Eric Hetrick
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6491
ehetrick@chevron.com

June 29, 2015

RECEIVED
By Alameda County Environmental Health 3:02 pm, Jul 30, 2015

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

Re: Former Chevron Service Station 95607
5269 Crow Canyon Road
Castro Valley, CA
ACEH Case #RO 0350

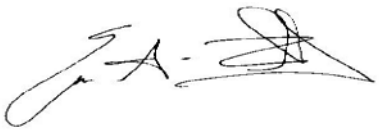
I have reviewed the attached Groundwater Monitoring Well Installation Report.

The 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,



Eric Hetrick
Project Manager

Attachment: Groundwater Monitoring Well Installation Report

CONESTOGA-ROVERS & ASSOCIATES

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

June 29, 2015 Reference No. 311950

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Groundwater Monitoring Well Installation Report
Former Chevron Station 95607
5269 Crow Canyon Road
Castro Valley, California
Fuel Leak Case RO0350

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this Groundwater Monitoring Well Installation Report on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figures 1 and 2). CRA installed well C-17 downgradient of well C-9 and between existing well C 16 and former well C-15 (Figure 2) on the adjoining offsite property. The well was installed according to the January 20, 2014 Work Plan for Groundwater Monitoring Well Installation, which was approved by ACEHS in a letter dated March 5, 2014 (Attachment A). To accomplish the scope of work, CRA conducted the following.

Site Specific Health and Safety Plan

CRA prepared a site specific health and safety plan to protect site workers. The plan was reviewed and signed by site workers and visitors. The plan was kept onsite during the field work.

Permits and Access

CRA obtained drilling permit # W2015-0350 from Alameda County Public Works Agency (ACPWA) (Attachment B) and scheduled the required inspections prior to beginning field work. CRA notified the property manager and accessed the offsite property to install the monitoring well.

Underground Utility Location and Utility Clearance

Prior to drilling, CRA contacted Underground Service Alert to mark existing underground utilities near the drilling location. CRA contracted Norcal Geophysical Consultants, Inc. of Cotati, California to verify underground utility locations near the proposed well location. On May 12, 2015, the monitoring well location was hand cleared of utilities to 8 feet below grade (fbg).

Well Installation

After clearing to 8 fbg, the borehole was advanced using 4-inch diameter hand augers to a maximum depth of 19 fbg. The well was constructed using 1-inch diameter Schedule 40 PVC casing with a 0.010 inch slotted screen from approximately 10-19 fbg. The filter pack consisted of #2/12 sand from the bottom of the boring to approximately 2 feet above the screened interval. The well annulus had a 2 foot bentonite seal above the screen and sand pack, with the remainder backfilled with Portland Type I/II cement to approximately 1 foot below grade. The well location was inaccessible by vehicles and therefore the well was installed differently than described in the approved work plan. The following changes were a result of the change in drilling methodology:

- Use of a 4-inch diameter hand auger instead of a truck mounted drill rig with 8-inch diameter hollow stem augers.
- The well was constructed using a 1-inch diameter well casing instead of a 2-inch diameter well casing.
- Installation of 10 feet of well screen instead of 5 feet of well screen.

These changes were requested by CRA in an email to the regulator on May 1, 2015 and were approved via email on May 4, 2015 (Attachment A). Additionally, the well was not advance to the planned depth of 20 fbg because a hard layer of silt stone was encountered in the borehole. A boring log showing the lithological descriptions and well construction details is included (Attachment C).

Soil Sampling

Soil samples were collected at 5, 10, 15 and 18 fbg using a hand auger. Chevron and CRA safety policies require the first 8 feet to be cleared of underground utilities, so the 5 fbg sample was

collected from disturbed from the hand auger bucket using 6 inch steam cleaned steel tubes. CRA attempted to collect undisturbed soil samples below 8 fbg using a slide hammer. However, the soil was wet and the samples slipped back into to the hole from the slide hammer. Therefore, samples below 8 fbg were also disturbed and were collected from the hand augur bucket. Soil samples were screened using a photo ionization detector and recorded on the boring log. Soil was logged using the ASTM D2488 06 Unified Soil Classification System (USCS). Samples were sealed, labeled, logged on a chain of custody, placed on ice, and transported to Eurofins Lancaster Laboratories (Eurofins) of Lancaster, Pennsylvania for analysis.

Well Development and Sampling

The well was developed on May 21, 2015 and sampled on May 28, 2015 by Gettler-Ryan, Inc. (G-R) of Dublin, California. The groundwater sample was released to Eurofins for analysis. G-R's Groundwater Monitoring and Sampling Package is presented as Attachment D.

Chemical Analysis

Soil samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) methyl tertiary butyl ether (MTBE) and naphthalene by EPA Method 8260B

Groundwater samples were analyzed for the following:

- TPHg by EPA Method 8015B modified
- BTEX, MTBE and naphthalene by EPA Method 8260B
- 7-Oxygenates (Tert-butyl alcohol, Di isopropyl ether, Etyl tertiary butyl ether, Tert-amyl methyl ether, 1,2-Dibromoethane, 1,2-Dichloroethane and Ethanol) by EPA Method 8260B

Soil Analytical results

No petroleum hydrocarbons were detected in soil during this investigation, except 18 milligrams per kilogram (mg/kg) TPHg at 10 fbg in C 17. Eurofin's Analysis Report is included as Attachment E. Soil analytical results are included on the Cumulative Soil Data Table (Table 1).

Groundwater Analytical Results

The analytical results for the May 28, 2015 initial groundwater sampling event for well C 17 are shown in Table A below. Eurofin's Analysis Report is included as Attachment E.

TABLE A:
C-17 GROUNDWATER ANALYTICAL DATA
May 28, 2015

TPHg	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*Ethanol*	*TBA*	*DIPE*	*ETBE*	*TAME*	*EDB*	*1,2-DCA*
(µg/L)	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*
2,600	9	<0.5	0.9 J	0.9 J	<0.5	<50	4 J	<0.5	<0.5	<0.5	<0.5	<0.5

TPHg = Total petroleum hydrocarbons - gasoline range organics
MTBE = Methyl tert butyl ether
TBA = Tert-butyl alcohol
DIPE = Diisopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tert-amyl methyl ether
EDB = 1,2-Dibromoethane (Ethylene dibromide)
1,2-DCA = 1,2-Dichloroethane
J = Estimated value –The result is ≥ the Method Detection Limit. and < the Limit of Quantitation

Waste Disposal

Soil cuttings generated during the well installation were placed in a Department of Transportation approved 55 gallon drum and temporarily stored onsite pending analytical profiling.

On May 28, 2015, Clean Harbors Environmental Services transported and disposed of the waste at their San Jose, California facility. A copy of the waste manifest is included in Attachment F.

Well Surveying

On June 10, 2015, Virgil Chavez Land Surveying, Inc. (Chavez) of Vallejo, California, a California licensed land surveyor, surveyed the top of casing and ground surface elevations of wells C-17 and C-9 relative to mean sea level. The horizontal well coordinate was also measured in accordance with AB2886 (GeoTracker) requirements. The survey information has been uploaded into the GeoTracker database. Chavez's well survey information is included in Attachment G.

CONESTOGA-ROVERS & ASSOCIATES

June 29, 2015 Reference No. 311950

Well Completion Reports

Department of Water Resources (DWR) Well Completion Reports are confidential documents and are therefore not included in this report. On June 23, 2015, CRA submitted the forms to the DWR and ACPWA under a separate cover.

Conclusions and Recommendations

CRA successfully installed monitoring well C-17. CRA recommends to monitor the newly installed well quarterly to establish petroleum hydrocarbon concentration trends. The well will be monitored using low flow techniques on a quarterly schedule and the results will be reported in quarterly monitoring reports.

We appreciate your assistance with this project. Please contact Judy Gilbert of CRA at (510) 420-3314 or Mr. Eric Hetrick of Chevron at (925) 790-6491 if you have any questions or comments.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

PROFESSIONAL GEOLOGIST BRANDON S. WILKEN No. 7564 STATE OF CALIFORNIA

Judy A. Gilbert

Brandon S. Wilken, PG 7564

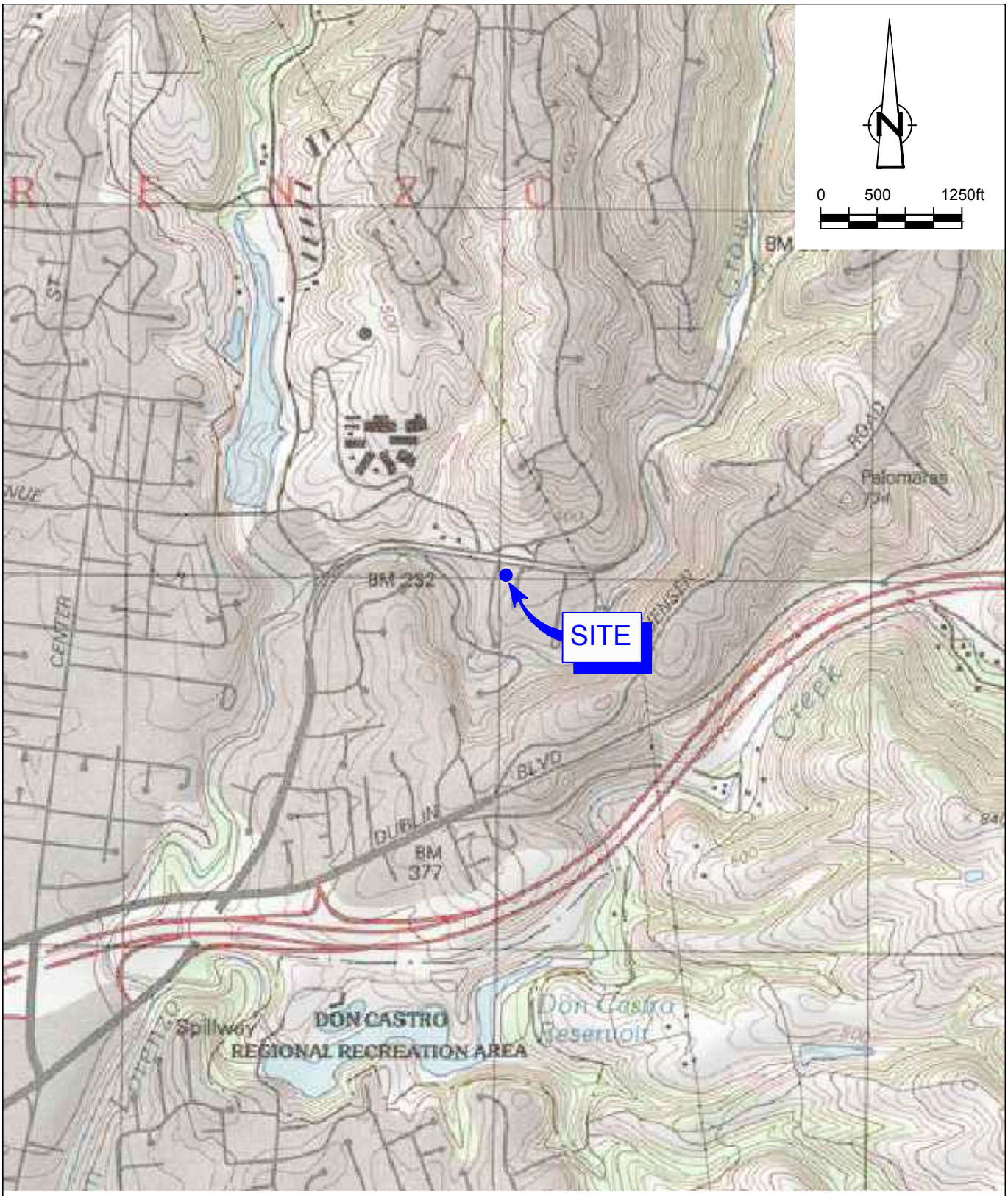
BY/mws/44
Encl.

Figure 1 Vicinity Map
Figure 2 Site Plan

Table 1	Cumulative Soil Data
Attachment A	Regulatory Correspondence
Attachment B	ACPWA Permit
Attachment C	Boring Log
Attachment D	Groundwater Monitoring and Sampling Package
Attachment E	Laboratory Analytical Reports
Attachment F	Waste Disposal Project Summary and Manifest
Attachment G	Survey Data

cc.: Mr. Eric Hetrick, Chevron EMC (electronic copy)
Mr. Kevin Hinkley, Property Owner
Ms. Diane Riggs, Forest Creek Townhomes Association

Figures



SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP
FORMER CHEVRON STATION 95607
5269 CROW CANYON ROAD
Castro Valley, California

311950-95(044)GN-EM001 JUN 18/2015

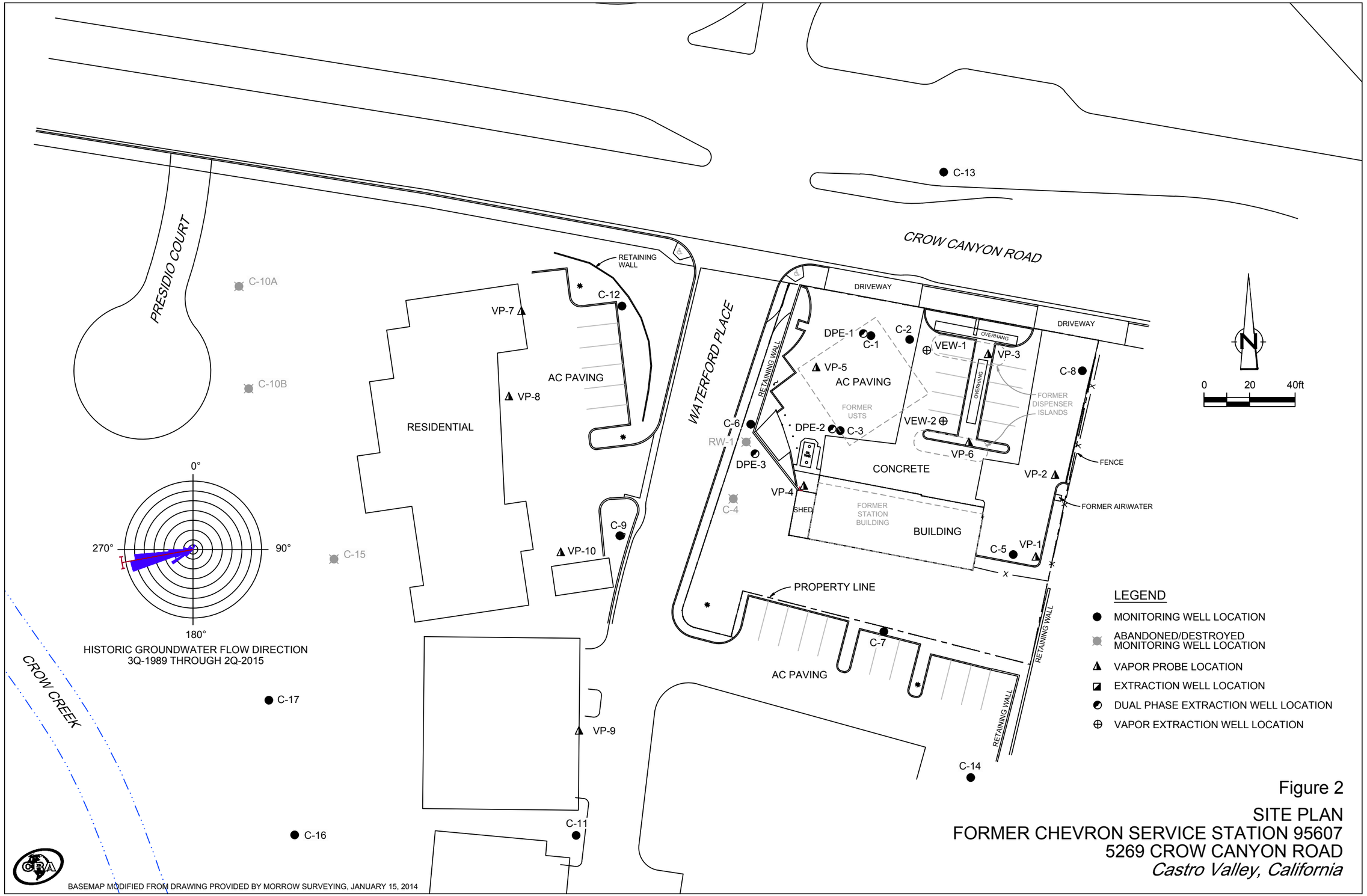


Figure 2

SITE PLAN
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD
Castro Valley, California

BASEMAP MODIFIED FROM DRAWING PROVIDED BY MORROW SURVEYING, JANUARY 15, 2014

311950-95(044)GN-EM002 JUN 18/2015

Table

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	Naph-thalene [b]	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoran-thene	Benzo (g, h, i) Perylene	Benzo (k) Fluoran-thene	Chrysene	Dibenz (a, h) Anthracene	Fluoran-thene	Fluorene	Indeno (1, 2, 3-cd) Pyrene	Naph-thalene [c]	Phenan-threne	Pyrene	Notes
		fbg	Concentrations in mg/kg																										
Low-Threat Underground Storage Tank Case Closure Criteria [a]																													
Vapor Intrusion to Indoor Air (0-10 fbg) (No LNAPL)			--	--	***100***	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Direct Contact (0-5 fbg)		***Residential***	--	--	--	***1.9***	--	***21***	--	--	--	***9.7***	--	--	--	--	***0.063***	--	--	--	--	--	--	--	--	--	***0.063***	--	--	
		Commercial	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercial	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility Worker***	--	--	--	***14***	--	***314***	--	--	--	***219***	--	--	--	--	***4.5***	--	--	--	--	--	--	--	--	--	***4.5***	--	--	
Monitoring Wells																													
C-12	2/22/1990	14.5-16	--	--	**200**	**1.7**	**4.7**	**3.4**	**18**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-13	2/23/1990	14.5-16	--	--	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-15	2/24/1990	9.5-11	--	--	10	<0.05	0.10	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-17	5/12/2015	5	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-17	5/12/2015	10	--	--	18	<0.025	<0.051	<0.051	<0.051	<0.025	--	<0.051	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-17	5/12/2015	15	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
C-17	5/12/2015	18	--	--	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
UST Pit																													
~~AF (#2)~~	~~10/2/1990~~	~~17~~	~~<30~~	~~<1.0~~	~~2.8~~	~~0.37~~	~~<0.0050~~	~~0.010~~	~~0.17~~	~~—~~	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Excavated on 10/11/90
AF (#7)	10/11/1990	22.5	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
~~Aop (#1)~~	~~10/2/1990~~	~~18~~	~~<30~~	~~<1.0~~	~~<1.0~~	~~0.020~~	~~0.023~~	~~0.0078~~	~~0.019~~	~~—~~	~~<0.050~~	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Excavated on 10/5/90
Aop (#4)	10/5/1990	11	--	--	2.0	0.026	0.053	0.068	0.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
BF (#6)	10/2/1990	17	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
~~Bop (#3)~~	~~10/2/1990~~	~~16~~	--	--	~~440~~	~~3.9~~	~~2.0~~	~~11~~	~~42~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
Bop (#1)	10/5/1990	19.5	--	--	75	**0.73**	0.58	2.6	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
~~CF (#5)~~	~~10/2/1990~~	~~15~~	--	--	~~<1.0~~	~~<0.0050~~	~~<0.0050~~	~~<0.0050~~	~~<0.0050~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
CF (#1)	10/11/1990	18	--	--	11	**0.27**	0.074	0.27	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
~~Cop (#4)~~	~~10/2/1990~~	~~16~~	--	--	~~2.2~~	~~0.20~~	~~0.0058~~	~~0.017~~	~~0.042~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
~~Cop (#2)~~	~~10/5/1990~~	~~20~~	--	--	~~240~~	~~1.5~~	~~9.5~~	~~7.0~~	~~34~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
~~Cop (#3)~~	~~10/5/1990~~	~~15~~	--	--	~~55~~	~~0.30~~	~~0.80~~	~~1.5~~	~~8.0~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	
Cop (#2)	10/11/1990	22.5	--	--	**1,300**	**5.2**	**37**	**28**	**140**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Product Lines																													
PL (#7)	10/2/1990	3.5	--	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PL (#8)	10/2/1990	3.5	--	--	<1.0	<0.0050	<0.0050	<0.0050	0.0097	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Soil Vapor Borings																													
SV-1 (SS-1)	8/19/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-1 (SS-1)	8/19/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-1 (SS-1)	8/19/1996	21	--	--	<1.0	<0.005	<0.005	<0.005	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-2 (SS-2)	8/19/1996	3	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-2 (SS-2)	8/19/1996	8	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-2 (SS-2)	8/19/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-2 (SS-2)	8/19/1996	21	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-3 (SS-3)	8/19/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-3 (SS-3)	8/20/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-3 (SS-3)	8/20/1996	21	--	--	17	**0.67**	0.74	0.38	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	Naph-thalene [b]	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoran-thene	Benzo (g, h, i) Perylene	Benzo (k) Fluoran-thene	Chrysene	Dibenz (a, h) Anthracene	Fluoran-thene	Fluorene	Indeno (1, 2, 3-cd) Pyrene	Naph-thalene [c]	Phenan-threne	Pyrene	Notes
		fbg	Concentrations in mg/kg																										
Low-Threat Underground Storage Tank Case Closure Criteria [a]																													
Vapor Intrusion to Indoor Air (0-10 fbg) (No LNAPL)			--	--	*100*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Direct Contact (0-5 fbg)		*Residential*	--	--	--	*1.9*	--	*21*	--	--	--	*9.7*	--	--	--	--	*0.063*	--	--	--	--	--	--	--	--	--	*0.063*	--	--	
		Commercial	--	--	--	*2.8*	--	*32*	--	--	--	*9.7*	--	--	--	--	*NA*	--	--	--	--	--	--	--	--	--	*NA*	--	--	
Volatilization to Outdoor Air (5-10 fbg)		*Residential*	--	--	--	*8.2*	--	*89*	--	--	--	*45*	--	--	--	--	*0.68*	--	--	--	--	--	--	--	--	--	*0.68*	--	--	
		Commercial	--	--	--	*12*	--	*134*	--	--	--	*45*	--	--	--	--	*NA*	--	--	--	--	--	--	--	--	--	*NA*	--	--	
Diret Contact (0-10 fbg)		*Utility Worker*	--	--	--	*14*	--	*314*	--	--	--	*219*	--	--	--	--	*4.5*	--	--	--	--	--	--	--	--	--	*4.5*	--	--	
SV-4 (SS-4)	8/20/1996	6	--	--	<1.0	<0.005	<0.005	<0.005	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-4 (SS-4)	8/20/1996	9.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-4 (SS-4)	8/20/1996	23.5	--	--	**97**	**0.59**	<0.010	1.0	**2.9**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-5 (SS-5)	8/20/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-5 (SS-5)	8/20/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-5 (SS-5)	8/20/1996	24.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-6 (SS-6)	8/20/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-6 (SS-6)	8/20/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-6 (SS-6)	8/20/1996	25	--	--	61	**0.85**	0.65	1.2	**3.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-7 (SS-7)	8/20/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-7 (SS-7)	8/20/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-7 (SS-7)	8/20/1996	25	--	--	**400**	**2.3**	2.7	**9.3**	**40**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-8 (SS-8)	8/20/1996	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-8 (SS-8)	8/20/1996	10	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-8 (SS-8)	8/20/1996	25	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Soil Borings																													
SB-1	7/5/2006	5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	10	--	--	<1.0	0.0006	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	15	--	--	1.7	0.008	0.001	<0.001	0.003	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	18	--	--	6.5	0.026	<0.001	0.019	0.003	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	20	--	--	22	0.005	<0.001	0.025	0.040	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	25	--	--	**520**	**0.99**	0.83	**11**	**28**	<0.062	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	30	--	--	58	0.017	0.007	0.21	0.44	<0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-1	7/6/2006	35	--	--	<1.0	0.001	0.003	0.004	0.009	0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	7/5/2006	5	--	--	2.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	7/7/2006	10.5	--	--	**1,300**	**0.071**	<0.001	0.36	0.18	<0.062	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	7/7/2006	15	--	--	63	<.003	<0.005	0.013	<0.005	<0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	7/7/2006	20	--	--	68	0.013	0.010	0.41	0.10	<0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	7/7/2006	23.5	--	--	**330**	<0.063	<0.13	0.77	<0.13	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			--	--																										
SB-3	7/5/2006	5	--	--	<1.0	0.0006	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	10	--	--	<1.0	0.001	0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	15	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	20	--	--	6.7	<0.0005	<0.001	0.006	0.01	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	25	--	--	2.8	0.001	0.001	0.22	0.55	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	31.5	--	--	**1,100**	<0.063	<0.13	**7.0**	**22**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	35	--	--	**4,600**	**5.5**	**28**	**96**	**450**	<0.062	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	7/6/2006	38.5	--	--	<1.0	0.0006	<0.001	0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	Naph-thalene [b]	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoran-thene	Benzo (g, h, i) Perylene	Benzo (k) Fluoran-thene	Chrysene	Dibenz (a, h) Anthracene	Fluoran-thene	Fluorene	Indeno (1, 2, 3-cd) Pyrene	Naph-thalene [c]	Phenan-threne	Pyrene	Notes
		fbg	Concentrations in mg/kg																										
Low-Threat Underground Storage Tank Case Closure Criteria [a]																													
Vapor Intrusion to Indoor Air (0-10 fbg) (No LNAPL)			--	--	***100***	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Direct Contact (0-5 fbg)		***Residential***	--	--	--	***1.9***	--	***21***	--	--	--	***9.7***	--	--	--	--	***0.063***	--	--	--	--	--	--	--	--	--	***0.063***	--	--	
		Commercial	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercial	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility Worker***	--	--	--	***14***	--	***314***	--	--	--	***219***	--	--	--	--	***4.5***	--	--	--	--	--	--	--	--	--	***4.5***	--	--	
SB-4	7/5/2006	5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	10	--	--	<1.0	0.0009	0.001	<0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	15	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	20	--	--	<1.0	0.0008	0.001	<0.001	0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	25	--	--	**630**	<0.063	<0.13	**4.0**	**22**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	30	--	--	**950**	**1.1**	1.0	**10**	**50**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	35	--	--	**550**	**0.85**	0.58	**5.3**	**26**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	40	--	--	**720**	**0.72**	0.73	**14**	**69**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	45	--	--	**240**	**0.43**	0.15	**4.7**	**19**	<0.063	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-4	7/6/2006	47.5	--	--	<1.0	0.0008	<0.001	<0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/5/2006	5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	10	--	--	<1.0	0.003	0.003	<0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	15	--	--	<1.0	0.004	0.004	<0.001	0.002	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	20	--	--	<1.0	0.003	0.003	<0.001	0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	25	--	--	3.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	30	--	--	**590**	**0.64**	0.80	**8.4**	**35**	<0.062	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	7/7/2006	32	--	--	**980**	**14**	**60**	**34**	**180**	<0.062	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Soil Vapor Probes																													
VP-1	9/17/2013	3.5	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-1	9/17/2013	5	--	--	< 1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-1	9/17/2013	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-1	9/17/2013	7	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-1	9/17/2013	11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-1	9/17/2013	12	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-2	9/17/2013	3.5	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-2	9/17/2013	5	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-2	9/17/2013	7	--	--	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-2	9/17/2013	12	--	--	< 1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-3	9/17/2013	3.5	--	--	2.8	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-3	9/17/2013	5	--	--	<1.0	< 0.0005	<0.0009	<0.0009	<0.0009	< 0.0005	--	<0.0009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-3	9/17/2013	7	--	--	1.2	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-3	9/17/2013	12	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	9/17/2013	3.5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-4	9/17/2013	5	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	9/18/2013	3.5	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	9/18/2013	5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	9/18/2013	7	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-5	9/18/2013	12	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	9/18/2013	4	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	9/18/2013	5	--	--	260	<0.026	<0.051	1.7	0.80	<0.026	--	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	9/18/2013	7	--	--	31	<0.024	<0.048	0.097	<0.048	<0.024	--	0.096	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-6	9/18/2013	12	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	Naph-thalene [b]	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoran-thene	Benzo (g, h, i) Perylene	Benzo (k) Fluoran-thene	Chrysene	Dibenz (a, h) Anthracene	Fluoran-thene	Fluorene	Indeno (1, 2, 3-cd) Pyrene	Naph-thalene [c]	Phenan-threne	Pyrene	Notes
		fbg	Concentrations in mg/kg																										
Low-Threat Underground Storage Tank Case Closure Criteria [a]																													
Vapor Intrusion to Indoor Air (0-10 fbg) (No LNAPL)			--	--	*100*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Direct Contact (0-5 fbg)		*Residential*	--	--	--	*1.9*	--	*21*	--	--	--	*9.7*	--	--	--	--	*0.063*	--	--	--	--	--	--	--	--	--	*0.063*	--	--	
		Commercial	--	--	--	*2.8*	--	*32*	--	--	--	*9.7*	--	--	--	--	*NA*	--	--	--	--	--	--	--	--	--	*NA*	--	--	
Volatilization to Outdoor Air (5-10 fbg)		*Residential*	--	--	--	*8.2*	--	*89*	--	--	--	*45*	--	--	--	--	*0.68*	--	--	--	--	--	--	--	--	--	*0.68*	--	--	
		Commercial	--	--	--	*12*	--	*134*	--	--	--	*45*	--	--	--	--	*NA*	--	--	--	--	--	--	--	--	--	*NA*	--	--	
Diret Contact (0-10 fbg)		*Utility Worker*	--	--	--	*14*	--	*314*	--	--	--	*219*	--	--	--	--	*4.5*	--	--	--	--	--	--	--	--	--	*4.5*	--	--	
VP-7	9/16/2013	3.5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-7	9/16/2013	5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-7	9/16/2013	7	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
			--	--							--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-8	9/16/2013	3.5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-8	9/16/2013	5	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-8	9/16/2013	7	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-9	9/17/2013	3.5	--	--	<1.0	< 0.0005	<0.0009	<0.0009	<0.0009	< 0.0005	--	<0.0009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-9	9/17/2013	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-9	9/17/2013	5.5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-9	9/17/2013	6.5	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-9	9/17/2013	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-10	9/16/2013	3.5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-10	9/16/2013	5	--	--	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
VP-10	9/16/2013	7	--	--	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	--	< 0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vapor Extraction Wells																													
VEW-1-5	12/16/2013	5	--	--	<1.0	0.001	<0.001	0.001	<0.001	<0.0005	8.98	<0.001	<0.003	<0.003	<0.003	0.004	0.006	0.011	0.013	<0.003	0.009	<0.003	0.006	<0.003	0.004	<0.003	0.006	0.008	
VEW-1-10	12/18/2013	10	--	--	220	<0.025	<0.050	<0.050	<0.050	<0.025	6.54	0.070	<0.033	<0.033	<0.033	0.041	<0.033	0.050	0.065	<0.033	0.15	<0.033	<0.033	<0.033	<0.033	0.067	0.051	0.073	
VEW-1-15	12/18/2013	15	--	--	550	0.20	<0.054	13	0.42	<0.027	9.71	6.1	0.006	<0.003	0.004	0.007	0.004	0.006	<0.003	<0.003	0.009	<0.003	0.005	0.008	<0.003	1.1	0.016	0.01	
VEW-1-17	12/18/2013	17	--	--	220	0.092	<0.049	5.9	2.3	<0.024	5.73	2.1	0.008	0.004	0.004	0.007	0.004	0.005	<0.003	<0.003	0.005	<0.003	0.007	0.008	<0.003	0.55	0.022	0.015	
VEW-2-5	12/16/2013	5	--	--	15	0.002	<0.001	0.012	0.033	<0.0005	9.95	0.012	0.004	0.004	<0.003	0.004	0.003	0.004	0.007	<0.003	0.006	<0.003	0.004	0.005	<0.003	0.056	0.011	0.005	
VEW-2-10	12/19/2013	10	--	--	40	0.002	<0.001	0.10	0.010	<0.0005	7.19	0.24	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.004	<0.003	<0.003	
VEW-2-15	12/19/2013	15	--	--	<1	0.002	<0.001	<0.001	<0.001	<0.0005	8.62	<0.001	<0.003	<0.003	<0.003	<0.003	0.004	0.006	<0.003	<0.003	0.006	<0.003	0.004	<0.003	<0.003	0.009	<0.003	0.004	
VEW-2-17	12/19/2013	17	--	--	1.3	0.003[d]	<0.001[d]	0.005[d]	0.002[d]	<0.0005[d]	9.58	<0.001[d]	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
Dual-Phase Extraction Wells																													
DPE-1-5	12/18/2013	5	--	--	<9.6	0.001	<0.001	<0.001	<0.001	<0.0005	11.0	<0.001	<0.033	<0.033	<0.033	<0.033	0.051	0.036	0.10	<0.033	0.079	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.040	
DPE-1-10	12/19/2013	10	--	--	1.2	0.004	<0.001	<0.001	<0.001	<0.0005	12.7	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-1-15	12/19/2013	15	--	--	1.0	0.004	<0.001	<0.001	<0.001	<0.0005	9.92	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-1-20	12/19/2013	20	--	--	180	0.035	<0.052	0.17	0.065	<0.026	3.71	0.21	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.012	0.012	<0.003	
DPE-1-25	12/19/2013	25	--	--	3,900	1.2	10	100	460	<0.26	4.10	33	0.035	0.019	0.017	0.012	0.004	<0.003	0.006	0.004	0.009	<0.003	0.010	0.023	<0.003	5.6	0.047	0.020	
DPE-1-30	12/19/2013	30	--	--	1,300	2.8	2.0	38	36	<0.047	7.12	12	0.045	0.025	0.023	0.011	0.006	0.005	0.006	0.005	0.009	<0.003	0.013	0.030	0.004	8.5	0.056	0.022	
DPE-1-35	12/19/2013	35	--	--	5.3	0.011	0.008	0.11	0.23	<0.0005	10.7	0.050	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.027	<0.003	<0.003	
DPE-1-41	12/19/2013	41	--	--	<1.0	0.001	<0.001	0.006	0.007	<0.0005	11.2	0.011	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.008	<0.003	<0.003	
DPE-1-45	12/19/2013	45	--	--	8.2	0.067	0.053	0.25[e]	0.71	<0.0005	11.0	0.026	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.044	<0.003	<0.003	
DPE-1-51	12/19/2013	51	--	--	9.2	0.002	0.001	0.004	0.009	<0.0005	12.0	<0.001	0.011	<0.003	0.020	0.015	0.020	0.018	0.017	0.007	0.014	<0.003	0.042	0.025	0.005	0.020	0.072	0.055	
DPE-1-52.5	12/19/2013	52.5	--	--	1.9	0.002[d]	0.001[d]	0.004[d]	0.008[d]	<0.0005[d]	10.3	0.001[d]	0.006	<0.003	0.014	0.011	0.016	0.011	0.012	0.005	0.013	<0.003	0.029	0.018	0.004	0.053	0.056	0.038	
DPE-2-5	12/17/2013	5	--	--	<1	0.002	<0.001	<0.001	<0.001	<0.0005	7.39	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-2-10	12/20/2013	10	--	--	<1	0.002	<0.001	<0.001	0.001	<0.0005	9.57	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.006	<0.003	<0.003	<0.003	<0.003	<0.003	0.008	0.007	
DPE-2-15	12/20/2013	15	--	--	3.2	0.030	<0.001	0.004	0.01	<0.0005	8.96	0.022	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.058	<0.003	<0.003	
DPE-2-20	12/20/2013	20	--	--	<1.0	0.004	<0.001	<0.001	<0.001	<0.0005	10.5	<0.001	<0.003	<0.003	<0.003	0.003	0.004	0.009	0.005	<0.003	0.006	<0.003	0.009	<0.003	<0.003	<0.003	0.015	0.010	
DPE-2-25	12/20/2013	25	--	--	610	0.19	<0.051	5.3	3.1	<0.025	7.65	4.3	0.021	0.013	0.014	0.005	0.003	<0.003	0.004	<0.003	<0.003	<0.003	0.007	0.028	<0.003	3.9	0.040	0.012	
DPE-2-30	12/20/2013	30	--	--	430	2.1	0.30	13	36	<0.024	8.44	4.0	0.013	0.006	0.006	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	0.011	<0.003	2.2	0.016	0.005	
DPE-2-35	12/20/2013	35	--	--	9.8	0.54	<0.001	0.009	0.006	0.0006	6.12	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-2-40	12/20/2013	40	--	--	<0.9	0.003	<0.0009	0.001	0.001	<0.0005	5.72	<0.0009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.006	<0.003	<0.003	
DPE-2-45	12/20/2013	45	--	--	<1.0	0.002	<0.001	<0.001	<0.001	<0.0005	4.90	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-2-50	12/20/2013	50	--	--	5.6	0.29	0.004	0.034	0.047	<0.0005	5.83	0.16	<0.003	<0.003	<0.003	<0.003	<0.003	0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.21	0.006	0.004	

TABLE 1
CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth	TOG	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Lead	Naph-thalene [b]	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoran-thene	Benzo (g, h, i) Perylene	Benzo (k) Fluoran-thene	Chrysene	Dibenz (a, h) Anthracene	Fluoran-thene	Fluorene	Indeno (1, 2, 3-cd) Pyrene	Naph-thalene [c]	Phenan-threne	Pyrene	Notes
		fbg	Concentrations in mg/kg																										
Low-Threat Underground Storage Tank Case Closure Criteria [a]																													
Vapor Intrusion to Indoor Air (0-10 fbg) (No LNAPL)			--	--	***100***	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Direct Contact (0-5 fbg)		***Residential***	--	--	--	***1.9***	--	***21***	--	--	--	***9.7***	--	--	--	--	***0.063***	--	--	--	--	--	--	--	--	--	***0.063***	--	--	
		Commercial	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercial	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility Worker***	--	--	--	***14***	--	***314***	--	--	--	***219***	--	--	--	--	***4.5***	--	--	--	--	--	--	--	--	--	***4.5***	--	--	
DPE-3-5	12/17/2013	5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	13.2	<0.001	<0.003	<0.003	<0.003	0.005	0.006	0.009	0.009	<0.003	0.009	0.004	0.007	<0.003	0.007	<0.003	0.005	0.01	
DPE-3-10	1/10/2014	10	--	--	<0.042	<.0005	<0.001	<0.001	<0.001	<0.0005	13.9	<0.001	<0.003	0.004	<0.003	0.012	0.020	0.019	0.023	0.008	0.019	0.005	0.026	<0.003	0.019	0.006	0.021	0.039	
DPE-3-15	1/10/2014	15	--	--	19	0.43	0.001	0.047	0.018	0.001	10.5	0.26	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.18	0.004	<0.003	
DPE-3-20	1/10/2014	20	--	--	700	7.7	0.87	14	65	<0.025	9.61	3.3	0.010	0.011	0.008	0.004	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.005	0.016	<0.003	2.7	0.023	0.008	
DPE-3-25	1/10/2014	25	--	--	12	0.54	0.002	0.46	0.082	0.002	8.98	0.081	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.031	<0.003	<0.003	
DPE-3-30	1/10/2014	30	--	--	<0.044	0.002	<0.001	0.001	0.002	0.005	6.78	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-3-35	1/10/2014	35	--	--	<0.045	<0.0005	<0.001	<0.001	<0.001	0.002	5.51	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
DPE-3-40	1/10/2014	40	--	--	<0.047	0.0009	<0.001	<0.001	<0.001	<0.0005	6.65	<0.001	0.005	<0.003	0.018	0.016	0.015	0.015	0.014	0.008	0.014	<0.003	0.033	0.024	0.007	0.040	0.068	0.043	

Notes/Abbreviations

mg/kg = Milligrams per kilogram.
<x = Indicates chemical not detected at or above reporting limit x.
fbg = Feet below grade.
ND = Non-detect.
-- = Not analyzed for this constituent.
~~100~~ = Excavated sample location.
NE = Not established.

2006, 2013, 2014 samples
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) and Naphthalene by EPA Method 8260B.
Total Lead by EPA Method 6010
Based on the seven carcinogenic poly-aromatic hydrocarbons (PAHs) as benzo(a)pyrene toxicity equivalent [BAPE]. PAH by EPA Method 8270

1996 samples
TPHg by Modified EPA Method 8015.
BTEX by EPA Method 8020.

1990 samples
TPHg by EPA Method 3550/8015.
BTEX by EPA Method 5020/8015/8020.
Lead by California LUFT Manual, 12/87.
Total oil and grease (TOG) by SM 503 D&E.

[a] The Low Threat Underground Storage Tank Case Closure Policy was established in 2012 by the State Water Board to provide standard statewide closure criteria for low threat UST sites that are subject to Chapter 6.7 of Division 20 of the Health and Safety Code and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations
[b] Naphthalene by EPA Method 8260B
[c] Naphthalene by EPA Method 8270C
[d] The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.
[e] The concentration reported for ethylbenzene is estimated since it exceeds the calibration range of the instrument when determined by the low level method, but is less than the quantitation limit when determined by the high level method. The result reported is from the high level determination.

Attachment A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

March 5, 2014

Mr. Eric Hetrick
Chevron Corporation
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via electronic mail to:
ehetrick@chevron.com)

Kevin & Julia Hinkley
Kevin Hinkley Service
5269 Crow Canyon Road
Castro Valley, CA 94552

Subject: Conditional Approval of Work Plan; Fuel Leak Case No. RO0000350 and GeoTracker Global ID T0600100344, Chevron #9-5607, 5269 Crow Canyon Road, Castro Valley, CA 94552

Dear Mr. Hetrick, and Mr. and Ms. Hinkley:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the *Work Plan for Groundwater Monitoring Well Installation*, dated January 20, 2014. The document was prepared and submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the work plan.

As requested by the November 12, 2013 directive letter for the site, the work plan proposed the installation of one monitoring well downgradient of well C-9 in order to define the length of the groundwater plume downgradient of the site at a location approximately 20 to 25 feet upgradient of Crow Creek. The work plan also proposed delaying execution of the work plan until the dual-phase extraction (DPE), currently under construction, has completed operation to the extent practicable. The work plan argued that continued groundwater monitoring at well C-9 may subsequently indicate decreasing dissolved hydrocarbon concentrations in well C-9 to the extent that the plume could be considered defined within the existing well network.

Based on ACEH staff review of the documents the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed field investigation. ACEH notes that well C-9 contains a 25 foot screen interval and significant dilution can occur and therefore the decreasing trend must account for the representativeness of the data from this well. Submittal of a further revised work plan or work plan addendum for this scope of work is not required unless an alternate scope of work outside that described in the work plan or technical comments below is proposed. We request that you perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Work Plan Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking, however; ACEH requests one modification to the approach. Please submit a report by the date specified below.

    a. **Well Screen Interval** – ACEH is in general agreement with the well screen interval from 10 or 15 feet below grade surface (bgs) to 20 feet bgs, provided groundwater is encountered within this interval.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **TBD – 9 Months After System Startup** - Soil and Groundwater Investigation Report
  File to be named: RO350_SWI_L_yyyy-mm-dd

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.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2014.03.05 10:02:47 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations and Electronic Report Upload (ftp) Instructions

cc: Brandon Wilken, 5900 Hollis Street, Suite A, Emeryville, CA 94608
(sent via electronic mail to bwilken@craworld.com)

Judy Gilbert, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608; (sent via electronic mail to: jgilbert@CRAworld.com)

Dilan Roe, ACEH (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements: (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

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, 7835, 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, late 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (petroleum UST and SCP) 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

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single Portable Document Format (PDF) with no password protection**.
- 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)

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 deh.loptoxic@acgov.org
   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, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   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 deh.loptoxic@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.

Gilbert, Judy

From: Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Sent: Monday, May 04, 2015 10:12 AM
To: Gilbert, Judy
Subject: RE: Former Chevron 95607 - Downgradient Monitoring Well Installation

Hi Judy,
Yes, I had gotten a notice that CRA had obtained the installation permit. It's unfortunate that the road no longer exists. In regards to the smaller borehole diameter, ACEH would not have an objection; however, would request an extra effort at developing the well as the smaller diameter is a bit more difficult to clean properly. And that can produce problems with the quality of groundwater samples thereafter (more sediment with the potential for absorbed TPH). In regards to the quote, I believe it relates to the first sentence in the "Well Installation" section that the borehole would be to a maximum of 20 ft; however, a 10 foot screen section is also acceptable provided it is rationalized as an appropriate interval. While ACEH prefers shorter screen intervals, it is also necessary to collect sufficient water from the wells and to ensure they are screened below the water table.
Hope this helps,

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: Gilbert, Judy [mailto:jgilbert@craworld.com]
Sent: Friday, May 01, 2015 10:30 AM
To: Detterman, Mark, Env. Health
Subject: Former Chevron 95607 - Downgradient Monitoring Well Installation

Hi Mark – We're moving forward with installing the additional monitoring well between C-16 and former well C-15 as described in our January 20, 2014 work and approved in your letter dated March 5, 2014. In preparing to install the well we have not been able to find a way to safely access the proposed well location area with a vehicle. The driller has indicated a willingness to hand auger the well. However, they will use a 6.5 inch diameter hand auger instead of an 8 inch diameter auger as described in the work plan. They would still install a 2 inch diameter well as planned. Any objections to the use of this smaller auger? Even though the attached site plan shows an "access road" our reconnaissance of the area has indicated that this road does not currently exist.

Also, could you clarify this statement from your March 5, 2014 letter

a. ***Well Screen Interval*** *– ACEH is in general agreement with the well screen interval from 10 or 15 feet below grade surface (bgs) to 20 feet bgs, provided groundwater is encountered within this interval.*

In our work plan we indicated a 5 foot well screen (from 10 to 15 feet bgs). Are you indicating in the statement above that we could install a 10 foot well screen from 10 to 20 feet bgs?

Thanks

Judy A. Gilbert
Conestoga-Rovers & Associates (CRA)
5900 Hollis Street, Suite A
Emeryville, CA 94608

Phone: 510.420.3314
Fax: 510.420.9170
Cell: 510.459.0460
Email: jgilbert@CRAworld.com
www.CRAworld.com
Think before you print
Perform every task the safe way, the right way, every time!

CRA and GHD have merged! To learn more, visit www.CRAworld.com/ghd

Attachment B

ACPWA Permit

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/28/2015 By jamesy

Permit Numbers: W2015-0350
Permits Valid from 05/12/2015 to 05/12/2015

Application Id:	1429117284180	**City of Project Site:**	Castro Valley
Site Location:	20435 Waterford Pl., Castro Valley		
Project Start Date:	05/12/2015	**Completion Date:**	05/12/2015
Assigned Inspector:	Contact Sam Brathwaite at (925) 570-7609 or sbrathwaite@groundzonees.com		
Applicant:	Conestoga Rovers & Associates - Belew Yifru 5900 Hollis Street, Suite A, Emeryville, CA 94608	**Phone:**	510-420-3356
Property Owner:	Forest Creek Townhomes Association Inc. 20111 Waterford Place, Castro Valley, CA 94552	**Phone:**	--
Client:	Chevron EMC 6101 Bollinger Canyon Road, San Ramon, CA 94583	**Phone:**	--

Total Due: $397.00
Receipt Number: WR2015-0198 **Total Amount Paid:** $397.00
Payer Name : Conestoga Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Gregg Drilling and Testing - Lic #: 485165 - Method: hstem **Work Total: $397.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2015-0350	04/28/2015	08/10/2015	C-17	8.00 in.	2.00 in.	8.00 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755

(Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie.

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

Attachment C

Boring Log

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	C-17
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	12-May-15
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	12-May-15
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	21-May-15
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	243.08 ft above msl
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	245.88 ft above msl
BORING DIAMETER	4"	**SCREENED INTERVALS**	10 to 19 fbg
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	10.00 fbg (12-May-15)
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	11.05 fbg (21-May-15)
REMARKS	Cleared to 8 fbg with hand auger. Drilling refusal at 19 fbg due to weathered bedrock.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Top Soil	1.0	
							Silty SAND: Light brown; moist; non plastic.		Portland Type I/II
8		C-17- 5		5	SM				Hydrated Bentonite Chips
								9.0	Monterey Sand #2/12
					ML		**Sandy SILT:** Dark brown; moist; low plasticity.	10.0	
40		C-17- 10		10			**CLAY:** Dark brown; moist; medium plasticity.		
							@ 10 fbg wet.		
					CL				
72		C-17- 15		15					1"-diam., 0.010" Slotted Schedule 40 PVC
								16.0	
							Silty SAND: Light brown; moist; non plastic.		
					SM				
87		C-17- 18						19.0	Bottom of Boring @ 19 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 6/24/15

Attachment D

Groundwater Monitoring and Sampling Package

GETTLER-RYAN INC.

TRANSMITTAL

June 2, 2015
G-R #386539

TO: Ms. Judy Gilbert
Conestoga-Rovers and Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Chevron Service Station
#9-5607
5269 Crow Canyon Road
Castro Valley, California
RO 0000350
RWQCB-Case No. 01-0375

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Well Development and Sampling Events of May 21 & 28, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-5607

Chevron # 9-5607

Event of May 21st, 2015

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-5607**
Site Address: **5269 Crow Canyon Road**
City: **Castro Valley, CA**

Job #: **386539**
Event Date: 5/21/15
Sampler: SV

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
C-17	ok	N/A	→	→	ok	→	→	Y	N	Monument	✓

Comments

STANDARD OPERATING PROCEDURE – WELL DEVELOPMENT
GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to well development, each well is monitored for the presence of free-phase hydrocarbons and the depth to water is recorded. Wells are then developed by alternately surging the well with the bailer, then purging the well with a pump to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #9-5607 | Job Number: 386539
Site Address: 5269 Crow Canyon Road | Event Date: 5/21/15 (inclusive)
City: Castro Valley, CA | Sampler: JH

Well ID: C-17 | Date Monitored: 5/21/15
Well Diameter: 1 in.
Initial Total Depth: 21.65 ft.
Final Total Depth: 21.65 ft.
Depth to Water: 11.05 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.60 xVF .04 = .42 x10 case volume = Estimated Purge Volume: 4.24 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.17

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer: X
Stack Pump
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 0730 | Weather Conditions: Cloudy
Sample Time/Date: — / — | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: Heavy
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: —

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0755	.5	7.61	936	20.7		
0810	1.0	7.60	922	20.6		
0830	1.5	7.58	913	20.5		
0850	2.0	7.55	910	20.2		
0915	2.5	7.52	904	20.1		
0935	3.0	7.48	899	20.1		
0955	3.5	7.47	896	20.1		
1020	4.0	7.45	892	20.0		
1055	4.5	7.41	890	20.0		
1130	5.0	7.36	887	19.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: INITIAL CGI READING: 0 ppm
DEVELOP ONLY

Add/Replaced Gasket: ____ Add/Replaced Bolt: ____ Add/Replaced Lock: X Add/Replaced Plug: ____

Chevron # 9-5607

Event of May 28th, 2015

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #9-5607**
Site Address: **5269 Crow Canyon Road**
City: **Castro Valley, CA**

Job #: **386539**
Event Date: 5.28.15
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	BOLTS (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y (N)	REPLACE CAP Y (N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y (N)
C-17	OK	→						N	N	MONUMENT	

Comments

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-5607 Job Number: 386539
Site Address: 5269 Crow Canyon Road Event Date: 5.28.15 (inclusive)
City: Castro Valley, CA Sampler: FT

Well ID C-17
Well Diameter (3/4) in.
Total Depth 21.65 ft.
Depth to Water 11.20 ft.
10.45 xVF .04 = .41

Date Monitored: 5.28.15

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: 1.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.29

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1230 Weather Conditions: SUNNY
Sample Time/Date: 1310 / 5.28.15 Water Color: BRN. Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 11.25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1240	.25	7.58	672	18.6		
1250	.50	7.57	670	18.7		
1300	1.0	7.55	667	18.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-17	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/8 OXYS(8260)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

1 of 1

SCR #: _____

1 Client Information

Facility #: GS#9-5607-OML G-R#386539 Global ID#T0600100344
Site Address: 5268 CROW CANYON ROAD, CASTRO VALLEY, CA
Chevron PM: ERIN CRAJG
Lead Consultant: Gilbert
Consultant/Office: Getler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr: Deanna L. Harding, deanna@grinc.com
Consultant Phone #: (925) 551-7444 x180
Sampler: FRANK TERRINONI

4 Matrix

Soil ☐ Sediment ☐
Water ☒ Ground ☐ Potable ☐ NPDES ☐ Surface ☐
Oil ☐ Air ☐

3 Grab / Composite

5 Analyses Requested

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	3 Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8260 ☒ / 8021 ☐	TPH-GRO 8260 ☐ / 8015 ☒	TPH-DRO 8015 without Silica Gel Cleanup ☐	TPH-DRO 8015 with Silica Gel Cleanup ☐	8260 Full Scan	8 Oxygenates (8260)	Total Lead Method ____	Dissolved Lead Method ____
QA		5.28.15					W		2	X	X						
C-17		↓	1310	X			↓		6	X	X				X		

Results in Dry Weight ☐
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 ☐

6 Remarks

Please forward the lab results directly to the Lead Consultant and cc: G-R.

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour | EDF/EDD

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5.29.15	10-	[signature]	5/29/15	10-
Relinquished by	Date	Time	Received by	Date	Time

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)
Other: _____

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Received by | Date | Time

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

9

Attachment E

Laboratory Analytical Reports

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

June 09, 2015

Project: 95607

Submittal Date: 05/30/2015
Group Number: 1565155
PO Number: 0015164161
Release Number: HETRICK
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150528 NA Water	7908389
C-17-W-150528 Grab Groundwater	7908390

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: Judy Gilbert
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150528 NA Water
Facility# 95607 Job# 386539 GRD
5269 Crow Canyon-Castro Va T0600100344

LL Sample # WW 7908389
LL Group # 1565155
Account # 10904

Project Name: 95607

Collected: 05/28/2015

Submitted: 05/30/2015 09:45
Reported: 06/09/2015 18:48

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

CCCQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z151553AA	06/04/2015 12:33	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151553AA	06/04/2015 12:33	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 13:34	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 13:34	Marie D Beamenderfer	1

Sample Description: C-17-W-150528 Grab Groundwater
Facility# 95607 Job# 386539 GRD
5269 Crow Canyon-Castro Va T0600100344

LL Sample # WW 7908390
LL Group # 1565155
Account # 10904

Project Name: 95607

Collected: 05/28/2015 13:10 by FT

Submitted: 05/30/2015 09:45
Reported: 06/09/2015 18:48

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

CCC17

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10945	t-Amyl methyl ether	994-05-8	N.D.		0.5	1
10945	Benzene	71-43-2	9		0.5	1
10945	t-Butyl alcohol	75-65-0	4	J	2	1
10945	1,2-Dibromoethane	106-93-4	N.D.		0.5	1
10945	1,2-Dichloroethane	107-06-2	N.D.		0.5	1
10945	Ethanol	64-17-5	N.D.		50	1
10945	Ethyl t-butyl ether	637-92-3	N.D.		0.5	1
10945	Ethylbenzene	100-41-4	0.9	J	0.5	1
10945	di-Isopropyl ether	108-20-3	N.D.		0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1
10945	Toluene	108-88-3	N.D.		0.5	1
10945	Xylene (Total)	1330-20-7	0.9	J	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,600		250	5

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX + 8 Oxygenates 8260 Water	SW-846 8260B	1	Z151553AA	06/04/2015 16:33	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151553AA	06/04/2015 16:33	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 20:33	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 20:33	Marie D Beamenderfer	5

Quality Control Summary

Client Name: Chevron Group Number: 1565155
Reported: 06/09/2015 18:48

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Z151553AA	Sample number(s): 7908389-7908390							
t-Amyl methyl ether	N.D.	0.5	ug/l	88	90	75-120	3	30
Benzene	N.D.	0.5	ug/l	84	84	78-120	0	30
t-Butyl alcohol	N.D.	2.	ug/l	96	96	78-121	0	30
1,2-Dibromoethane	N.D.	0.5	ug/l	90	85	80-120	6	30
1,2-Dichloroethane	N.D.	0.5	ug/l	89	89	72-127	0	30
Ethanol	N.D.	50.	ug/l	85	87	49-144	2	30
Ethyl t-butyl ether	N.D.	0.5	ug/l	87	89	69-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	88	83	80-120	5	30
di-Isopropyl ether	N.D.	0.5	ug/l	85	86	70-124	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90	95	75-120	5	30
Toluene	N.D.	0.5	ug/l	89	84	80-120	5	30
Xylene (Total)	N.D.	0.5	ug/l	92	86	80-120	7	30
Batch number: 15152A20A	Sample number(s): 7908389-7908390							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	92		80-139		

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: 15152A20A	Sample number(s): 7908389-7908390 UNSPK: P906526								
TPH-GRO N. CA water C6-C12	108	108	92-144	1	30				

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 + 8 Oxygenates 8260 Water
Batch number: Z151553AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7908389	104	102	102	94
7908390	87	82	103	101
Blank	93	88	95	96

*- Outside of specification
(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: Chevron Group Number: 1565155
Reported: 06/09/2015 18:48

Surrogate Quality Control

LCS	101	97	99	106
LCSD	102	100	93	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15152A20A

	Trifluorotoluene-F
7908389	97
7908390	102
Blank	97
LCS	100
MS	102
MSD	101
Limits:	63-135

*- Outside of specification
(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

eurofins | Lancaster Laboratories

Acct. # 10904 For Eurofins Lancaster Laboratories use only Group # 1565155 Sample # 7906389-90
Instructions on reverse side correspond with circled numbers.

052915-03

1 of 1

SCR #: _____

1 Client Information

Facility # SS#9-5607-OML G-R#386539 Global ID#T0600100344 WPS#

Site Address 5269 CROW CANYON ROAD, CASTRO VALLEY, CA

Chevron PM EH CRAJG Lead Consultant Gilbert

Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com

Consultant Phone # (925) 551-7444 x180

Sampler FRANK TERRINONI

4 Matrix

Soil	Water	Sediment	Potable	Ground	NPDES	Surface	Air	Oil
☐	☒	☐	☐	☐	☐	☐	☐	☐

5 Analyses Requested

Total Number of Containers	BTEX + MTBE 8021	BTEX + MTBE 8260	TPH-GRO 8015	TPH-GRO 8260	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates (8260) 8	Total Lead Method	Dissolved Lead Method
	☐	☒	☐	☒	☐	☐				

☐ Results in Dry Weight
☐ 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

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	TPH-GRO 8260	Oxygenates (8260) 8
QA		5.28.15				2	X	X	
C-17		↓	1310	X		6	X	X	X

6 Remarks

Please forward the lab results directly to the Lead Consultant and cc: G-R.

7 Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day
72 hour 48 hour 24 hour **EDF/EDD**

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)
Other: _____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5.29.15	10-	[signature]	5/29/15	10-
[signature]	29MAY15	1638	FX		

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Received by [signature] Date 5/30/15 Time 0915

Temperature Upon Receipt 1.7 °C

Custody Seals Intact? (Yes) No

9

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	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 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. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

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.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

May 22, 2015

Project: 95607

Submittal Date: 05/13/2015
Group Number: 1560751
PO Number: 0015164161
Release Number: HETRICK
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
C-17-S-5-150512 NA Soil	7885458
C-17-S-10-150512 NA Soil	7885459
C-17-S-15-150512 NA Soil	7885460
C-17-S-18-150512 NA Soil	7885461

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	CRA	Attn: Judy Gilbert
ELECTRONIC COPY TO	Chevron	Attn: CRA EDD

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: C-17-S-5-150512 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7885458
LL Group # 1560751
Account # 10880

Project Name: 95607

Collected: 05/12/2015 08:20 by BY

Submitted: 05/13/2015 09:15
Reported: 05/22/2015 19:57

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C17-5

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10237	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.	0.5	1.0	25.96

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B151352AA	05/15/2015 18:57	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15134A34A	05/14/2015 20:12	Jeremy C Giffin	25.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:49	Mitchell R Washel	n.a.

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

Sample Description: C-17-S-10-150512 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7885459
LL Group # 1560751
Account # 10880

Project Name: 95607

Collected: 05/12/2015 09:00 by BY

Submitted: 05/13/2015 09:15
Reported: 05/22/2015 19:57

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1710

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**	
10237	Benzene	71-43-2	N.D.	0.025	0.25	50.71
10237	Ethylbenzene	100-41-4	N.D.	0.051	0.25	50.71
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.71
10237	Naphthalene	91-20-3	N.D.	0.051	0.25	50.71
10237	Toluene	108-88-3	N.D.	0.051	0.25	50.71
10237	Xylene (Total)	1330-20-7	N.D.	0.051	0.25	50.71
Reporting limits were raised due to interference from the sample matrix.						
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	18	2.0	4.0	101.21

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q151411AA	05/21/2015 16:47	Anita M Dale	50.71
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:45	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15134A34A	05/14/2015 21:59	Jeremy C Giffin	101.21
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:46	Mitchell R Washel	n.a.

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

Sample Description: C-17-S-15-150512 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7885460
LL Group # 1560751
Account # 10880

Project Name: 95607

Collected: 05/12/2015 09:30 by BY

Submitted: 05/13/2015 09:15
Reported: 05/22/2015 19:57

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1715

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	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.	0.5	1.0	26.12

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B151352AA	05/15/2015 19:19	Angela D Sneeringer	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:42	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15134A34A	05/14/2015 20:47	Jeremy C Giffin	26.12
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:43	Mitchell R Washel	n.a.

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

Sample Description: C-17-S-18-150512 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7885461
LL Group # 1560751
Account # 10880

Project Name: 95607

Collected: 05/12/2015 09:55 by BY

Submitted: 05/13/2015 09:15
Reported: 05/22/2015 19:57

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1718

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	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.	N.D.	0.5	1.0	25.13

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B151352AA	05/15/2015 19:42	Angela D Sneeringer	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201513337639	05/13/2015 18:48	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:39	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15134A34A	05/14/2015 21:23	Jeremy C Giffin	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201513337639	05/13/2015 18:40	Mitchell R Washel	n.a.

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1560751
Reported: 05/22/2015 19:57

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: B151352AA	Sample number(s): 7885458,7885460-7885461								
Benzene	N.D.	0.0005	0.005	mg/kg	100	102	80-120	3	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	112	108	72-120	4	30
Naphthalene	N.D.	0.001	0.005	mg/kg	106	96	64-120	10	30
Toluene	N.D.	0.001	0.005	mg/kg	100	102	80-120	3	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	99	101	80-120	3	30
Batch number: Q151411AA	Sample number(s): 7885459								
Benzene	N.D.	0.025	0.25	mg/kg	106	100	80-120	6	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	102	97	80-120	6	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	101	94	72-120	7	30
Naphthalene	N.D.	0.050	0.25	mg/kg	82	76	64-120	8	30
Toluene	N.D.	0.050	0.25	mg/kg	106	99	80-120	7	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	102	95	80-120	8	30
Batch number: 15134A34A	Sample number(s): 7885458-7885461								
TPH-GRO N. CA soil C6-C12	N.D.	0.5	1.0	mg/kg	91	92	73-120	1	30

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: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: B151352AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7885458	107	102	99	93
7885460	107	105	100	95
7885461	105	102	100	94
Blank	107	106	94	93
LCS	104	107	102	104
LCSD	105	104	102	103
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 BTEX/MTBE/Naph Soil
Batch number: Q151411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- 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: 1560751
Reported: 05/22/2015 19:57

Surrogate Quality Control

7885459	82	86	87	85
Blank	88	95	93	88
LCS	97	104	102	98
LCSD	90	93	93	89
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15134A34A

	Trifluorotoluene-F
7885458	84
7885459	89
7885460	90
7885461	88
Blank	100
LCS	103
LCSD	103
Limits:	50-142

*- 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

eurofins | Lancaster Laboratories Environmental

05 1215-01

Acct. # 10880 | For Eurofins Lancaster Laboratories Environmental use only | Group # 1560751 | Sample # 7885458-61

Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # WBS: FORMER CHEVRON 9 5607

Site Address: 5269 CROW CANYON RD

Chevron PM: ERIC HETRICK

Lead Consultant:

Consultant/Office: CRA / EMERYVILLE CA

Consultant Project Mgr.: JUDY GILBERT

Consultant Phone #: 510 420 3314

Sampler: BELEN YIFRU

4 Matrix

Soil ☐ | Sediment ☐ | Water: Ground ☐ Potable ☐ Surface ☐ NPDES ☐ | Oil ☐ | Air ☐

5 Analyses Requested

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021 ☐	BTEX + MTBE 8260 ☒	TPH-GRO 8015 ☒	TPH-GRO 8260 ☐	TPH-DRO 8015 without Silica Gel Cleanup ☐	TPH-DRO 8015 with Silica Gel Cleanup ☐	8260 Full Scan	Oxygenates _____	Total Lead Method _____	Dissolved Lead Method _____	NAPHTHALENE BY 8260			
C-17-5	5	5/12/15	8:20			X			1		X	X								X			
C-17-10	10	5/12/15	9:00			X			1		X	X								X			
C-17-15	15	5/12/15	9:30			X			1		X	X								X			
C-17-18	18	5/12/15	9:55			X			1		X	X								X			

- ☐ Results in Dry Weight
- ☐ 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

6 Remarks

PLEASE SEND RESULTS TO jgilbert@craworld.com

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	5/12/15	13:30		12MAY15	1338
	12MAY15	1638	FX		
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____					
Temperature Upon Receipt 1.2-1.6 °C			Custody Seals Intact? Yes / No		

9

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	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 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. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

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.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Attachment F

Waste Disposal Project Summary and Manifest

One Team Waste Services

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

PROJECT SUMMARY

TO:	North American Waste Tracking Desk	REF. NO:	311950-WR3009-COOR
CHEVRON PM:	Eric Hetrick	EMC BUSINESS UNIT:	MBU
FROM:	Mohamed Ibrahim	DATE:	June 13, 2015
SUPPLIER PM:	Judy Gilbert	SUPPLIER COMPANY	CRA

RE: Chevron 95607–WR3009- Disposal of Hazardous and Non-Hazardous Waste

This summary is for Waste Pick-up and Disposal for Waste Request 3009. Transportation and disposal consisted of 1 drum of soil contaminated with petroleum products (non-hazardous), generated from site assessment activities.

GENERATOR/SITE INFORMATION

Facility ID: 95607 Facility Name: Chevron 95607
Location: 5269 Crow Canyon Rd. Castro Valley, CA 94552

WASTESTREAM INFORMATION

Profile: CH700224 Wastestream Name: Soil Contaminated with Petroleum Products (Non-Hazardous)

SHIPPING INFORMATION

Transporter: Clean Harbor Environmental Services, Inc.

DISPOSAL FACILITY INFORMATION

Manifest No.: WR3009-001 Ship Date: 5/28/15
Facility: Clean Harbor San Jose, LLC. Received Date: 6/3/15
Location: 1021 Berryessa Road, San Jose, CA 95133

ATTACHMENTS

Final Manifest(s)/Bill of Lading	☑	DTSC Stamped Manifest	☐
Generator Manifest(s)/Bill of Lading	☑	LDR (if applicable)	☐
Profile Approval (if available)	☑	Signed Profile	☑
Analytical	☑	Certificate of Destruction (COD)	☐
Other: _____	☐		

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
C A R 0 0 0 1 4 9 7 1 6	1	1-800-424-9300	WR3009-001

GENERATOR

5. Generator's Name and Mailing Address
Chevron 95607
PO Box 6004 - Chevron EMC Waste Desk
San Ramon, CA 94583
Generator's Phone: 877 386-6044

Generator's Site Address (if different than mailing address)
5269 Crow Canyon Rd.
CASTRO VALLEY, CA 94552

6. Transporter 1 Company Name
Clean Harbors Environmental Services Inc
U.S. EPA ID Number
MAD039322250

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

8. Designated Facility Name and Site Address
Clean Harbors San Jose, LLC
1021 Berryessa Road
San Jose, CA 95133
Facility's Phone: 408-441-0962
U.S. EPA ID Number
C A D 0 5 9 4 9 4 3 1 0

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	NON DOT REGULATED MATERIAL (Soil Contaminated with Petroleum Products, Non-Hazardous)	001	DM	200	P	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1. PROFILE #CH700224
1455
Wear level D PPE, gloves, goggles, splash protection (if liquids present).
WR3009 | ERG: N/A
SO #0015171791
1501667115

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: BELEW BY 5/28/15 AS AGENT FOR CHEVRON EMC BELEW YIFRU
Signature: AS AGENT FOR CEMC
Month: 5 Day: 28 Year: 15

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: 5225 John R Ferleta
Signature: JR
Month: 5 Day: 28 Year: 15

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

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Deborah Fingels
Signature: Deborah Fingels
Month: 06 Day: 03 Year: 15

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
CAR000149716	1	1-800-424-9300	WR3009-001

GENERATOR

5. Generator's Name and Mailing Address
Chevron 95607
PO Box 6004 - Chevron EMC Waste Desk
San Ramon, CA 94583
Generator's Phone: 877 386-6044

Generator's Site Address (if different than mailing address)
5269 Crow Canyon Rd.
CASTRO VALLEY, CA 94552

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

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

8. Designated Facility Name and Site Address
Clean Harbors San Jose, LLC
1021 Berryessa Road
San Jose, CA 95133
Facility's Phone: 408-441-0962

U.S. EPA ID Number: CAD059494310

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON DOT REGULATED MATERIAL (Soil Contamminated with Petroleum Products, Non-Hazardous)	001	DM	200	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1. PROFILE #CH700224
1X55
Wear level D PPE, gloves, goggles, splash protection (if liquids present).
WR3009 | ERG: N/A
SO #0015171791

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: BY 5/28/15 BELEW YIERU AS AGENT FOR CHEVRON EMC — Signature: AS AGENT FOR CEMC — Month: 5 — Day: 28 — Year: 15

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: 5225 John D Fedeli — Signature — Month: J — Day: 28 — Year: 15

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

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

GENERATOR'S/SHIPPER'S INITIAL COPY

Profile Summary Report

Generator	**CH6369**	**Chevron EMC**	**Chevron 95607 5269 Crow Canyon Road**	**Castro Valley**	**CA**	**94552**
Customer	**CH3122**	**Chevron EMC**	**6001 Bollinger Canyon Road**	**San Ramon**	**CA**	**94583**

Clean Harbors Profile No.	Waste Description	Waste Classification Codes	Profile Type	Approval Status	Exp. Date
CH584769	Soil/Debris contaminated w/Petroleum Products, Non-Hazardous	CNO	I	Expired	9/13/2013
	EPA/State/Provincial Waste Codes				
	DOT Ship Information	NON DOT REGULATED MATERIAL, (SOIL/DEBRIS CONTAMINATED WITH PETROLEUM PRODUCTS, NON-HAZARDOUS)			
	Approved Facilities	AKR - Akron, OH (Kent) - AC, BL - Buttonwillow, CA Facility, CAS - Caseyville, IL (St. Louis), CLA - Clackamas, OR - AC, CRR - Cranston, RI (ALR) - RC, DNR - Denton, TX - RC, DOR - Dolton, IL - RC, DR - Deer Trail, CO Facility, EAA - Eagan, MN - AC, ELM - El Monte, CA - AC, GM - Grassy Mountain, UT Facility, JAR - Jackson, MS (Atlantic) - RC, LER - Lexington, SC - RC, LIN - Linden, NJ - RC, MMA - Mason, MI (Lansing) - AC, MRA - Marlborough, MA - AC, SCA - Sacramento, CA - AC, SJ - San Jose, CA Facility, SMR - Smithfield, KY - RC, WI - Wilmington, CA Facility			
CH700224	Soil Contaminated With Petroleum Products, Non-Hazardous	CBP	I	Approved	5/15/2016
	EPA/State/Provincial Waste Codes	; OUTS3191			
	DOT Ship Information	NON DOT REGULATED MATERIAL, (SOIL CONTAMINATED WITH PETROLUEM PRODUCTS, NON-HAZARDOUS)			
	Approved Facilities	AG - Aragonite, UT Facility, BL - Buttonwillow, CA Facility, DR - Deer Trail, CO Facility, GM - Grassy Mountain, UT Facility, KP - Kimball, NE Facility, LS - Los Angeles, CA Facility, SJ - San Jose, CA Facility, WI - Wilmington, CA Facility			
CH744343	Construction, Demolition Debris and Soil (Non-Regulated)	CNO	I	Expired	1/24/2015
	EPA/State/Provincial Waste Codes	; OUTS4091			
	DOT Ship Information	NON DOT REGULATED MATERIAL, (CONSTRUCTION, DEMOLITION DEBRIS AND SOIL)			
	Approved Facilities	AG - Aragonite, UT Facility, BL - Buttonwillow, CA Facility, DR - Deer Trail, CO Facility, GM - Grassy Mountain, UT Facility, LT - La Porte, TX Facility, SJ - San Jose, CA Facility, WI - Wilmington, CA Facility			
CH744829	Petroleum Contact Water, Non-Hazardous	CNOS	I	Expired	1/24/2015
	EPA/State/Provincial Waste Codes	; OUTS6091			
	DOT Ship Information	NON DOT REGULATED MATERIAL, (PETROLEUM CONTACT WATER, NON-HAZARDOUS)			
	Approved Facilities	BL - Buttonwillow, CA Facility, DR - Deer Trail, CO Facility, GM - Grassy Mountain, UT Facility, LT - La Porte, TX Facility, SJ - San Jose, CA Facility, WI - Wilmington, CA Facility			
CH745101	CORROSIVE LIQUIDS UN3266 (HAZARDOUS)	CCSS	I	Expired	1/23/2015
	EPA/State/Provincial Waste Codes	D002; 122, OUTS110H			
	DOT Ship Information	RQ, UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (CALCIUM OXIDE, CALCIUM HYDROXIDE), 8, PG III (D002)			
	Approved Facilities	AG - Aragonite, UT Facility, BL - Buttonwillow, CA Facility, DR - Deer Trail, CO Facility, GM - Grassy Mountain, UT Facility, KP - Kimball, NE Facility, LS - Los Angeles, CA Facility, LT - La Porte, TX Facility, SJ - San Jose, CA Facility, WI - Wilmington, CA Facility			

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH700224

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CAR000149716*** GENERATOR NAME: ***Chevron EMC***

GENERATOR CODE (Assigned by Clean Harbors) ***CH6369*** CITY ***Castro Valley*** STATE/PROVINCE ***CA*** ZIP/POSTAL CODE ***94552***

ADDRESS ***Chevron 95607 5269 Crow Canyon Road*** PHONE: **(408) 433-1990**

CUSTOMER CODE (Assigned by Clean Harbors) ***CH3122*** CUSTOMER NAME: ***Chevron EMC***

ADDRESS ***6001 Bollinger Canyon Road*** CITY ***San Ramon*** STATE/PROVINCE ***CA*** ZIP/POSTAL CODE ***94583***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Soil Contaminated With Petroleum Products, Non-Hazardous***

PROCESS GENERATING WASTE: **Investigation or Remediation of Past Contamination associated with UST Corrective Action 40 CFR Part 280**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- [ ] % FREE LIQUID
- [ ] % SETTLED SOLID
- [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)
- [ ] 1 - 100 (e.g. Water)
- [ ] 101 - 500 (e.g. Motor Oil)
- [ ] 501 - 10,000 (e.g. Molasses)
- [ ] > 10,000

COLOR

Varies

ODOR
- [x] NONE
- [ ] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- [ ] <= 95 (<=35)
- [ ] 95 - 100 (35-38)
- [ ] 101 - 129 (38-54)
- [ ] >= 130 (>54)

MELTING POINT °F (°C)
- [ ] < 140 (<60)
- [ ] 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- [ ] 1-9%
- [ ] >= 10%

FLASH POINT °F (°C)
- [ ] < 73 (<23)
- [ ] 73 - 100 (23-38)
- [ ] 101 -140 (38-60)
- [ ] 141 -200 (60-93)
- [ ] > 200 (>93)

pH
- [ ] <= 2
- [ ] 2.1 - 6.9
- [ ] 7 (Neutral)
- [x] 7.1 - 12.4
- [ ] >= 12.5

SPECIFIC GRAVITY
- [ ] < 0.8 (e.g. Gasoline)
- [ ] 0.8-1.0 (e.g. Ethanol)
- [ ] 1.0 (e.g. Water)
- [ ] 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- [ ] < 0.1
- [ ] 0.1 - 1.0
- [ ] 1.1 - 5.0
- [ ] 5.1 - 20.0
- [ ] > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- [ ] 2,000-5,000 (4.6-11.6)
- [ ] 5,000-10,000 (11.6-23.2)
- [ ] > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
BENZENE	0.0010000	--	7.7000000	PPM
C6-C12-TPH-GRO	19.0000000	--	700.0000000	PPM
CONSTRUCTION DEBRIS (CONCRETE, ASPHALT, PPE)	0.0000000	--	5.0000000	%
LEAD	5.5100000	--	13.2000000	PPM
SOIL	95.0000000	--	100.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G39*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W319***

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge ☑ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0		*13.2000000*	*PPM*	
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	☑ OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code: ***outs3191***

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? _____ Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON DOT REGULATED MATERIAL, (SOIL CONTAMINATED WITH PETROLUEM PRODUCTS, NON-HAZARDOUS)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY ☑ OTHER ***As Needed***

☑ **CONTAINERIZED**

2-2 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***2***

CONTAINER TYPE:

CUBIC YARD BOX PALLET

TOTE TANK ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

Wear Level D PPE, Gloves, Goggles, Splash Protection (if liquids present)

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
, as agent for CEMC	Mohamed Ibrahim, as agent for CEMC	SME/Conestoga-Rovers & Associates	5/15/15

This waste profile has been submitted using Clean Harbors' electronic signature system.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

January 20, 2014

Project: 95607

Submittal Date: 01/11/2014
Group Number: 1445316
PO Number: 0015118368
Release Number: HOPKINS/HETRICK
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
DPE-3-S-10-140110 Grab Soil	7333586
DPE-3-S-15-140110 Grab Soil	7333587
DPE-3-S-20-140110 Grab Soil	7333588
DPE-3-S-25-140110 Grab Soil	7333589
DPE-3-S-30-140110 Grab Soil	7333590
DPE-3-S-35-140110 Grab Soil	7333591
DPE-3-S-40-140110 Grab Soil	7333592
WASTE-1-W-140110 Grab Water	7333593

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: Judy Gilbert

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

Sample Description: **DPE-3-S-10-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333586
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:05 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP310

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	C6-C12-TPH-GRO	n.a.	N.D.	0.042	0.11	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.004	0.003	0.017	1
10724	Anthracene	120-12-7	N.D.	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.012	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.020	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.019	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.023	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.008	0.003	0.017	1
10724	Chrysene	218-01-9	0.019	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	0.005	0.003	0.017	1
10724	Fluoranthene	206-44-0	0.026	0.003	0.017	1
10724	Fluorene	86-73-7	N.D.	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	0.019	0.003	0.017	1
10724	Naphthalene	91-20-3	0.006	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.021	0.003	0.017	1
10724	Pyrene	129-00-0	0.039	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	13.9	0.495	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 07:18	Stephanie A Selis	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.

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

Sample Description: DPE-3-S-10-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333586
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:05 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP310

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:01	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/20/2014 01:58	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:36	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: DPE-3-S-15-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333587
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:35 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP315

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**	
10237	Benzene	71-43-2	0.43	0.024	0.24	47.26
10237	C6-C12-TPH-GRO	n.a.	19	2.1	5.2	47.26
10237	Ethylbenzene	100-41-4	0.047	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	0.26	0.001	0.005	1.02
10237	Toluene	108-88-3	0.001	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.018	0.001	0.005	1.02
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	N.D.	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	N.D.	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10724	Fluorene	86-73-7	N.D.	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.003	0.017	1
10724	Naphthalene	91-20-3	0.18	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.004	0.003	0.017	1
10724	Pyrene	129-00-0	N.D.	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	10.5	0.490	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 09:10	Stephanie A Selis	1.02
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	R140191AA	01/19/2014 18:29	Sarah A Guill	47.26

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

Sample Description: DPE-3-S-15-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333587
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:35 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP315

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:04	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 21:33	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:40	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: **DPE-3-S-20-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333588
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:50 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP320

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**	
10237	Benzene	71-43-2	7.7	0.025	0.25	50.81
10237	C6-C12-TPH-GRO	n.a.	700	22	56	508.13
10237	Ethylbenzene	100-41-4	14	0.051	0.25	50.81
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.81
10237	Naphthalene	91-20-3	3.3	0.051	0.25	50.81
10237	Toluene	108-88-3	0.87	0.051	0.25	50.81
10237	Xylene (Total)	1330-20-7	65	0.51	2.5	508.13
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.010	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.011	0.003	0.017	1
10724	Anthracene	120-12-7	0.008	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.004	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	N.D.	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	0.005	0.003	0.017	1
10724	Fluorene	86-73-7	0.016	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.003	0.017	1
10724	Naphthalene	91-20-3	2.7	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.023	0.003	0.017	1
10724	Pyrene	129-00-0	0.008	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.61	0.490	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	R140191AA	01/19/2014 19:16	Sarah A Guill	50.81
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	R140191AA	01/19/2014 19:40	Sarah A Guill	508.13

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

Sample Description: DPE-3-S-20-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333588
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 09:50 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP320

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:06	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 21:57	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:44	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: DPE-3-S-25-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333589
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:10 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP325

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**	
10237	Benzene	71-43-2	0.54	0.025	0.25	49.12
10237	C6-C12-TPH-GRO	n.a.	12	2.2	5.4	49.12
10237	Ethylbenzene	100-41-4	0.46	0.049	0.25	49.12
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	0.081	0.001	0.005	0.99
10237	Toluene	108-88-3	0.002	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.082	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	N.D.	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	N.D.	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10724	Fluorene	86-73-7	N.D.	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.003	0.017	1
10724	Naphthalene	91-20-3	0.031	0.003	0.017	1
10724	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10724	Pyrene	129-00-0	N.D.	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.98	0.490	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 09:32	Stephanie A Selis	0.99
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	R140191AA	01/19/2014 18:53	Sarah A Guill	49.12

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

Sample Description: DPE-3-S-25-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333589
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:10 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP325

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:09	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 22:21	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:48	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: **DPE-3-S-30-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333590
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:30 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP330

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**	
10237	Benzene	71-43-2	0.002	0.0005	0.005	0.99
10237	C6-C12-TPH-GRO	n.a.	N.D.	0.044	0.11	0.99
10237	Ethylbenzene	100-41-4	0.001	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.005	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.002	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	N.D.	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	N.D.	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10724	Fluorene	86-73-7	N.D.	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.003	0.017	1
10724	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10724	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10724	Pyrene	129-00-0	N.D.	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	6.78	0.490	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 07:40	Stephanie A Selis	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.

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

Sample Description: DPE-3-S-30-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333590
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:30 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP330

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:12	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 22:45	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:52	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: **DPE-3-S-35-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333591
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:55 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP335

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	C6-C12-TPH-GRO	n.a.	N.D.	0.045	0.11	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	N.D.	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	N.D.	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	N.D.	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	N.D.	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	N.D.	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	N.D.	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	N.D.	0.003	0.017	1
10724	Fluorene	86-73-7	N.D.	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.003	0.017	1
10724	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10724	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10724	Pyrene	129-00-0	N.D.	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	5.51	0.500	1.50	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 08:02	Stephanie A Selis	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.

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

Sample Description: **DPE-3-S-35-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333591
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 10:55 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP335

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:14	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 23:09	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 08:56	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: **DPE-3-S-40-140110 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333592
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 12:30 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP340

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**	
10237	Benzene	71-43-2	0.0009	0.0005	0.005	1.06
10237	C6-C12-TPH-GRO	n.a.	N.D.	0.047	0.12	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
	The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.					
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.005	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	0.018	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.016	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.015	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.015	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.014	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.008	0.003	0.017	1
10724	Chrysene	218-01-9	0.014	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.003	0.017	1
10724	Fluoranthene	206-44-0	0.033	0.003	0.017	1
10724	Fluorene	86-73-7	0.024	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	0.007	0.003	0.017	1
10724	Naphthalene	91-20-3	0.040	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.068	0.003	0.017	1
10724	Pyrene	129-00-0	0.043	0.003	0.017	1
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	6.65	0.485	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	GRO C6-C12/BTEX/MTBE/Naph Soil	SW-846 8260B	1	B140151AA	01/15/2014 08:25	Stephanie A Selis	1.06

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

Sample Description: DPE-3-S-40-140110 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # SW 7333592
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 12:30 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DP340

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201401333603	01/13/2014 09:17	Larry E Bevins	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	14017SLA026	01/19/2014 23:33	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	14017SLA026	01/17/2014 16:40	JoElla L Rice	1
06955	Lead	SW-846 6010B	1	140135708002	01/14/2014 09:00	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140135708002	01/13/2014 22:37	Annamaria Kuhns	1

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

Sample Description: WASTE-1-W-140110 Grab Water
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344

LL Sample # WW 7333593
LL Group # 1445316
Account # 10880

Project Name: 95607

Collected: 01/10/2014 13:45 by AG

Submitted: 01/11/2014 09:25
Reported: 01/20/2014 17:12

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

WASTE

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**	
10945	Benzene	71-43-2	4	0.5	1	1
10945	C6-C12-TPH-GRO	n.a.	680	22	50	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Naphthalene	91-20-3	N.D.	1	4	1
10945	Toluene	108-88-3	1	0.5	1	1
10945	Xylene (Total)	1330-20-7	37	0.5	1	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F140151AA	01/15/2014 09:43	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140151AA	01/15/2014 09:43	Anita M Dale	1

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1445316
Reported: 01/20/14 at 05:12 PM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: B140151AA	Sample number(s): 7333586-7333587,7333589-7333592								
Benzene	N.D.	0.0005	0.005	mg/kg	99	102	80-120	3	30
C6-C12-TPH-GRO	N.D.	0.044	0.11	mg/kg	114	114	80-131	0	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	93	95	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	101	101	69-126	0	30
Naphthalene	N.D.	0.001	0.005	mg/kg	84	88	59-123	4	30
Toluene	N.D.	0.001	0.005	mg/kg	92	94	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	96	96	80-120	0	30
Batch number: F140151AA	Sample number(s): 7333593								
Benzene	N.D.	0.5	1	ug/l	97		78-120		
C6-C12-TPH-GRO	N.D.	22.	50	ug/l	105	104	80-160	1	30
Ethylbenzene	N.D.	0.5	1	ug/l	91		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	88		75-120		
Naphthalene	N.D.	1.	4	ug/l	73		47-126		
Toluene	N.D.	0.5	1	ug/l	97		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	97		80-120		
Batch number: R140191AA	Sample number(s): 7333587-7333589								
Benzene	N.D.	0.025	0.25	mg/kg	105	100	80-120	5	30
C6-C12-TPH-GRO	N.D.	2.2	5.5	mg/kg	102	107	80-131	5	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	104	99	80-120	5	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	110	104	69-126	6	30
Naphthalene	N.D.	0.050	0.25	mg/kg	92	90	59-123	3	30
Toluene	N.D.	0.050	0.25	mg/kg	104	100	80-120	4	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	103	98	80-120	5	30
Batch number: 14017SLA026	Sample number(s): 7333586-7333592								
Acenaphthene	N.D.	0.003	0.017	mg/kg	102		83-111		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	109		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	104		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	95		81-117		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	107		84-122		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	112		76-124		
Benzo(g,h,i)perylene	N.D.	0.003	0.017	mg/kg	104		77-122		
Benzo(k)fluoranthene	N.D.	0.003	0.017	mg/kg	96		80-125		
Chrysene	N.D.	0.003	0.017	mg/kg	86		77-116		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	111		81-123		
Fluoranthene	N.D.	0.003	0.017	mg/kg	90		79-123		
Fluorene	N.D.	0.003	0.017	mg/kg	99		86-118		
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	110		77-122		
Naphthalene	N.D.	0.003	0.017	mg/kg	99		77-115		
Phenanthrene	N.D.	0.003	0.017	mg/kg	101		85-116		
Pyrene	N.D.	0.003	0.017	mg/kg	101		81-114		

*- 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: 1445316
Reported: 01/20/14 at 05:12 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 140135708002	Sample number(s): 7333586-7333592								
Lead	N.D.	0.500	1.50	mg/kg	105		80-120		

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: F140151AA	Sample number(s): 7333593 UNSPK: P333492								
Benzene	103	103	72-134	1	30				
Ethylbenzene	96	97	71-134	2	30				
Methyl Tertiary Butyl Ether	89	92	72-126	3	30				
Naphthalene	74	76	52-125	2	30				
Toluene	98	100	80-125	2	30				
Xylene (Total)	100	102	79-125	2	30				
Batch number: 14017SLA026	Sample number(s): 7333586-7333592 UNSPK: 7333586								
Acenaphthene	98	97	61-128	1	30				
Acenaphthylene	104	104	67-130	0	30				
Anthracene	99	100	41-142	1	30				
Benzo(a)anthracene	91	89	32-150	3	30				
Benzo(a)pyrene	100	101	36-151	1	30				
Benzo(b)fluoranthene	101	101	29-150	1	30				
Benzo(g,h,i)perylene	109	107	41-147	2	30				
Benzo(k)fluoranthene	93	94	44-145	0	30				
Chrysene	84	82	28-146	2	30				
Dibenz(a,h)anthracene	113	112	54-142	1	30				
Fluoranthene	74	75	30-151	2	30				
Fluorene	90	91	55-128	1	30				
Indeno(1,2,3-cd)pyrene	109	110	44-147	0	30				
Naphthalene	97	97	44-142	0	30				
Phenanthrene	95	97	34-147	2	30				
Pyrene	97	98	29-148	1	30				
Batch number: 140135708002	Sample number(s): 7333586-7333592 UNSPK: P316168 BKG: P316168								
Lead	3750 (2)	-2010 (2)	75-125	59*	20	1,330	1,570	17	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: 8260 Ext. Soil Master w/GRO
Batch number: B140151AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- 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: 1445316
Reported: 01/20/14 at 05:12 PM

Surrogate Quality Control

7333586	106	109	95	103
7333587	99	98	100	114
7333589	101	104	98	107
7333590	106	103	98	100
7333591	108	105	95	96
7333592	128	115	151*	54
Blank	105	103	99	99
LCS	102	102	97	114
LCSD	102	103	100	108
Limits:	50-141	54-135	52-141	50-131

Analysis Name: UST VOCs + GRO by 8260B-Water
Batch number: F140151AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7333593	99	100	95	94
Blank	100	97	98	94
LCS	98	98	97	97
LCSD	99	95	99	95
MS	99	98	97	95
MSD	99	99	97	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: R140191AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7333588	87	83	86	92
Blank	111	104	100	99
LCS	118	112	107	107
LCSD	110	103	101	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: PAH's 8270C Soil
Batch number: 14017SLA026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7333586	86	102	104
7333587	85	94	95
7333588	92	98	103
7333589	86	94	99
7333590	89	97	105
7333591	93	100	107
7333592	92	101	109
Blank	94	100	110
LCS	93	101	108
MS	91	100	106
MSD	90	100	105
Limits:	60-120	69-120	66-137

*- 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

246114

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 333586-93 SCR#:

gr# 1445316

Facility #: Chevron 95607
Site Address: 5269 Crow Canyon Rd, Castro Valley, CA
Chevron PM: Eric Hetrick Lead Consultant:
Consultant/Office: CRA / Emeryville
Consultant Prj. Mgr.: Judy Gilbert
Consultant Phone #: (510) 420-3314 Fax #:
Sampler: Adam Ginsburg / Charley Austin
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 ☐	TPHg (8260B)	Total Lead (6010)	Naphthalene (8260B)
DPE-3-10'	Soil		10'	2014 01 10	0905		✓		1	X						X	X	X
DPE-3-15'	Soil		15'	2014 01 10	0935		✓		1	X						X	X	X
DPE-3-20'	Soil		20'	2014 01 10	0950		✓		1	X						X	X	X
DPE-3-25'	Soil		25'	2014 01 10	1010		✓		1	X						X	X	X
DPE-3-30'	Soil		30'	2014 01 10	1030		✓		1	X						X	X	X
DPE-3-35'	Soil		35'	2014 01 10	1055		✓		1	X						X	X	X
DPE-3-40'	Soil		40'	2014 01 10	1230		✓		1	X						X	X	X
Waste-1	Water			2014 01 10	1345			✓	4	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
Please provide data within one week, contact Judy Gilbert with questions (jgilbert@cramworld.com)
All soil samples unpreserved.
All water samples preserved with HCl (H).

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day (1 week)

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	Received by:	Date	Time
Relinquished by: Charley Austin	011014	1600			
Relinquished by:					
Relinquished by:					
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	1/11/14	925
Temperature Upon Receipt 2.2° C°			Custody Seals Intact? (Yes) No		

6# 1445316

Natalie Luciano

From: Ginsburg, Adam <aginsburg@craworld.com>
Sent: Wednesday, January 15, 2014 5:32 PM
To: Natalie Luciano
Subject: Chevron Facility 95607 - Change to listed analytes

Hello Natalie,

I sent 1 water and 7 soil samples (8 total) to your lab this past Friday. I neglected to put PAHs by 8270 on that Chain of Custody. Is it too late to add them to the list of analyses?

Also, please let me know if you need any additional information to identify this Chain of Custody.

Thanks,

Adam Ginsburg
Conestoga-Rovers & Associates (CRA)
2300 Clayton Road, Suite 920 <------ Please note new address
Concord, CA 94520

Phone: 925.849.1016 <------ Please note new phone
Fax: 510.420.9170
Cell: 510.290.7061
Email: aginsburg@CRAworld.com
www.CRAworld.com

1

PAHs added to soils only since ~~not~~ @mks 1/16/14 no appropriate PAH container received for the water sample. mks 1/16/14

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< 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 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. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

Attachment G

Survey Data

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

June 17, 2015
Project No.: 3467-01

Belew Yifru
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, Ca. 94608

Subject: Monitoring Well Survey
5269 Crow Canyon Road
Castro Valley, Ca

Dear Belew:

This is to confirm that we have proceeded at your request to survey the new well at the above referenced location. The survey was completed on June 12, 2015. The benchmark for this survey was a standard Alameda County bronze disc stamped HEY-GLI-1979 located in the top of curb at the easterly return of the northeast corner of Heyer Ave. and Gliddon Street. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83), Epoch (unknown) Benchmark Elevation = 332.363 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				268.55	RIM C-9
37.7021431	-122.0484114	2081834.15	6113724.12	267.66	TOC C-9
				244.64	GRD C-16
37.7017760	-122.0488972	2081702.85	6113581.39	246.69	TOC C-16
				243.08	GRD C-17
37.7019378	-122.0489396	2081761.93	6113570.10	245.88	TOC C-17

Sincerely,

Virgil D. Chavez, PLS 6323