Sample Description	Lancaster Labs (LLI) #
WASTE-S-091029 Composite Soil	5822732

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

1 COPY TO	IWM, Inc.	Attn: Jay DeLeon
ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull
ELECTRONIC COPY TO	CRA	Attn: Kari Dupler

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Max E. Snavely
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: WASTE-S-091029 Composite Soil
Facility# 90917 CRAW
5280 Hopyard-Pleasanton T0600100345 WASTE

LLI Sample # SW 5822732
LLI Group # 1168954
CA

Project Name: 90917

Collected: 10/29/2009 18:40 by IH

Account Number: 10880

Submitted: 10/31/2009 10:00
Reported: 11/06/2009 at 10:15
Discard: 12/07/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HRPAR

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
01726	TPH-GRO N. CA soil C6-C12	n.a.	6.4	1.1	1.1	26.26
GC Volatiles	**SW-846 8021B**		**mg/kg**	**mg/kg**	**mg/kg**	
05878	Benzene	71-43-2	0.02	0.005	0.02	26.26
05878	Ethylbenzene	100-41-4	0.03	0.005	0.02	26.26
05878	Toluene	108-88-3	N.D.	0.005	0.02	26.26
05878	Total Xylenes	1330-20-7	N.D.	0.02	0.05	26.26
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.63	0.577	1.44	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO N. CA soil C6-C12	SW-846 8015B	1	09302A31B	11/03/2009 15:33	Marie D John	26.26
05878	BTEX	SW-846 8021B	1	09302A31B	11/03/2009 15:33	Marie D John	26.26
01150	GC - Bulk Soil Prep	SW-846 5030A	1	200930619683	11/02/2009 09:01	Larry E Bevins	n.a.
06955	Lead	SW-846 6010B	1	093065708001	11/03/2009 07:45	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	093065708001	11/02/2009 19:55	Annamaria Stipkovits	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1168954
Reported: 11/06/09 at 10:15 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09302A31B	Sample number(s): 5822732								
Benzene	N.D.	0.005	0.02	mg/kg	110	105	76-118	5	30
Ethylbenzene	N.D.	0.005	0.02	mg/kg	105	100	77-115	5	30
Toluene	N.D.	0.005	0.02	mg/kg	105	105	80-120	0	30
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	89	88	67-119	1	30
Total Xylenes	N.D.	0.02	0.05	mg/kg	107	103	78-115	3	30
Batch number: 093065708001	Sample number(s): 5822732								
Lead	N.D.	0.600	1.50	mg/kg	97		85-114		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 093065708001	Sample number(s): 5822732 UNSPK: P821717 BKG: P821717								
Lead	192 (2)	-283 (2)	75-125	61*	20	124	109	12	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 09302A31B

	Trifluorotoluene-F	Trifluorotoluene-P
5822732	89	88
Blank	84	107
LCS	81	103
LCSD	85	101
Limits:	61-122	58-146

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

163809-03

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5822732-33 SCR#:

248730

G# 11168954

Facility #: 9-0917 (WASTE)
Site Address: 5280 HOPYARD RD., PLEASANTON, CALIFORNIA
Chevron PM: AARON COSTA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	LEAD 6010
WASTE	SOIL	YES	—	2009/10/29	1840	NO		X	4	X	X					X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE FAX RESULTS TO:
JAY @ IWM
408-433-9521
EMAIL RESULTS TO
cevans
ihull
cdupler
ALL @ craworld.com
PERFORM 4:1 COMPOSITE

Turnaround Time Requested (TAT) (please circle)
STD. TAT (72 hour) 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	10/29/2009	2040	Received by: SECURE LOCATION		
Relinquished by: BELEW YIFRU	10-30-09	1045	Received by:	10/30/09	1145
Relinquished by:	10/30/09	1645	Received by: FedEx		
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	10/31/09	1000
Temperature Upon Receipt 13.4.0 C°			Custody Seals Intact? (Yes) No		

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

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: #060057-2009-R50; 9-0917	Date Sampled: 02/22/10
		Date Received: 02/22/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Reported: 02/23/10
Emeryville, CA 94608	Client P.O.:	Date Completed: 02/23/10

WorkOrder: 1002530

February 23, 2010

Dear Dan:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#060057-2009-R50; 9-0917,**
2) A QC report for the above sample,
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.

1002530

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

RUSH

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

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: D. Glaze	Bill To:
Company: Conestoga-Rovers+Assoc. 5900 Hollis St. Ste A. Emeryville CA.	E-Mail: dglaze@crgworld.com
Tele: (510) 376-0657	Fax: (510) 420-9170
Project #: 060057-2009-R50	Project Name: 9-0917
Project Location: 5280 Hoggard. Rd. Pleasanton.	
Sampler Signature: Dan Gl	

SAMPLE ID (Field Point Name)	LOCATION	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
Waste-S-10-02-22		2/22/10	1705	4	Sleeve		X				X			

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)MTBE	TPH as Diesel (8015) w/ silica gel	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X												X	

Other

Comments: Run STLC if required, email results to. dglaze@crgworld.com cevans@crgworld.com

Relinquished By:	Date:	Time:	Received By:
	2.22.10	1720	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° Yes 16°C
GOOD CONDITION ✓
HEAD SPACE ABSENT N/A
DECHLORINATED IN LAB N/A

PRESERVATION APPROPRIATE	VOAS	O&G	METALS	OTHER
CONTAINERS ✓				
PERSERVED IN LAB N/A				

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002530 **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: #060057-2009-R50; 9-0917

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

Requested TAT: 1 day

Date Received: **02/22/2010**
Date Printed: **02/22/2010**

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
1002530-001	Waste-S-10-02-22	Soil	2/22/2010 17:05	☐	A	A	A									

Test Legend:

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

Prepared by: Samantha Arbuckle

Comments:

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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Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **2/22/2010 6:36:15 PM**

Project Name: **#060057-2009-R50; 9-0917**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **1002530** Matrix Soil

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: 1.6°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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Conestoga-Rovers & Associates	Client Project ID: #060057-2009-R50; 9-0917	Date Sampled: 02/22/10
		Date Received: 02/22/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 02/22/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 02/23/10

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1002530

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	Waste-S-10-02-22	S	140	ND<0.50	0.12	0.69	1.3	0.69	10	117	d2,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.

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

d2) heavier gasoline range compounds are significant (aged gasoline?)
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #060057-2009-R50; 9-0917	Date Sampled: 02/22/10
		Date Received: 02/22/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 02/22/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 02/23/10

Lead by ICP*

Extraction method: SW3050B Analytical methods: SW6010B Work Order: 1002530

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1002530-001A	Waste-S-10-02-22	S	TOTAL	10	1	88	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

*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.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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

Conestoga-Rovers & Associates	Client Project ID: #060057-2009-R50; 9-0917	Date Sampled: 02/22/10
		Date Received: 02/22/10
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 02/22/10
Emeryville, CA 94608	Client P.O.:	Date Analyzed 02/23/10

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method SW3550C/3630C Analytical methods: SW8015B Work Order: 1002530

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1002530-001A	Waste-S-10-02-22	S	44	1	115	e4,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.

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

e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 48800 WorkOrder 1002530

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1002469-001A**

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	104	103	1.09	100	104	3.87	70 - 130	20	70 - 130	20
MTBE	ND	0.10	95.9	99	3.15	98.3	102	3.53	70 - 130	20	70 - 130	20
Benzene	ND	0.10	95.3	96.3	1.07	95.9	96.8	1.03	70 - 130	20	70 - 130	20
Toluene	ND	0.10	96.2	96.7	0.579	96.2	98	1.87	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	96.4	97.2	0.841	95.6	97.9	2.43	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	99.3	99.9	0.577	97.8	101	2.73	70 - 130	20	70 - 130	20
%SS:	90	0.10	94	95	0.742	94	95	1.33	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 48800 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002530-001A	02/22/10 5:05 PM	02/22/10	02/23/10 9:57 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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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 1002530

EPA Method SW6010B **Extraction SW3050B** **BatchID: 48824** **Spiked Sample ID: 1002217-001A**

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
Lead	26	50	87	79.8	5.36	10	84.3	84.3	0	75 - 125	25	75 - 125	25
%SS:	101	250	101	100	1.18	250	94	101	6.39	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 48824 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002530-001A	02/22/10 5:05 PM	02/22/10	02/23/10 12:10 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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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 48805 WorkOrder 1002530

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 1002465-001A**

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)	88	40	70.9	72.6	0.560	107	105	1.84	70 - 130	30	70 - 130	30
%SS:	107	25	107	108	0.998	99	100	0.714	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 48805 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002530-001A	02/22/10 5:05 PM	02/22/10	02/23/10 1:48 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

APPENDIX J

WASTE DISPOSAL MANIFESTS

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035
Phone: 408-942-8940 Fax: 408-942-8941

ATTACHMENT "B"

Chevron #9-0917
5280 Hopyard Road, Pleasanton, CA

98988-BS

Soil Disposed at Republic Service Vasco Road Landfill, Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
1	2/24/2010	16.36	45419	98988BS-1	IWM
2	2/24/2010	19.82	45443	98988BS-2	IWM
3	2/25/2010	13.75	45506	98988BS-4	IWM
4	2/25/2010	13.60	45511	98988BS-3	IWM
5	2/25/2010	14.14	45512	98988BS-5	IWM
6	2/25/2010	20.56	45514	98988BS-6	IWM
7	2/25/2010	18.54	45534	98988BS-7	IWM
8	2/25/2010	17.15	45539	98988BS-8	IWM
9	2/25/2010	11.33	45555	98988BS-9	IWM

Total 145.25

1

Integrated Wastestream Management, Inc.
950 Ames Avenue, Milpitas, CA 95035
Phone: 408-942-8940 Fax: 408-942-8941

ATTACHMENT "C"

Chevron #9-0917
5280 Hopyard Road, Pleasanton, CA

99072-BS

Soil Disposed at Foward Landfill, Manteca, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
1	2/25/2010	18.02	111802	96375	IWM
2	2/25/2010	12.43	111808	96374	IWM
3	2/25/2010	6.13	111820	96376	IWM

Total 36.58