CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: February 21, 2014

REFERENCE NO.: 311950

PROJECT NAME: Former Chevron Station 95607

TO: Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Please find enclosed:
- ☐ Draft
- ☒ Originals
- ☐ Prints
- ☐ Final
- ☐ Other

Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other Geotracker and ACEH ftp site

QUANTITY	DESCRIPTION
1	Well Destruction and Remediation Well Installation Report

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

COMMENTS:
Please call Judy Gilbert at 510-420-3314 if you have questions or comments.

Copy to: Mr. Eric Hetrick, Chevron (*electronic copy*)
Mr. Kevin Hickley, Property Owner
Ms. Diane Riggs, Forest Creek Townhomes Association

Completed by: Judy Gilbert [Please Print]

Signed: Judy Gilbert

Filing: **Correspondence File**

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

February 21, 2014

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

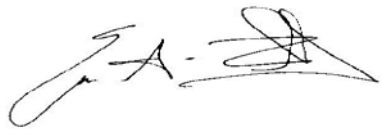
I have reviewed the attached Well Destruction and Remediation Well Installation Report.

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

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

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

Sincerely,



Eric Hetrick
Project Manager

Attachment: Well Destruction and Well Installation Report

WELL DESTRUCTION AND REMEDIATION WELL INSTALLATION REPORT

FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA

Prepared for:

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Prepared by:
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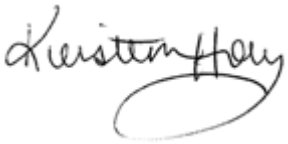
FEBRUARY 21, 2014
REF. NO. 311950 (28)

WELL DESTRUCTION AND REMEDIATION WELL INSTALLATION REPORT

FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA



Kiersten Hoey

Brandon S. Wilken, PG 7564

Prepared by:
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FEBRUARY 21, 2014
REF. NO. 311950 (28)

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Section 1.0 Introduction

Conestoga-Rovers & Associates (CRA) is submitting this Well Destruction and Remediation Well Installation Report for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). The work was conducted in accordance with CRA's August 2, 2013 Remedial Action Plan Implementation Plan, along with subsequent addendums, all of which were approved by the Alameda County Environmental Health Services (ACEHS), Environmental Protection Program in a letter dated December 11, 2013 (Appendix A). The objectives of this scope of work were to destroy recovery well RW-1, install dual-phase extraction wells DPE-1, DPE-2, DPE-3, and install vapor extraction wells VEW-1, VEW-2. The DPE wells were constructed to target an established zone of petroleum hydrocarbon contamination ranging from 7 to 50 feet below ground (fbg). The VEW wells were constructed to target petroleum hydrocarbons located in the vadose zone ranging from 7 to 17 fbg. Detailed below are the site background, site geology and hydrogeology, summary of previous investigation, description of the well installation activities, and CRA's conclusions and recommendations.

Section 2.0 Site Background

2.1 Site Description

The site is a former Chevron service station, currently occupied by an automotive repair shop, located on the southeast corner of Waterford Place and Crow Canyon Road in Castro Valley, California (Figure 1). A used-oil underground storage tank (UST), owned by the current property owner, is located on the west side of the repair shop. The former station facilities consisted of a station building, three gasoline USTs and two dispenser islands under one canopy (Figure 2). The USTs and dispensers islands were removed in 1990. Surrounding properties consist of residential properties to the south, west and east, and undeveloped hillside property to the north.

2.2 Previous Environmental Work

The site has been an open environmental case since 1985 under ACEHS jurisdiction (Fuel Leak Case Number RO0000350 and GeoTracker Global ID T0600100344). To date, six remediation wells and 17 monitoring wells have been installed (one remediation and four monitoring wells have been destroyed) and 16 temporary vapor probes have been advanced. Remedial activities consisted of tank and piping replacement in 1985 and station removal in 1990 which included excavation of 300 cubic yards of soil, a groundwater extraction and treatment system connected to RW-1 and C-9, and a two-phase extraction pilot test. A summary of previous environmental investigation and remediation is included in Appendix B.

2.3 Site Geology and Hydrogeology

The site lies within the Northern Coast Range geomorphic province at an elevation of approximately 285 feet above mean sea level (ft-amsl). Lithology beneath the site is mapped as Miocene age sandstone, shale, siltstone, conglomerate, and breccia. Soil encountered beneath the site is characterized as interbedded clay, silt, silty sand, and clayey sand to the maximum depth explored of 55 feet below grade (fbg). Siltstone bedrock is encountered beneath the site at depths ranging from approximately 30 to 55 fbg.

The site is located in the Castro Valley Groundwater Basin (California Department of Water Resources, Bulletin 118, 2004). The San Francisco Bay Regional Water Quality Control Board (RWQCB-SF) Basin Plan considers groundwater in this basin a potential resource for municipal, industrial process, and agricultural water usage.

The nearest surface water bodies are Crow Creek located approximately 380 feet southwest (downgradient) of the site, and Cull Canyon Lake located approximately 2,245 feet northwest (crossgradient) of the site. Depth to groundwater has historically ranged between approximately 0.5 and 34 fbg. Groundwater flow direction is to the west-southwest toward Crow Creek.

Section 3.0 Well Destruction and Installation

On December 16 through 20, 2013 and January 10, 2014, CRA observed the destruction of remediation well RW-1 and installation of remediation wells DPE-1, DPE-2, DPE-3, VEW-1 and VEW-2. Field activities are summarized below.

3.1 Site-Specific Health and Safety Plan

CRA performed all work under the guidelines set forth in a comprehensive site-specific health and safety plan. The plan was reviewed and signed by all site workers and visitors and kept onsite at all times.

3.2 Permits

CRA obtained drilling permits W2013-0996 to W2013-0997 from Alameda County Public Works Agency (ACPWA). All permits are included in Appendix C.

3.3 Drilling Company

Cascade Drilling, L.P. of Richmond, California (C57 license #938110) performed the soil boring advancement, vapor extraction well installation, dual-phase extraction well installation, and the destruction of recovery well RW-1.

3.4 CRA Personnel

CRA personnel Elizabeth Austin and Adam Ginsburg managed the drilling under the supervision of California Professional Geologist Brandon Wilken (PG 7564).

3.5 Utility Clearance

Prior to drilling, CRA contacted Underground Service Alert to mark existing underground utilities near existing well RW-1 and the proposed remediation well locations. CRA contracted Norcal Geophysical Consultants, Inc. (Norcal) of Cotati, California to verify underground utility locations near the proposed well locations. Norcal used electronic line location equipment and ground penetrating radar (GPR) to determine utilities in the area. Each well boring location was hand cleared using either an air knife, hand auger, or a combination of both, to ensure no underground utilities existed beneath each location.

3.6 Well Destruction

On December 20, 2013, Cascade Drilling pressure grouted recovery well RW-1 due to the well diameter and presence of an electrical line running directly beneath the well box. Portland Type I/II cement was fed into the 10-inch well casing. The target grout volume required to fill the casing and annular space was calculated and confirmed by Alameda County inspector Steven Miller. With the approval of the Alameda County inspector, the target volume was met and exceeded without pressurizing the well. The aboveground span of 10-inch steel casing was cut and removed. CRA's *Standard Field Procedures for Well Destruction* is included in Appendix D.

3.7 Well Installation

Prior to drilling, all new well locations were cleared using air-knife equipment to 8 fbg to ensure no underground utilities were located in the area of the proposed wells. Vapor extraction wells VEW-1 and VEW-2 were advanced using 10-inch diameter hollow-stem augers to 17 fbg, and screened with 0.020-inch slotted schedule 40 PVC from 7 to 17 fbg. No wet or saturated soils were encountered during the installation of the vapor extraction wells.

All DPE wells were advanced using 10-inch diameter hollow-stem augers, DPE-1 and DPE-2 to 53 fbg and DPE-3 to 40 fbg. DPE-1 and DPE-2 were constructed with a sump constructed of blank schedule 40 PVC from 50 to 53 and were screened with 0.020-inch slotted schedule 40 PVC from 10 to 50 fbg. Drilling refusal in to siltstone bedrock was met at 40 fbg in the DPE-3 borehole. Therefore, DPE-3 was screened with 0.020-inch slotted schedule 40 PVC from 7 to 40 fbg without installing a 3 foot sump. DPE-3 was originally proposed to be installed at a depth of 42 fbg; based on the vertical distribution of petroleum hydrocarbons at this location and the removal of the sump, DPE-3 is adequately screened to dewater and remediate the smear zone. Well boxes equipped with a traffic-rated lids were installed over all five capped wells flush with grade. CRA's *Standard Field Procedures for Soil Boring and Well Installation* is

included in Appendix D. Well construction details are presented in Table 1 and well construction logs showing additional well construction details are presented in Appendix E.

3.8 Soil Sampling

Soil samples were collected at approximate intervals of 5 feet. Chevron and CRA safety regulations require the first 8 feet to be cleared of underground utilities, so the 5 fbg sample was collected from disturbed soil during the clearance from the hand auger buckets using 6-inch steam cleaned steel tubes. Soil samples below 8 fbg were collected using an 18-inch California Modified split spoon sampler advanced ahead of the augers. Soil was logged according to the ASTM D2488-06 Unified Soil Classification System and screened using a photoionization detector (PID). Samples collected for analyses were capped with Teflon® tape and plastic end caps. All samples were properly sealed, labeled, preserved on ice, logged on Chain-of-Custody (COC) forms, and released to Eurofins Lancaster Laboratories (Lancaster) of Lancaster, Pennsylvania for analysis.

3.9 Chemical Analyses

Soil samples were analyzed by Eurofins Lancaster 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
- Poly-aromatic hydrocarbons (PAHs) by EPA Method 8270
- Total lead by EPA Method 6010 (waste composite soil samples only).

The laboratory analytical reports are included in Appendix F.

3.10 Waste Disposal

Soil cuttings, construction debris, and rinsate water were stored onsite in sealed and labeled Department of Transportation (DOT) approved 55-gallon drums. The drums were removed from the site on February 17, 2014 and transported to a state and Chevron approved, California State licensed disposal facility. The waste manifests will be forwarded upon receipt.

3.11 Well Surveying

On January 14, 2014, Morrow Surveying, Inc, (Morrow) of West Sacramento, California, a California-licensed land surveyor, surveyed the top of casing and ground surface elevations of DPE-1, DPE-2, DPE-3, VEW-1, and VEW-2 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. Morrow's well survey map is presented in Appendix G.

3.12 Well Completion Reports

Department of Water Resources (DWR) Well Completion Reports are confidential documents and are therefore not included in this report. On January 31, 2014, CRA submitted the forms to the DWR and ACPWA under a separate cover.

Section 4.0 Subsurface Investigation Results

Investigation results are summarized in the following sections.

4.1 Soil Analytical Results

TPHg, benzene, naphthalene, MTBE, and PAH concentrations detected in soil samples collected during the remedial well installations are summarized herein. TPHg, benzene and naphthalene concentrations were primarily detected in soil samples collected between 10 and 35 fbg. Trace MTBE concentrations were only detected in soil from DPE-3. The vertical distribution of petroleum hydrocarbons during this investigation demonstrate that the extraction wells installed are properly screened to extract soil and groundwater containing petroleum hydrocarbons. Soil analytical results are presented in Table 2. Laboratory analytical reports for soil are included in Appendix F.

4.2 Lithology

Lithology beneath the site is mapped as Miocene age sandstone, shale, siltstone, conglomerate, and breccia. Soil encountered beneath the site is characterized as interbedded clay, silt, silty sand, and clayey sand to the maximum depth explored of 55 fbg. Siltstone bedrock is encountered beneath the site at depths ranging from approximately 30 to 55 fbg.

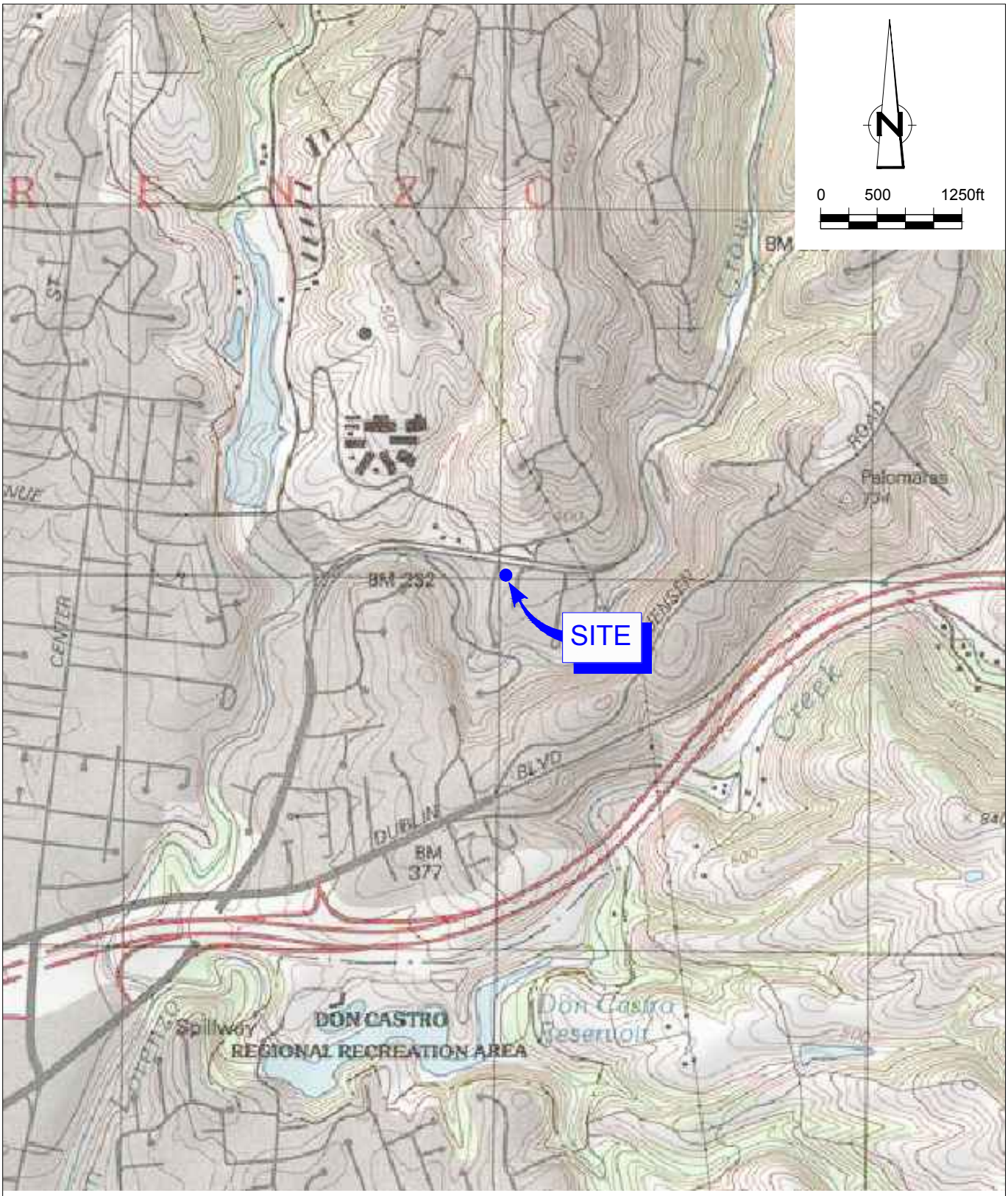
During this investigation, fill was encountered in the boreholes down to approximately 10 to 13 fbg. Lithology encountered below the fill consists of clay, silt, and sand mixtures to approximately 51 fbg, where siltstone bedrock was encountered to the maximum depth explored of 53 fbg. However, siltstone was encountered at 38 fbg in DPE-3. Boring logs are included in Appendix E.

Section 5.0 Conclusions and Recommendations

CRA successfully installed the remedial wells for the dual-phase extraction (DPE) system and destroyed recovery well RW-1. As proposed in CRA's August 2, 2013 *Remedial Action Plan Implementation Plan*,

along with subsequent addendums, CRA will install the DPE system and issue a Post Start-Up Report approximately 60 days after system start up.

Figures

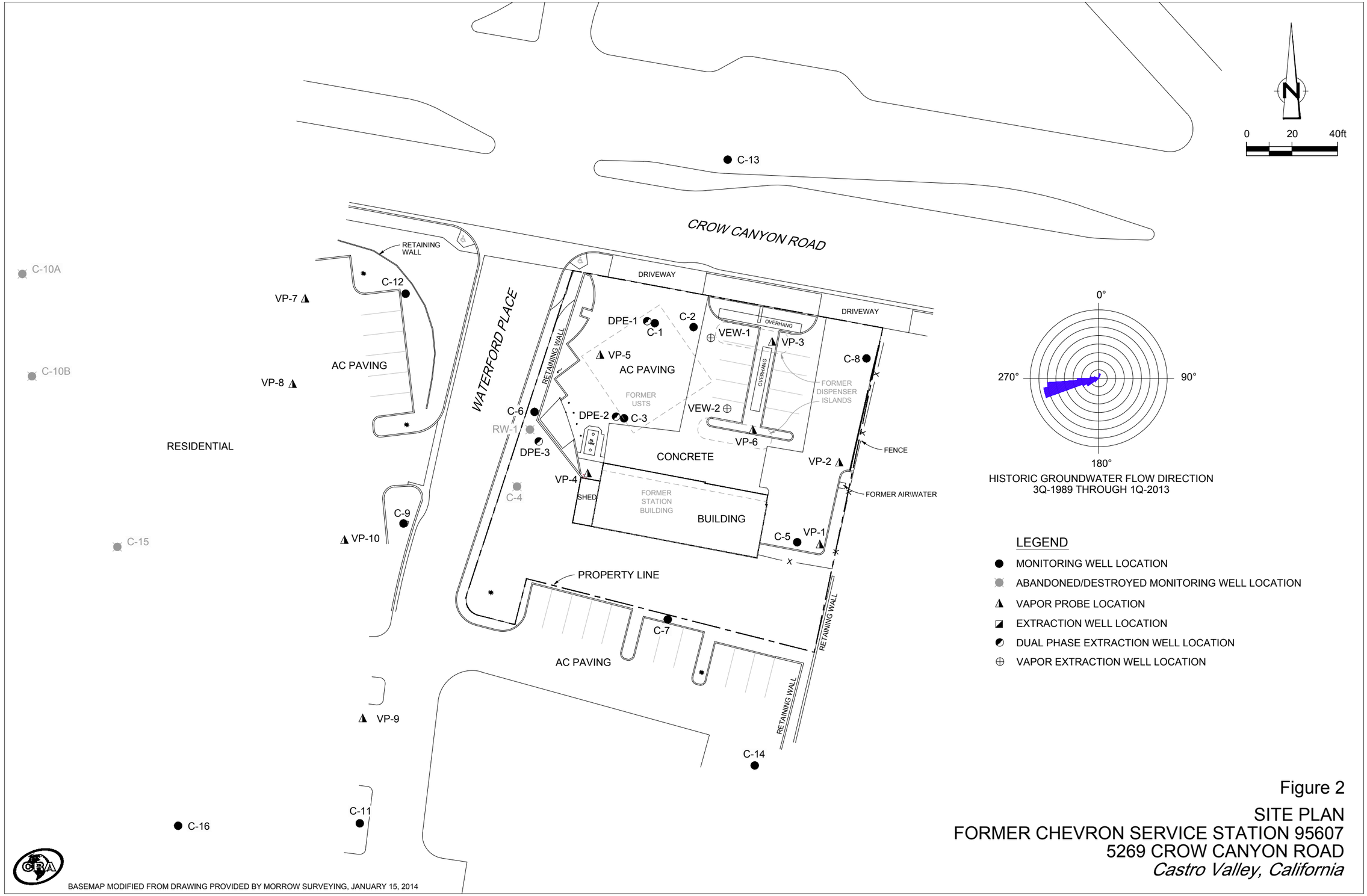


SOURCE: TOPO! MAPS.

Figure 1

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

311950-95(028)GN-EM001 FEB 18/2014



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

Figure 2

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

311950-95(028)GN-EM002 FEB 18/2014

Tables

TABLE 1
WELL CONSTRUCTION DETAILS
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD, CASTRO VALLEY , CALIFORNIA

Well ID	Date Installed	TOC	Total Depth (fbg)	Casing Diameter (inches)	Screen Interval (fbg)	Status
Monitoring Wells						
C-1[1]	3/5/1985	283.46	55	4	25-55	*Active*
C-2[1]	3/6/1985	284.37	46	4	21-46	*Active*
C-3	3/8/1985	285.98	55	4	25-55	*Active*
C-4	3/9/1985	--	35	4	10-35	*Destroyed*
C-5[1]	3/9/1985	287.95	45	4	15-45	*Active*
C-6	3/14/1985	275.28	35	4	10-35	*Active*
C-7[1]	3/21/1985	270.70	35	2	15-30	*Active*
C-8[1]	3/21/1985	288.40	29	2	9-29	*Active*
C-9	6/24/1985	--	30	4	5-30	*Active*
C-10A	2/22/1990	--	21	3	12-21	*Destroyed*
C-10B	2/22/1990	--	32	3	21-32	*Destroyed*
C-11[1]	2/22/1990	265.30	34	3	14-34	*Active*
C-12	2/22/1990	269.66	30.5	3	9.5-30.5	*Active*
C-13	2/23/1990	284.32	28.5	3	14-28.5	*Active*
C-14[2]	2/23/1990	270.74	28.5	3	13-28.5	*Active*
C-15	2/24/1990	--	17.5	3	7.5-17.5	*Destroyed*
C-16[1]	2/24/1990	246.69	29	3	13.5-29	*Active*
Remediation Wells						
RW-1	5/31/1985	274.52	35	10	10-35	*Destroyed*
DPE-1	12/19/2013	283.45	53	4	10-50	*Active*
DPE-2	12/20/2013	286.20	53	4	10-50	*Active*
DPE-3	1/10/2014	275.22	40	4	7-40	*Active*
VEW-1	12/18/2013	284.93	17	4	7-17	*Active*
VEW-2	12/19/2013	286.68	17	4	7-17	*Active*

Notes:
fbg = Feet below grade.
TOC = Top of casing elevation (feet above mean sea level).
-- = Not available / not applicable.
GWE = Groundwater Elevation
Footnotes:
1 = Sampled annually.
2 = Removed from monitroing/sampling schedule.

TABLE 2
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***	--	--	
		Commercia	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercia	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility***	--	--	--	***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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
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 2
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***	--	--	
		Commercia	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercia	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility***	--	--	--	***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 2
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***	--	--	--	--	--	--	***9.7***	--	--	--	--	***0.063***	--	--	--	--	--	--	--	--	***0.063***	--	--	
Direct Contact (0-5 fbg)	***Residential***		--	--	--	***1.9***	--	***21***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	***NA***	--	--	
	Commercia		--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)	***Residential***		--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	***0.68***	--	--	
	Commercia		--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)	***Utility***		--	--	--	***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 2
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***	--	--	
		Commercia	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercia	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility***	--	--	--	***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 2
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***	--	--	
		Commercia	--	--	--	***2.8***	--	***32***	--	--	--	***9.7***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Volatilization to Outdoor Air (5-10 fbg)		***Residential***	--	--	--	***8.2***	--	***89***	--	--	--	***45***	--	--	--	--	***0.68***	--	--	--	--	--	--	--	--	--	***0.68***	--	--	
		Commercia	--	--	--	***12***	--	***134***	--	--	--	***45***	--	--	--	--	***NA***	--	--	--	--	--	--	--	--	--	***NA***	--	--	
Diret Contact (0-10 fbg)		***Utility***	--	--	--	***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.

Appendix A

Regulatory Correspondences

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

December 11, 2013

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: Approval of RAP Addendum; 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 *Revised Drilling Scope of Work* (RAP Addendum), dated November 7, 2013, and the *Response to November 21, 2013 Technical Comments,* dated December 11, 2013. The documents were prepared and submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting them.

The *Revised Drilling Scope of Work* (RAP Addendum) was prepared to document changes in remedial system presented in the *Remedial Action Plan Implementation Plan,* dated August 2, 2013 in order to address public comments and additional data that has been collected since that time. The *Response to November 21, 2013 Technical Comments,* dated December 11, 2013, was intended to incorporate responses to the November 21, 2013 letter from ACEH, for the Alameda County Building Department.

Based on ACEH staff review of the documents the proposed scope of work, including modifications included in the two documents, is approved. 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. **RAP Addendum Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking. Please submit a report by the date specified below.

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:

- **January 20, 2014** – Groundwater Monitoring Well Work Plan
  File to be named: RO350_WP_L_yyyy-mm-dd

- **February 21, 2014** – First DPE / SVE Post Implementation Quarterly Groundwater Monitoring and Well Installation Report; File to be named: RO350_GWM_R_yyyy-mm-dd

- **30 Days After DPE System Start Up** – First DPE System Remedial Progress Report and As-Built Documentation; File to be named: RO350_REM_R_yyyy-mm-dd

- **TBD** – Quarterly Groundwater Monitoring
  File to be named: RO350_GWM_R_yyyy-mm-dd

- **TBD** – Monthly DPE System Remedial Progress Reports
  File to be named: RO350_GWM_R_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 Detterman
DN: cn=Mark Detterman, o, ou, email=mark.detterman@acgov.org, c=US
Date: 2013.12.11 14:26:34 -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 (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (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.

Appendix B

Summary of Environmental Investigation and Remediation

SUMMARY OF ENVIRONMENT INVESTIGATION AND REMEDIATION
FORMER CHEVRON STATION 95607 CASTRO VALLEY

1985 Tank Leak
A fuel underground storage tank (UST) and associated product piping, installed in 1971, were removed after failing a tightness test. According to Chevron's leak report, no product was observed in the tank excavation or on the water table. Inventory discrepancies from September 1984 to February 26, 1985 indicated an estimated loss of approximately 670 gallons of regular gasoline. No additional information is available.

March 1985 Monitoring Well Installation
Groundwater Technology, Inc. (GTI) installed wells C-1 through C-8 to determine the extent of hydrocarbons in groundwater. There is no documentation that soil samples collected from the well borings were submitted for laboratory analysis. Light non-aqueous phase liquid (LNAPL) was detected in wells C-1 and C-3. Additional information available in GTI's April 1, 1985 *Monitoring Well Results*.

May 1985 Remediation Well Installation
GTI installed 10-inch recovery well RW-1 near well C-6 using an 18-inch bucket auger. GTI also installed well C-9 downgradient of the recovery well. A groundwater extraction and treatment system (GWET) using a ½ horsepower water table depression pump was installed in RW-1 to create a cone of depression and induce LNAPL flow to RW-1. A 200-gallon carbon vessel was installed to treat extracted groundwater prior to storm sewer discharge. GTI concluded that the system's effectiveness was limited by the low permeability clay underlying the site and low extraction rate averaging 0.2 gallons per minute. Site wells were monitored and bailed bi-weekly while the system was operating. As of October 1987, GTI recorded 32 gallons of LNAPL removed. The system appeared to run in this configuration through 1988 (GTI's April 13, 1988 Update Report). No data is available for system operation from 1988 to 1990. Well Installation details are available in GTI's 1985 *Gasoline Recovery Report*.

September 1989 Soil Vapor Investigation
Pacific Environmental Group Inc. (PEG) installed 16 onsite exploratory soil probes and collected soil vapor data from depths between 8 and 20 fbg. Data presented herein is based on a PEG letter dated May 8, 1990. No investigation report was located.

February 1990 Monitoring Well Installation
PEG installed offsite wells C-10A, C-10B, and C-11 through C-16 to assess groundwater conditions crossgradient and downgradient of the site. Soil samples were only collected from wells C-12, C-13, and C-15. Data presented herein is based on a PEG letter dated May 8, 1990. No investigation report was located.

March 1990 Remediation System Upgrades
Chemical Processors, Inc. (Chempro) installed a GWET with pumps in RW-1 and C-9 and water treatment using an oil/water separator and air stripper. It appears the system operated in this configuration through May 25, 1995. Additional information is available in Geraghty & Miller Inc.'s June 22, 1992 letter titled *Response to Regional Water Quality Control Board Inquiry.*

October 1990 UST Removal and Compliance Sampling

Blaine Tech collected soil samples following the removal of three 10,000 gallon fiberglass USTs and product piping. Soil samples AF(#2), AOP(#1), BF(#6), BOP(#3), CF(#5), and COP(#4) were collected from beneath the ends of the USTs at depths ranging from 15 to 18 fbg. An additional 300 cubic yards of hydrocarbon-bearing soil were excavated from the UST pit, and confirmation samples AF(#7), AOP(#4), BOP(#1), CF(#1), COP(#3), and COP(#2) were collected at depths ranging from 18 to 22.5 fbg. No TPHg or benzene were detected in soil samples PL(#7) and PL(#8) collected beneath the product piping. Additional information is available in Blaine Tech's October 24, 1990 *Tank Removal* report.

August 1996 Soil Vapor Sampling

Weiss Associates (Weiss) collected 12 soil vapor samples from temporary soil vapor probes SV-1 through SV-8. The highest soil vapor concentrations were detected in SV-3 and SV-4 at 25 fbg. Soil samples were collected from each soil vapor boring and a grab-groundwater samples was collected from boring SV-1 at 23 fbg. Hydrocarbons were only detected in saturated soil. Additional details are presented in Weiss's January 20, 1997 *Soil Vapor Survey Sampling Report.*

June 1997 Vapor Pathway Survey

Weiss conducted a vapor pathway survey to identify possible preferential vapor transport pathways that may intersect condominium units in the Forest Creek Townhomes complex located on Waterford Place in Castro Valley. The survey consisted of collecting parcel plans from the City of Castro Valley Building Department (CVBD) and contacting utility services to determine the locations and depths of underground conduits in the vicinity of Townhome units 1 through 9. Weiss determined that preferential vapor transport was unlikely to be present at the Forest Creek Townhomes. Impacted groundwater and soil is several feet deeper than the conduits identified in this survey. Additionally, in September 1996, WA conducted a well survey within ½-mile radius of the site by contacting Alameda County Department of Public Works for the location of water supply wells. No water supply wells were identified, and WA concluded installation of future water supply wells was unlikely due to the current use and availability of municipal water. Additional details are presented in Weiss' August 8, 1997 *Vapor Pathway Survey.*

July 1998 Soil Vapor Survey

Weiss installed temporary vapor probes SV-9 through SV-16 along the sanitary sewer trench beneath Waterford Place. One soil vapor sample was collected from each probe at depths ranging from 3 to 6.5 fbg to investigate whether a preferential vapor pathway may intersect Townhomes Unit #1. Based on the soil vapor data, Weiss concluded there is no preferential vapor pathway into Townhomes Unit #1 or other units from the sewer line. Additional details are presented in Weiss' May 31, 2000 *Project Summary*.

May 2000 Corrective Action Plan

Weiss submitted a Corrective Action Plan (CAP) recommending bailing LNAPL, installing ORC socks in plume centerline wells and quarterly groundwater monitoring. The plume length was estimated to be approximately 200 feet and plume centerline wells were identified as C-3, C-6, C-9, and C-15. More information is available in Weiss' May 31, 2000 *Corrective Action Plan*.

July 2001 Offsite Well Destruction
Delta Environmental (Delta) destroyed wells C-10A and C-10B by pressure grouting with neat cement grout to facilitate the sale of County owned property downgradient of the site. More information is available in Delta's August 31, 2001 *Well Destruction Report*.

2002 Interim Remedial Action Proposal
Delta proposed a short-term high vacuum two-phase extraction (TPE) event on well C-3 as the most cost effective remedial alternative. Decreasing TPHg and benzene concentration trends were observed in wells upgradient, crossgradient, and downgradient of the source area, indicating the plume was naturally attenuating. More information is available in Delta's September 23, 2002 *Source Area Assessment and Proposed Work* and November 22, 2002 *Evaluation of Plume Length and Impacts to Crow Creek*.

October 2003 Pilot Test
Cambria Environmental Technology, Inc. (Cambria) conducted a TPE pilot test. The pilot test was originally scheduled to be performed for five days, but was extended for a total of twelve days to collect additional system performance data to better evaluate possible full-scale TPE system installation. TPE pilot test equipment consisted of a 400 cubic foot per minute thermal/catalytic oxidizer operating in thermal mode. Cambria concluded that TPE could be a viable remedial option for the site based on water table drawdown and vapor-phase hydrocarbon removal rates. Additional information is available in Cambria's July 12, 2005 *Two-Phase Extraction Pilot Test Report*.

July 2006 Subsurface Investigation
Cambria advanced soil boring SB-1 adjacent to well C-6, and soil borings SB-2 through SB-5 adjacent to the former fuel UST pit to assess residual hydrocarbons in soil. Additional information is available in Cambria's October 25, 2006 *Subsurface Investigation Report*.

January 2007 Remedial Action Plan
Cambria proposed dual-phase extraction (DPE), a form of multi-phase extraction using in-well pumps to extract groundwater, as the most viable and cost-effective method to remediate the site. DPE was more technically feasible then TPE given the increased distances from the proposed remediation compound to the proposed extraction wells. More information is available in Cambria's January 8, 2007 *Remedial Action Plan*.

September 2008 Offsite Well Destruction
CRA destroyed offsite well C-15 to assist with redevelopment construction. The adjacent property was originally owned by Alameda County when the well was installed, but the property has since been sold to the current landowner, who planned to develop the property with single family homes. The well was pressure grouted and the upper portions of the well were removed. Additional information is available in CRA's December 3, 2008 *Well Destruction Report*.

September 2013 Soil Vapor Investigation
In September 2013, CRA installed onsite vapor probes VP-1 through VP-6 and offsite vapor probes VP-7 through VP-10, collected soil samples during probe installation, and later collected soil vapor samples from all ten probes. The highest soil vapor concentrations were detected in VP-3 and VP-6. Additional information is available in CRA's December 19, 2013 *Subsurface Investigation Report*.

Appendix C

Permits

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 12/11/2013 By jamesy

Permit Numbers: W2013-0996 to W2013-0997
Permits Valid from 12/16/2013 to 01/06/2014

Application Id: 1385419016467 **City of Project Site:** Castro Valley
Site Location: 5269 Crow Canyon Road, Castro Valley, CA
APN#: 85-5300-3-6
Project Start Date: 12/16/2013 **Completion Date:** 01/06/2014
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Conestoga-Rovers & Associates - Adam Ginsburg
2300 Clayton Rd. Suite 920, Concord, CA 94520 **Phone:** 925-849-1016

Property Owner: Kevin Hinkley **Phone:** --
5269 Crow Canyon Road, Castro Valley, CA 94552

Client: Chevron EMC **Phone:** --
6101 Bollinger Canyon Road, San Ramon, CA 94583

Total Due: $662.00
Receipt Number: WR2013-0474 **Total Amount Paid:** $662.00
Payer Name : Conestoga - Rovers & Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Remediation Well Construction-Extraction - 5 Wells
Driller: Cascade Drilling L.P. - Lic #: 938110 - Method: hstem **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2013-0996	12/11/2013	03/16/2014	DPE-1	10.00 in.	4.00 in.	10.00 ft	20.00 ft
W2013-0996	12/11/2013	03/16/2014	DPE-2	10.00 in.	4.00 in.	10.00 ft	20.00 ft
W2013-0996	12/11/2013	03/16/2014	DPE-3	10.00 in.	4.00 in.	10.00 ft	20.00 ft
W2013-0996	12/11/2013	03/16/2014	VEW-1	10.00 in.	4.00 in.	7.00 ft	17.00 ft
W2013-0996	12/11/2013	03/16/2014	VEW-2	10.00 in.	4.00 in.	7.00 ft	17.00 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. 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.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.

6. 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.

7. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).

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

9. 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.

10. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

Well Destruction-Monitoring - 1 Wells

Driller: Cascade Drilling L.P. - Lic #: 938110 - Method: press **Work Total: $397.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0997	12/11/2013	03/16/2014	RW-1	18.00 in.	10.00 in.	22.00 ft	36.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. 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.

3. 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.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. 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 and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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. 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.

8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. 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.

10. Well box can stay, due to electrical line. No well cover back on the well box. Cement flush with well box.

HOT WORK PERMIT AND HOT WORK CHECKLIST

Location (facility, well name, rig, etc.): Former Chevron (CRA # 311950) 9-5607

Description of Hot Work: Removal of 2' of conductor casing using oxy/acetylene torch

I have reviewed the proposed work, agree that hot work is necessary and may proceed without unreasonable risk.

Initial authorization: [signature] **Date:** 12/20/13 **Expiration time:** 7 PM

The following precautions must be taken to complete the work safely (attach details of specific procedures or checklist if appropriate).

Check	Yes	NA	Check	Yes	NA	Check	Yes	NA
All lines depressurized?		X	Area/space gas free?	X		Standby man/fire watch?	X	
All liquids drained?		X	Combustibles removed? Water	X		Pre-job safety meeting complete?	X	
Space cleaned and purged?		X	Continuous atmosphere monitoring?	X		Emergency procedure established?	X	
Space properly ventilated?	X		Fire extinguisher/water available?	X		Special PPE required?	X	
Lockout/tagout complete?	X		Respiratory protection required?		X			

Positive Isolation ☒ NA ☐ Blind ☐ Double Block and Bleed ☐ Disconnect ☐ Full thickness Skillet

Electric lighting and equipment properly rated for hazardous area location ☐ Yes ☐ No ☒ NA

Communication Method ☐ NA ☐ Hand signal ☒ Voice ☐ Radio ☐ Horn

PPE

Head: ☒ Hardhat ☐ Other: _____

Eye/Face: ☒ Safety glasses w/side shields ☒ Face shield ☐ Goggles ☐ Other: _____

Arms/ Hands: ☐ Leather gloves ☒ Leather gloves w/long sleeves ☐ Other: _____

Footwear: ☒ Leather Boots

Clothing: ☒ Flame-resistant clothing

Rescue Equipment

Emergency Response Plan? ☒ Yes ☐ No ☐ NA

If no, notify outside rescue services

GPS Coordinates: _____

☐ Full body harness
☐ Lifeline
☐ Personnel basket
☐ Rigid stretcher
☐ Mechanical lift for >5 degrees vertical

Emergency Phone Numbers

Ambulance/EMS: 911

Rescue Services: 911

Air Rescue: 911

Fire Department: 911 or 510-881-8181

Other:

Atmospheric Testing Acceptable Conditions		Time →	Results 12:40 AM/PM	Results 12:45 AM/PM	Results 13:05 AM/PM	Results : AM/PM	Results : AM/PM
Oxygen	19.5% to 23.5%		20.9	20.9	20.9		
Flammability	<10% LEL		0	0	0		
H_2S	<10 ppm		0	0	0		
Norm	<50 Micrograms		—	—	—		
Vessel Temperature	<100°F (43°C)		—	—	—		
Tester Signature: X [signature]			Initials ECA	Initials ECA	Initials ECA	Initials	Initials
Direct Reading Monitor			Model and Unit Number:			Calibration Date: / /	

This permit is approved for 12 hours on this date 12 / 20 / 13

Signature of On-site Supervisor: X [signature] Start Time: 10:00 AM

Only the On-site Supervisor may extend the permit time (Max. 12 hours)

Time was extended to: _____ hours.

Rep. Initials: _____ Time: :

Permit start time shall be the same as the initial test time.

Signature of person(s) performing Hot Work:

X [signature]

X

X

X

Cancellation of Permit

Signature of On-site Supervisor: X [signature] Date: 12 / 20 / 13

Permit Retention: 1 year or until audited

Signature of Fire Watch: X [signature]

Signature of Contract Supervisor: X [signature]

Distribution: Original - Client Representative and Work Site Copy - Initial Authorization

HOT WORK CHECKLIST

Signature	
	All welding machines **shall** be located in an unclassified area while in use (for offshore welding, machines must be 3 m or 10 feet away from a well-bay or production area and 0.5 m or 18 inches or away from deck drains – refer to Electrical Area Classification drawing).
NA	Welding machines with AC power convenience receptacles **shall** be labelled as AC power and **shall** be used with ground fault circuit interrupter (GFCI) adapters. The adapters should be placed as close to the welding machine as possible.
	Welding machines with DC power convenience receptacles **shall** be removed or otherwise disabled and must not be used.
	Welding machines used offshore **shall** be equipped with drip pans, shut down devices, and spark arresters.
	All welding leads **shall** be grounded as close as possible to the work area.
	All welding leads and extension cords **shall** be completely insulated, UL rated, and in good working condition.
	Welding rods **shall not** be left in the electrode holder when laid down on steel decks. The stud ends **shall** be put into a container – not on the floor or deck.
only for storage	Oxygen and acetylene bottles **shall** be separated by a or 5-foot high metal barrier, secured in a rack. Acetylene bottles shall be kept in an upright position.
✓	Regulators **shall** be equipped with properly operating gauges.
✓	Oxygen and acetylene hoses **shall** be leak-free and routed to prevent mechanical damage.
✓	Oxygen and acetylene hoses **shall not** be hung on cylinders when in use.
✓	Oxygen and acetylene **shall** be turned off at the cylinder valve and hoses bled anytime the equipment is not in use. Regulators **shall** be removed and protective cylinder caps put in place anytime cylinders are to be moved.
✓	Acetylene pressure downstream of the regulator **shall** be kept at or below 15 psi.
✓	Check valves/flame arresters **shall** be installed on the torch and the regulator.
✓	Only friction spark devices **shall** be used for ignition of cutting torches. Due to a potential ignition source, friction sparkers shall **not** be permitted to be carried throughout the facility.
✓	When lighting the cutting torch, the fuel gas valve shall be opened before opening the oxygen valve.
✓	Equipment containing hydrocarbons or other flammable substances has been relocated at least 35 feet horizontally from the hot work site. Similar equipment located at a lower elevation where slag, sparks, or other burning material could fall has been relocated at least 35 feet from the point of impact. When relocation is impractical, the equipment has been either shielded or the contents rendered inert. welder shown
not used	Fire resistant blankets (if used) **shall** be of a good quality and should be installed in a manner that does not create pockets or folds.
NA	Instrument gas systems and devices isolated or shielded.

On-Site Supervisor: Jeff Delaney Date: 12/20/13

Welder: [signature] Date: 12/20/13

Appendix D

Standard Field Procedures

STANDARD FIELD PROCEDURES FOR WELL DESTRUCTION

This document presents standard field procedures for properly destroying groundwater monitoring wells. The objective of well destruction is to destroy wells in a manner that is protective of potential water resources. The two procedures most commonly used are pressure grouting and drilling out the well. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Pressure Grouting

Pressure grouting consists of injecting neat Portland cement through a tremie pipe under pressure to the bottom of the well. The cement is composed of about five gallons of water to a 94 pound sack of Portland I/II Cement. Once the well casing is full of grout, it is pressurized for five minutes by applying a pressure of 25 pounds per square inch (psi) with a grout pump. The well casing can also be pressurized by extending the well casing to the appropriate height and filling it with grout. In either case, the additional pressure allows the grout to be forced into the sand pack. After grouting the sand pack and casing, the well vault is removed and the area resurfaced or backfilled as required.

Well Drill Out

When well drill out is required, the well location is cleared for subsurface utilities and a hollow-stem auger (or other appropriate) drilling rig is used to drill out the well casing and filter pack materials. First, drill rods are placed down the well and used to guide the augers as they drill out the well. A guide auger is used in place of the drill rods if feasible. Once the well is drilled out, the boring is filled with Portland cement injected through the augers or a tremmie pipe under pressure to the bottom of the boring. The well vault is removed and the area resurfaced or backfilled as required.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

STANDARD FIELD PROCEDURES FOR SOIL BORING AND WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the ASTM D2488-06 Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

Soil Boring and Sampling

Prior to drilling, the first 8 feet of the boring are cleared using an air or water knife and vacuum extraction or hand auger. This minimizes the potential for impacting utilities. Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

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

Sample Analysis

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

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Grouting

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

WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I, II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

Appendix E

Boring Logs

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-1
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	19-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	19-Dec-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	283.88 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	283.45 ft above msl
BORING DIAMETER	10	**SCREENED INTERVALS**	10 to 50 fbg
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	35.00 fbg (19-Dec-13)
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	
REMARKS	Cleared to 8 fbg w/air-knife equipped vacuum truck		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Concrete
							FILL: Sand and silt with interbedded construction debris; dry to moist; loose.		4" diam., Schedule 40 PVC
0.0		DPE-1 -5		5					Portland Type I/II
									Hydrated Bentonite Chips
									#2/12 Lapis Sand
0.0	5/10/18	DPE-1 -10		10			SILT: Brown; moist; very stiff; low plasticity.	10.0	
1.2	12/18/24	DPE-1 -15		15					
				20					

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-1
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	19-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	19-Dec-13

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
478	18/20/25	DPE-1 -20					@20 fbg: Color change to green-brown.		
1736	10/10/10	DPE-1 -25		25	ML				
2549	14/23/23	DPE-1 -30		30			@30 fbg: increase silt, no sand, brown.		4"-diam., 0.020" Slotted Schedule 40 PVC
75.8		DPE-1 -35		35			@35 fbg: wet. ▽		
				40				40.0	
		DPE-1 -41			ML		Gravelly SILT: Olive green; wet; no plasticity.		

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-1
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	19-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	19-Dec-13

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
83.0		DPE-1 -45		45	ML		SILT: Light brown; wet; very stiff; no plasticity.	45.0	
		DPE-1 -51		50			SILTSTONE: Gray to light gray.	51.0	4" diam., Schedule 40 PVC
		DPE-1 -52.5						53.0	Bottom of Boring @ 53 fbg

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-2
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	20-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	20-Dec-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	286.59 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	286.20 ft above msl
BORING DIAMETER	10	**SCREENED INTERVALS**	10 to 50 fbg
LOGGED BY	Adam Ginsburg	**DEPTH TO WATER (First Encountered)**	35.00 fbg (20-Dec-13)
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	
REMARKS	Cleared to 8 fbg w/air-knife equipped vacuum truck		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Concrete
							FILL: Sand and silt with interbedded construction debris; dry to moist; loose.		4" diam., Schedule 40 PVC
0.0		DPE-2 -5		5					Portland Type I/II
									Hydrated Bentonite Chips
									#2/12 Lapis Sand
0.1	13/31/40	DPE-2 -10		10	SW		SAND: Light brown; dry to moist; dense; no plasticity.	10.0	
0.1	10/13/13	DPE-2 -15		15			CLAY: Mottled brown; moist; very stiff; moderate plasticity.	15.0	
				20					

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-2
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	20-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	20-Dec-13

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
15.9	16/23/32	DPE-2 -20					@20 fbg: small pebbles.		
210.9	17/20/25	DPE-2 -25		25					
383.2	17/50 for 6"	DPE-2 -30		30	CL				4"-diam., 0.020" Slotted Schedule 40 PVC
94.0	12/22/35	DPE-2 -35		35			@35 fbg: wet. ▽		
48.0	18/20/21	DPE-2 -40		40					

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-2
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	20-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	20-Dec-13

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								45.0	
4.5	27/50 for 6"	DPE-2 -45		45			Silty SAND: Gray; wet; very dense; no plasticity.		
					SM				
32.5	50 for 5.5"	DPE-2 -50		50					
								51.5	4" diam., Schedule 40 PVC
							SILTSTONE: Gray to light gray.		
3.3								53.0	Bottom of Boring @ 53 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950-1\3125BC-1\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 2/19/14

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-3
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	10-Jan-14
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	10-Jan-14
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	275.42 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	275.22 ft above msl
BORING DIAMETER	10	**SCREENED INTERVALS**	7 to 40 fbg
LOGGED BY	Adam Ginsburg	**DEPTH TO WATER (First Encountered)**	30.00 fbg (10-Jan-14)
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	
REMARKS	Cleared to 8 fbg w/air-knife equipped vacuum truck		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							Topsoil and Ivy; dark brown; dry to moist; loose to moderately firm.	
0.0		B-3-2 .5					FILL: Sand and silt; brown to dark brown; dry to moist; firm; minor construction debris (i.e., foam, stray metal).	2.5
0.0		B-3-5		5				
0.0	4/7/8	B-3-1 0		10				
							CLAY: Brown; moist; very stiff; moderate plasticity.	13.0
167	3/7/11	B-3-1 5		15				
				20				

WELL DIAGRAM: Concrete; 4" diam., Schedule 40 PVC; Portland Type I/II; Hydrated Bentonite Chips; #2/12 Lapis Sand

WELL LOG (PID) I:\CHEVRON\3119--\311950~1\3125BC~1\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 2/19/14

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DPE-3
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	10-Jan-14
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	10-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1178	3/10/13	B-3-2 0			CL				4"-diam., 0.020" Slotted Schedule 40 PVC
205	1/3/7	B-3-2 5		25					
2.1	1/5/10	B-3-3 0		30			▽ SILT: Brown; wet; stiff; moderate plasticity.	30.0	
1.4	15/15/23	B-3-3 5		35	ML		@35 fbg: increase in sand.		
							SILTSTONE: Gray.	38.0	
	50 for 0	B-3-4 0		40				40.0	Bottom of Boring @ 40 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950-\13125BC-1\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 2/19/14

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VEW-1
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	18-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	18-Dec-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	285.61 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	284.93 ft above msl
BORING DIAMETER	10	**SCREENED INTERVALS**	7 to 17 fbg
LOGGED BY	Adam Ginsburg	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared to 8 fbg w/air-knife equipped vacuum truck		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Concrete
							FILL: Sand and silt with interbedded construction debris; dry to moist.		4" diam., Schedule 40 PVC
									Portland Type I/II
									Hydrated Bentonite Chips
0.0		VEW-1 -5		5					#2/12 Lapis Sand
706	50 for 6"	VEW-1 -10		10	ML		SILT: Dark brown; dry to moist; hard; low plasticity.	10.0	
									4"-diam., 0.020" Slotted Schedule 40 PVC
874	7/50 for 6"	VEW-1 -15		15	CL		CLAY: Mottled brown; moist; hard; low plasticity.	15.0	
					ML		SILT: Brown; moist; hard; low plasticity.	16.5	
885	6/50 for 4"	VEW-1 -17						17.0	Bottom of Boring @ 17 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950-1\3125BC-1\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 2/19/14

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VEW-2
JOB/SITE NAME	Former Chevron Service Station 95607	**DRILLING STARTED**	19-Dec-13
LOCATION	5269 Crow Canyon Rd, Castro Valley, CA	**DRILLING COMPLETED**	19-Dec-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	286.98 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	286.68 ft above msl
BORING DIAMETER	10	**SCREENED INTERVALS**	7 to 17 fbg
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared to 8 fbg w/air-knife equipped vacuum truck		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Concrete
							FILL: Sand and silt with interbedded construction debris; dry to moist.		4" diam., Schedule 40 PVC
									Portland Type I/II
									Hydrated Bentonite Chips
0.0		VEW-2 -5		5					#2/12 Lapis Sand
0		VEW-2 -10		10			CLAY: Dark grey w/ greenish mottling; moist; stiff; moderate plasticity.	10.0	
					CL				4"-diam., 0.020" Slotted Schedule 40 PVC
0		VEW-2 -15		15					
								16.5	
					ML		SILT: Brown; moist; firm; low plasticity.	17.0	
1		VEW-2 -17							Bottom of Boring @ 17 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950~1\3125BC~1\311950-BORING LOGS DEC2013.GPJ DEFAULT.GDT 2/19/14

Appendix F

Laboratory Reports

REVISED

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 16, 2014

Project: 95607

Submittal Date: 12/27/2013
Group Number: 1443173
PO Number: 0015118368
Release Number: HOPKINS/HETRICK
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
VEW-1-S-5-131216 NA Soil	7324939
VEW-1-S-10-131218 NA Soil	7324940
VEW-1-S-15-131218 NA Soil	7324941
VEW-1-S-17-131218 NA Soil	7324942
VEW-2-S-5-131216 NA Soil	7324943
VEW-2-S-10-131219 NA Soil	7324944
VEW-2-S-15-131219 NA Soil	7324945
VEW-2-S-17-131219 NA Soil	7324946
DPE-1-S-5-131218 NA Soil	7324947
DPE-1-S-10-131219 NA Soil	7324948
DPE-1-S-15-131219 NA Soil	7324949
DPE-1-S-20-131219 NA Soil	7324950
DPE-1-S-25-131219 NA Soil	7324951
DPE-1-S-30-131219 NA Soil	7324952
DPE-1-S-35-131219 NA Soil	7324953
DPE-1-S-41-131219 NA Soil	7324954
DPE-1-S-52.5-131219 NA Soil	7324955
DPE-1-S-45-131219 NA Soil	7324956
DPE-1-S-51-131219 NA Soil	7324957
DPE-2-S-5-131217 NA Soil	7324958
DPE-2-S-10-131220 NA Soil	7324959
DPE-2-S-15-131220 NA Soil	7324960
DPE-2-S-20-131220 NA Soil	7324961
DPE-2-S-25-131220 NA Soil	7324962
DPE-2-S-30-131220 NA Soil	7324963
DPE-2-S-35-131220 NA Soil	7324964
DPE-2-S-40-131220 NA Soil	7324965
DPE-2-S-45-131220 NA Soil	7324966
DPE-2-S-50-131220 NA Soil	7324967
DPE-3-S-5-131217 NA Soil	7324968

REVISED

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

REVISED

Sample Description: VEW-1-S-5-131216 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324939
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/16/2013 10:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV11

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	0.001	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.001	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	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	0.004	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.006	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.011	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.013	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	0.009	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	0.006	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	0.004	0.003	0.017	1
10724	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.006	0.003	0.017	1
10724	Pyrene	129-00-0	0.008	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.13
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.98	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 18:47	Andrea E Lando	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: VEW-1-S-5-131216 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324939
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/16/2013 10:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV11

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:00	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 00:27	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 13:14	Laura M Krieger	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:01	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 13:31	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-1-S-10-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324940
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:00 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV12

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	50.4
10237	Ethylbenzene	100-41-4	N.D.	0.050	0.25	50.4
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.4
10237	Naphthalene	91-20-3	0.070	0.050	0.25	50.4
10237	Toluene	108-88-3	N.D.	0.050	0.25	50.4
10237	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	50.4
Reporting limits were raised due to interference from the sample matrix.						
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.033	0.17	10
10724	Acenaphthylene	208-96-8	N.D.	0.033	0.17	10
10724	Anthracene	120-12-7	N.D.	0.033	0.17	10
10724	Benzo(a)anthracene	56-55-3	0.041	0.033	0.17	10
10724	Benzo(a)pyrene	50-32-8	N.D.	0.033	0.17	10
10724	Benzo(b)fluoranthene	205-99-2	0.050	0.033	0.17	10
10724	Benzo(g,h,i)perylene	191-24-2	0.065	0.033	0.17	10
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.033	0.17	10
10724	Chrysene	218-01-9	0.15	0.033	0.17	10
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.033	0.17	10
10724	Fluoranthene	206-44-0	N.D.	0.033	0.17	10
10724	Fluorene	86-73-7	N.D.	0.033	0.17	10
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.033	0.17	10
10724	Naphthalene	91-20-3	0.067	0.033	0.17	10
10724	Phenanthrene	85-01-8	0.051	0.033	0.17	10
10724	Pyrene	129-00-0	0.073	0.033	0.17	10
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	220	10	10	252.02
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	6.54	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/29/2013 22:11	Sarah A Guill	50.4

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

REVISED

Sample Description: VEW-1-S-10-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324940
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:00 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV12

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	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:03	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 07:55	Holly Berry	10
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 20:30	Laura M Krieger	252.02
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:04	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 11:59	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-1-S-15-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324941
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV13

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	0.20	0.027	0.27	53.88
10237	Ethylbenzene	100-41-4	13	0.054	0.27	53.88
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	53.88
10237	Naphthalene	91-20-3	6.1	0.054	0.27	53.88
10237	Toluene	108-88-3	N.D.	0.054	0.27	53.88
10237	Xylene (Total)	1330-20-7	0.42	0.054	0.27	53.88
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.006	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	0.004	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.007	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.004	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.006	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	0.009	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	0.008	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	1.1	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.016	0.003	0.017	1
10724	Pyrene	129-00-0	0.01	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	550	38	38	948.77
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.71	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133641AA	12/30/2013 23:29	Sarah A Guill	53.88
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: VEW-1-S-15-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324941
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV13

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:06	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 02:01	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 21:06	Laura M Krieger	948.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:07	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 13:34	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-1-S-17-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324942
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:15 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV14

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	0.092	0.024	0.24	48.73
10237	Ethylbenzene	100-41-4	5.9	0.049	0.24	48.73
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	48.73
10237	Naphthalene	91-20-3	2.1	0.049	0.24	48.73
10237	Toluene	108-88-3	N.D.	0.049	0.24	48.73
10237	Xylene (Total)	1330-20-7	2.3	0.049	0.24	48.73
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.008	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.004	0.003	0.017	1
10724	Anthracene	120-12-7	0.004	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.007	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.004	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.005	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	0.005	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	0.007	0.003	0.017	1
10724	Fluorene	86-73-7	0.008	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	0.55	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.022	0.003	0.017	1
10724	Pyrene	129-00-0	0.015	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	220	39	39	971.82
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	5.73	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133641AA	12/30/2013 23:52	Sarah A Guill	48.73
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: VEW-1-S-17-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-1

LL Sample # SW 7324942
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 13:15 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV14

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:10	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 02:25	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 21:42	Laura M Krieger	971.82
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:10	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 14:42	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-2-S-5-131216 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324943
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/16/2013 14:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV21

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	1.05
10237	Ethylbenzene	100-41-4	0.012	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Naphthalene	91-20-3	0.012	0.001	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	0.033	0.001	0.005	1.05
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.004	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	0.004	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.003	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.004	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.007	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	0.006	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	0.004	0.003	0.017	1
10724	Fluorene	86-73-7	0.005	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	0.056	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.011	0.003	0.017	1
10724	Pyrene	129-00-0	0.005	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	15	1.9	1.9	48.08
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.95	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 02:15	Andrea E Lando	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: VEW-2-S-5-131216 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324943
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/16/2013 14:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV21

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:13	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 02:48	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 15:03	Laura M Krieger	48.08
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:14	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 13:42	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-2-S-10-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324944
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:24 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV22

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	1.02
10237	Ethylbenzene	100-41-4	0.10	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	0.24	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	0.010	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	0.004	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	40	9.9	9.9	247.04
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	7.19	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133642AA	12/30/2013 19:59	Chelsea B Stong	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

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Analysis Report

REVISED

Sample Description: VEW-2-S-10-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324944
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:24 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV22

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:16	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 15:47	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 21:56	Laura M Krieger	247.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:17	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 13:46	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-2-S-15-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324945
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:34 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV23

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	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
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	0.004	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.006	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	0.006	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	0.004	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	0.009	0.003	0.017	1
10724	Phenanthrene	85-01-8	N.D.	0.003	0.017	1
10724	Pyrene	129-00-0	0.004	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.95
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.62	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133642AA	12/30/2013 17:45	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: VEW-2-S-15-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324945
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:34 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV23

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:21	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 16:10	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 12:15	Laura M Krieger	23.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:22	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	133655708005	01/06/2014 13:53	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	133655708005	01/05/2014 22:59	Annamaria Kuhns	1

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

REVISED

Sample Description: VEW-2-S-17-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324946
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:42 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV24

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	0.003	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	0.005	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	0.002	0.001	0.005	1.04
	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	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.3	1.0	1.0	25.23
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.58	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.

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

REVISED

Sample Description: VEW-2-S-17-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VEW-2

LL Sample # SW 7324946
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 08:42 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVV24

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	B133631AA	12/29/2013 19:54	Andrea E Lando	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:24	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 16:34	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 12:51	Laura M Krieger	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:25	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140075708004	01/08/2014 10:47	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140075708004	01/07/2014 22:02	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-5-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324947
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 10:05 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD11

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	0.001	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/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	N.D.	0.033	0.17	10
10724	Acenaphthylene	208-96-8	N.D.	0.033	0.17	10
10724	Anthracene	120-12-7	N.D.	0.033	0.17	10
10724	Benzo(a)anthracene	56-55-3	N.D.	0.033	0.17	10
10724	Benzo(a)pyrene	50-32-8	0.051	0.033	0.17	10
10724	Benzo(b)fluoranthene	205-99-2	0.036	0.033	0.17	10
10724	Benzo(g,h,i)perylene	191-24-2	0.10	0.033	0.17	10
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.033	0.17	10
10724	Chrysene	218-01-9	0.079	0.033	0.17	10
10724	Dibenz(a,h)anthracene	53-70-3	N.D.	0.033	0.17	10
10724	Fluoranthene	206-44-0	N.D.	0.033	0.17	10
10724	Fluorene	86-73-7	N.D.	0.033	0.17	10
10724	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.033	0.17	10
10724	Naphthalene	91-20-3	N.D.	0.033	0.17	10
10724	Phenanthrene	85-01-8	N.D.	0.033	0.17	10
10724	Pyrene	129-00-0	0.040	0.033	0.17	10
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	9.6	9.6	240.85
	Reporting limits were raised due to sample foaming.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.0	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 20:17	Andrea E Lando	1.03

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

REVISED

Sample Description: DPE-1-S-5-131218 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324947
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/18/2013 10:05 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD11

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	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:27	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 07:31	Holly Berry	10
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 13:28	Laura M Krieger	240.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:28	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140075708004	01/08/2014 10:51	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140075708004	01/07/2014 22:02	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-10-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324948
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:40 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD12

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	0.004	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	1.0	1.0	25.99
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	12.7	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 20:40	Andrea E Lando	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-1-S-10-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324948
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:40 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD12

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:32	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/02/2014 15:20	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 14:04	Laura M Krieger	25.99
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:33	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140075708004	01/08/2014 10:55	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140075708004	01/07/2014 22:02	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-15-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324949
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD13

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	0.004	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.0	1	1	24.49
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.92	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 21:02	Andrea E Lando	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-1-S-15-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324949
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD13

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	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:36	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 16:57	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 14:40	Laura M Krieger	24.49
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:36	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 09:46	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-20-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324950
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD14

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	0.035	0.026	0.26	52.08
10237	Ethylbenzene	100-41-4	0.17	0.052	0.26	52.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	52.08
10237	Naphthalene	91-20-3	0.21	0.052	0.26	52.08
10237	Toluene	108-88-3	N.D.	0.052	0.26	52.08
10237	Xylene (Total)	1330-20-7	0.065	0.052	0.26	52.08
Reporting limits were raised due to interference from the sample matrix.						
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	0.012	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.012	0.003	0.017	1
10724	Pyrene	129-00-0	N.D.	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	180	10	10	248.76
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	3.71	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/29/2013 23:20	Sarah A Guill	52.08

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

REVISED

Sample Description: DPE-1-S-20-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324950
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 10:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD14

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	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:39	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/02/2014 15:44	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 22:33	Laura M Krieger	248.76
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:39	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 09:23	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-25-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324951
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 11:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD15

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	1.2	0.26	2.6	523.01
10237	Ethylbenzene	100-41-4	100	0.52	2.6	523.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.26	2.6	523.01
10237	Naphthalene	91-20-3	33	0.52	2.6	523.01
10237	Toluene	108-88-3	10	0.52	2.6	523.01
10237	Xylene (Total)	1330-20-7	460	5.2	26	5230.13
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.035	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.019	0.003	0.017	1
10724	Anthracene	120-12-7	0.017	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	0.004	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	0.006	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.004	0.003	0.017	1
10724	Chrysene	218-01-9	0.009	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	0.010	0.003	0.017	1
10724	Fluorene	86-73-7	0.023	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	5.6	0.016	0.084	5
10724	Phenanthrene	85-01-8	0.047	0.003	0.017	1
10724	Pyrene	129-00-0	0.020	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3,900	200	200	4960.32
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	4.10	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/29/2013 23:43	Sarah A Guill	523.01
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/30/2013 00:06	Sarah A Guill	5230.13

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

REVISED

Sample Description: DPE-1-S-25-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324951
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 11:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD15

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	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:55	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 17:21	Linda M Hartenstine	1
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/02/2014 10:11	Linda M Hartenstine	5
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 23:09	Laura M Krieger	4960.32
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:56	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 09:50	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-30-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324952
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:30 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD16

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	2.8	0.047	0.47	94.7
10237	Ethylbenzene	100-41-4	38	0.95	4.7	946.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.047	0.47	94.7
10237	Naphthalene	91-20-3	12	0.095	0.47	94.7
10237	Toluene	108-88-3	2.0	0.095	0.47	94.7
10237	Xylene (Total)	1330-20-7	36	0.095	0.47	94.7
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.045	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.025	0.003	0.017	1
10724	Anthracene	120-12-7	0.023	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.011	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.006	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.005	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.006	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.005	0.003	0.017	1
10724	Chrysene	218-01-9	0.009	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	0.013	0.003	0.017	1
10724	Fluorene	86-73-7	0.030	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	0.004	0.003	0.017	1
10724	Naphthalene	91-20-3	8.5	0.016	0.084	5
10724	Phenanthrene	85-01-8	0.056	0.003	0.017	1
10724	Pyrene	129-00-0	0.022	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1,300	100	100	2574.67
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	7.12	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/30/2013 00:29	Sarah A Guill	94.7
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/30/2013 00:52	Sarah A Guill	946.97

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

REVISED

Sample Description: DPE-1-S-30-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324952
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:30 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD16

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	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:21	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:58	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 17:44	Linda M Hartenstine	1
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/02/2014 10:35	Linda M Hartenstine	5
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 23:45	Laura M Krieger	2574.67
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 15:59	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:02	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-35-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324953
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD17

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	0.011	0.0005	0.005	0.93
10237	Ethylbenzene	100-41-4	0.11	0.0009	0.005	0.93
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10237	Naphthalene	91-20-3	0.050	0.0009	0.005	0.93
10237	Toluene	108-88-3	0.008	0.0009	0.005	0.93
10237	Xylene (Total)	1330-20-7	0.23	0.0009	0.005	0.93
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	0.027	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.3	1.0	1.0	25.03
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	10.7	0.481	1.44	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 01:31	Andrea E Lando	0.93
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

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Analysis Report

REVISED

Sample Description: DPE-1-S-35-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324953
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD17

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:02	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLG026	01/01/2014 18:08	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLG026	12/31/2013 08:00	Joseph S Feister	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 15:17	Laura M Krieger	25.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:03	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:06	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-41-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324954
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD18

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	0.001	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	0.006	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	0.011	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	0.007	0.001	0.005	1.01
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	0.008	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.51
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.2	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 21:25	Andrea E Lando	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

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Analysis Report

REVISED

Sample Description: DPE-1-S-41-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324954
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 13:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD18

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:05	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 10:59	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 15:53	Laura M Krieger	25.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:06	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:10	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-52.5-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324955
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD19

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	0.98
10237	Ethylbenzene	100-41-4	0.004	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.98
10237	Toluene	108-88-3	0.001	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	0.008	0.001	0.005	0.98
	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	0.006	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	0.014	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.011	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.016	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.011	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.012	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.005	0.003	0.017	1
10724	Chrysene	218-01-9	0.013	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	0.029	0.003	0.017	1
10724	Fluorene	86-73-7	0.018	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	0.004	0.003	0.017	1
10724	Naphthalene	91-20-3	0.053	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.056	0.003	0.017	1
10724	Pyrene	129-00-0	0.038	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.9	0.9	0.9	23.47
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	10.3	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.

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

REVISED

Sample Description: DPE-1-S-52.5-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324955
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD19

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	B133642AA	12/30/2013 18:30	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:09	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 11:22	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 18:18	Laura M Krieger	23.47
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:09	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:14	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-45-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324956
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD110

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	0.067	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	0.25	0.054	0.27	54.11
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	0.026	0.001	0.005	1.01
10237	Toluene	108-88-3	0.053	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	0.71	0.001	0.005	1.01
	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.					
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	0.003	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	0.044	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	8.2	1	1	24.18
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.0	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.

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

REVISED

Sample Description: DPE-1-S-45-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324956
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD110

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	B133642AA	12/30/2013 19:37	Chelsea B Stong	1.01
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133641AA	12/31/2013 01:47	Sarah A Guill	54.11
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:13	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 11:46	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 18:55	Laura M Krieger	24.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:14	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:18	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-1-S-51-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324957
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:35 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD111

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	1.02
10237	Ethylbenzene	100-41-4	0.004	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	0.001	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	0.009	0.001	0.005	1.02
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.011	0.003	0.017	1
10724	Acenaphthylene	208-96-8	N.D.	0.003	0.017	1
10724	Anthracene	120-12-7	0.020	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.015	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	0.018	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.017	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	0.007	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	0.042	0.003	0.017	1
10724	Fluorene	86-73-7	0.025	0.003	0.017	1
10724	Indeno(1,2,3-cd)pyrene	193-39-5	0.005	0.003	0.017	1
10724	Naphthalene	91-20-3	0.020	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.072	0.003	0.017	1
10724	Pyrene	129-00-0	0.055	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	9.2	1.0	1.0	25.59
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	12.0	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133642AA	12/30/2013 19:14	Chelsea B Stong	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-1-S-51-131219 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-1

LL Sample # SW 7324957
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/19/2013 14:35 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD111

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:17	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 12:10	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 19:31	Laura M Krieger	25.59
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:18	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:22	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-5-131217 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324958
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/17/2013 10:20 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD21

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	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	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	0.005	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.53
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	7.39	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 21:48	Andrea E Lando	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-5-131217 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324958
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/17/2013 10:20 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD21

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:20	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 03:12	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 13:51	Laura M Krieger	24.53
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:21	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:26	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-10-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324959
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 09:50 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD22

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	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	0.001	0.001	0.005	1
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	0.006	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	0.008	0.003	0.017	1
10724	Pyrene	129-00-0	0.007	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.03
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.57	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133642AA	12/30/2013 18:52	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-10-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324959
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 09:50 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD22

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:57	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 12:33	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 20:07	Laura M Krieger	25.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 16:58	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:30	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-15-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324960
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 09:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD23

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	0.030	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	0.004	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	0.022	0.001	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	0.01	0.001	0.005	0.98
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	0.058	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.2	1.0	1.0	25.59
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.96	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 22:10	Andrea E Lando	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-15-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324960
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 09:55 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD23

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 17:05	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201336133533	12/27/2013 17:05	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 12:57	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 11:38	Laura M Krieger	25.59
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:09	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 17:10	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201336133533	12/27/2013 17:11	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201336133533	12/27/2013 17:10	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201336133533	12/27/2013 17:08	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:34	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-20-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324961
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:00 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD24

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	0.004	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/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	0.003	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.004	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.009	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.005	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	0.006	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	0.009	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	0.015	0.003	0.017	1
10724	Pyrene	129-00-0	0.010	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.83
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	10.5	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 23:17	Andrea E Lando	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-20-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324961
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:00 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD24

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	2	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:14	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 13:21	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	12/31/2013 20:43	Laura M Krieger	23.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:15	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:38	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-25-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324962
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:05 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD25

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	0.19	0.025	0.25	50.61
10237	Ethylbenzene	100-41-4	5.3	0.051	0.25	50.61
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.61
10237	Naphthalene	91-20-3	4.3	0.051	0.25	50.61
10237	Toluene	108-88-3	N.D.	0.051	0.25	50.61
10237	Xylene (Total)	1330-20-7	3.1	0.051	0.25	50.61
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.021	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.013	0.003	0.017	1
10724	Anthracene	120-12-7	0.014	0.003	0.017	1
10724	Benzo(a)anthracene	56-55-3	0.005	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.003	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	0.004	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	0.007	0.003	0.017	1
10724	Fluorene	86-73-7	0.028	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	3.9	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.040	0.003	0.017	1
10724	Pyrene	129-00-0	0.012	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	610	42	42	1048.22
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	7.65	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/30/2013 01:15	Sarah A Guill	50.61
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:22	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-25-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324962
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:05 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD25

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	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:20	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 13:45	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	01/01/2014 00:21	Laura M Krieger	1048.22
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:20	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:50	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-30-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324963
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD26

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	2.1	0.024	0.24	47.89
10237	Ethylbenzene	100-41-4	13	0.048	0.24	47.89
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	47.89
10237	Naphthalene	91-20-3	4.0	0.048	0.24	47.89
10237	Toluene	108-88-3	0.30	0.048	0.24	47.89
10237	Xylene (Total)	1330-20-7	36	0.48	2.4	478.93
GC/MS Semivolatiles	**SW-846 8270C**		**mg/kg**	**mg/kg**	**mg/kg**	
10724	Acenaphthene	83-32-9	0.013	0.003	0.017	1
10724	Acenaphthylene	208-96-8	0.006	0.003	0.017	1
10724	Anthracene	120-12-7	0.006	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	0.003	0.003	0.017	1
10724	Fluorene	86-73-7	0.011	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	2.2	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.016	0.003	0.017	1
10724	Pyrene	129-00-0	0.005	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	430	93	93	2332.09
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.44	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133631AA	12/30/2013 02:01	Sarah A Guill	478.93
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133641AA	12/31/2013 00:15	Sarah A Guill	47.89

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

REVISED

Sample Description: DPE-2-S-30-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324963
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:10 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD26

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	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:23	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 14:09	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13365A31A	01/01/2014 00:57	Laura M Krieger	2332.09
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:24	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:53	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-35-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324964
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:20 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD27

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	0.027	0.27	54.59
10237	Ethylbenzene	100-41-4	0.009	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0006	0.0005	0.005	1
10237	Naphthalene	91-20-3	0.003	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	0.006	0.001	0.005	1
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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	9.8	1	1	24.25
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	6.12	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 01:53	Andrea E Lando	1
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	Q133641AA	12/31/2013 00:38	Sarah A Guill	54.59

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

REVISED

Sample Description: DPE-2-S-35-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324964
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:20 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD27

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	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:27	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13364SLJ026	01/02/2014 14:33	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13364SLJ026	12/31/2013 09:30	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14002A31A	01/02/2014 15:34	Laura M Krieger	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 17:27	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 10:57	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-40-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324965
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD28

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	0.003	0.0005	0.005	0.93
10237	Ethylbenzene	100-41-4	0.001	0.0009	0.005	0.93
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.93
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.93
10237	Xylene (Total)	1330-20-7	0.001	0.0009	0.005	0.93
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	0.006	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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.9	0.9	23.06
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	5.72	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/29/2013 23:39	Andrea E Lando	0.93
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-40-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324965
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:25 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD28

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	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:09	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13365SLD026	01/06/2014 11:12	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13365SLD026	01/02/2014 09:40	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14002A31A	01/02/2014 16:10	Laura M Krieger	23.06
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:09	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 11:01	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-45-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324966
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:35 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD29

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	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
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
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.13
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	4.90	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 00:01	Andrea E Lando	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-45-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324966
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:35 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD29

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	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:12	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13365SLD026	01/06/2014 11:36	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13365SLD026	01/02/2014 09:40	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14002A31A	01/02/2014 16:47	Laura M Krieger	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:13	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 11:05	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-2-S-50-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324967
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:40 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD210

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	0.29	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.034	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	0.16	0.001	0.005	0.99
10237	Toluene	108-88-3	0.004	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	0.047	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	0.005	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	0.21	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.006	0.003	0.017	1
10724	Pyrene	129-00-0	0.004	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.6	1	1	24.3
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	5.83	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 00:24	Andrea E Lando	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-2-S-50-131220 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-2

LL Sample # SW 7324967
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/20/2013 10:40 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

VD210

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	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:15	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13365SLD026	01/06/2014 11:59	Linda M Hartenstine	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13365SLD026	01/02/2014 09:40	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14002A31A	01/02/2014 17:23	Laura M Krieger	24.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:15	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 11:09	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

REVISED

Sample Description: DPE-3-S-5-131217 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-3

LL Sample # SW 7324968
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/17/2013 14:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD31

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	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	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	0.005	0.003	0.017	1
10724	Benzo(a)pyrene	50-32-8	0.006	0.003	0.017	1
10724	Benzo(b)fluoranthene	205-99-2	0.009	0.003	0.017	1
10724	Benzo(g,h,i)perylene	191-24-2	0.009	0.003	0.017	1
10724	Benzo(k)fluoranthene	207-08-9	N.D.	0.003	0.017	1
10724	Chrysene	218-01-9	0.009	0.003	0.017	1
10724	Dibenz(a,h)anthracene	53-70-3	0.004	0.003	0.017	1
10724	Fluoranthene	206-44-0	0.007	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	0.007	0.003	0.017	1
10724	Naphthalene	91-20-3	N.D.	0.003	0.017	1
10724	Phenanthrene	85-01-8	0.005	0.003	0.017	1
10724	Pyrene	129-00-0	0.01	0.003	0.017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.35
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	13.2	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	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B133631AA	12/30/2013 00:46	Andrea E Lando	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.

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

REVISED

Sample Description: DPE-3-S-5-131217 NA Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 DPE-3

LL Sample # SW 7324968
LL Group # 1443173
Account # 10880

Project Name: 95607

Collected: 12/17/2013 14:45 by AG

Submitted: 12/27/2013 10:15
Reported: 01/16/2014 11:24

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CVD31

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	2	201336133533	12/27/2013 18:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:18	Mitchell R Washel	n.a.
10724	PAH's 8270C Soil	SW-846 8270C	1	13361SLC026	12/31/2013 03:36	Holly Berry	1
10814	BNA Soil Microwave PAH	SW-846 3546	1	13361SLC026	12/30/2013 10:00	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13364A31A	12/30/2013 16:16	Laura M Krieger	25.35
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201336133533	12/27/2013 18:19	Mitchell R Washel	n.a.
06955	Lead	SW-846 6010B	1	140085708001	01/09/2014 11:13	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140085708001	01/09/2014 00:18	Annamaria Kuhns	1

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

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1443173
Reported: 01/16/14 at 11:24 AM

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: B133631AA	Sample number(s): 7324939,7324943,7324946-7324949,7324953-7324954,7324958,7324960-7324961,7324964-7324968								
Benzene	N.D.	0.0005	0.005	mg/kg	92		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	100		69-126		
Naphthalene	N.D.	0.001	0.005	mg/kg	89		59-123		
Toluene	N.D.	0.001	0.005	mg/kg	94		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	93		80-120		
Batch number: B133642AA	Sample number(s): 7324944-7324945,7324955-7324957,7324959								
Benzene	N.D.	0.0005	0.005	mg/kg	104	106	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	104	107	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	114	108	69-126	5	30
Naphthalene	N.D.	0.001	0.005	mg/kg	112	102	59-123	10	30
Toluene	N.D.	0.001	0.005	mg/kg	105	109	80-120	4	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	104	110	80-120	6	30
Batch number: Q133631AA	Sample number(s): 7324940,7324950-7324952,7324962-7324963								
Benzene	N.D.	0.025	0.25	mg/kg	96	94	80-120	1	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	87	88	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	93	93	69-126	0	30
Naphthalene	N.D.	0.050	0.25	mg/kg	77	83	59-123	7	30
Toluene	N.D.	0.050	0.25	mg/kg	91	91	80-120	0	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	90	89	80-120	0	30
Batch number: Q133641AA	Sample number(s): 7324941-7324942,7324956,7324963-7324964								
Benzene	N.D.	0.025	0.25	mg/kg	93	93	80-120	0	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	86	86	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	93	92	69-126	1	30
Naphthalene	N.D.	0.050	0.25	mg/kg	77	86	59-123	11	30
Toluene	N.D.	0.050	0.25	mg/kg	90	90	80-120	1	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	88	88	80-120	1	30
Batch number: 13361SLC026	Sample number(s): 7324939-7324943,7324947,7324958,7324968								
Acenaphthene	N.D.	0.003	0.017	mg/kg	97		83-111		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	108		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	101		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	99		81-117		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	104		84-122		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	100		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	104		80-125		
Chrysene	N.D.	0.003	0.017	mg/kg	93		77-116		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	106		81-123		

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Fluoranthene	N.D.	0.003	0.017	mg/kg	95		79-123		
Fluorene	N.D.	0.003	0.017	mg/kg	102		86-118		
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	109		77-122		
Naphthalene	N.D.	0.003	0.017	mg/kg	100		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		
Batch number: 13364SLG026	Sample number(s): 7324944-7324946,7324948-7324953								
Acenaphthene	N.D.	0.003	0.017	mg/kg	102		83-111		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	114		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	106		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	99		81-117		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	108		84-122		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	107		76-124		
Benzo(g,h,i)perylene	N.D.	0.003	0.017	mg/kg	103		77-122		
Benzo(k)fluoranthene	N.D.	0.003	0.017	mg/kg	111		80-125		
Chrysene	N.D.	0.003	0.017	mg/kg	92		77-116		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	104		81-123		
Fluoranthene	N.D.	0.003	0.017	mg/kg	99		79-123		
Fluorene	N.D.	0.003	0.017	mg/kg	108		86-118		
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	107		77-122		
Naphthalene	N.D.	0.003	0.017	mg/kg	103		77-115		
Phenanthrene	N.D.	0.003	0.017	mg/kg	105		85-116		
Pyrene	N.D.	0.003	0.017	mg/kg	107		81-114		
Batch number: 13364SLJ026	Sample number(s): 7324954-7324957,7324959-7324964								
Acenaphthene	N.D.	0.003	0.017	mg/kg	99		83-111		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	112		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	102		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	102		81-117		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	105		84-122		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	101		76-124		
Benzo(g,h,i)perylene	N.D.	0.003	0.017	mg/kg	107		77-122		
Benzo(k)fluoranthene	N.D.	0.003	0.017	mg/kg	94		80-125		
Chrysene	N.D.	0.003	0.017	mg/kg	96		77-116		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	107		81-123		
Fluoranthene	N.D.	0.003	0.017	mg/kg	95		79-123		
Fluorene	N.D.	0.003	0.017	mg/kg	105		86-118		
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	111		77-122		
Naphthalene	N.D.	0.003	0.017	mg/kg	101		77-115		
Phenanthrene	N.D.	0.003	0.017	mg/kg	102		85-116		
Pyrene	N.D.	0.003	0.017	mg/kg	103		81-114		
Batch number: 13365SLD026	Sample number(s): 7324965-7324967								
Acenaphthene	N.D.	0.003	0.017	mg/kg	87		83-111		
Acenaphthylene	N.D.	0.003	0.017	mg/kg	98		83-127		
Anthracene	N.D.	0.003	0.017	mg/kg	94		82-118		
Benzo(a)anthracene	N.D.	0.003	0.017	mg/kg	84		81-117		
Benzo(a)pyrene	N.D.	0.003	0.017	mg/kg	94		84-122		
Benzo(b)fluoranthene	N.D.	0.003	0.017	mg/kg	91		76-124		
Benzo(g,h,i)perylene	N.D.	0.003	0.017	mg/kg	90		77-122		
Benzo(k)fluoranthene	N.D.	0.003	0.017	mg/kg	97		80-125		
Chrysene	N.D.	0.003	0.017	mg/kg	81		77-116		
Dibenz(a,h)anthracene	N.D.	0.003	0.017	mg/kg	91		81-123		
Fluoranthene	N.D.	0.003	0.017	mg/kg	85		79-123		
Fluorene	N.D.	0.003	0.017	mg/kg	92		86-118		

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Indeno(1,2,3-cd)pyrene	N.D.	0.003	0.017	mg/kg	95		77-122		
Naphthalene	N.D.	0.003	0.017	mg/kg	93		77-115		
Phenanthrene	N.D.	0.003	0.017	mg/kg	92		85-116		
Pyrene	N.D.	0.003	0.017	mg/kg	93		81-114		
Batch number: 13364A31A	Sample number(s): 7324939-7324943,7324958,7324968								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	101	97	67-119	4	30
Batch number: 13365A31A	Sample number(s): 7324944-7324957,7324959-7324963								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	100		67-119		
Batch number: 14002A31A	Sample number(s): 7324964-7324967								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	98	101	67-119	2	30
Batch number: 133655708005	Sample number(s): 7324939-7324945								
Lead	N.D.	0.500	1.50	mg/kg	106		80-120		
Batch number: 140075708004	Sample number(s): 7324946-7324948								
Lead	N.D.	0.500	1.50	mg/kg	105		80-120		
Batch number: 140085708001	Sample number(s): 7324949-7324968								
Lead	N.D.	0.500	1.50	mg/kg	106		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: B133631AA	Sample number(s): 7324939,7324943,7324946-7324949,7324953-7324954,7324958,7324960-7324961,7324964-7324968 UNSPK: 7324960								
Benzene	107	132	55-143	14	30				
Ethylbenzene	87	73	44-141	6	30				
Methyl Tertiary Butyl Ether	108	109	55-129	11	30				
Naphthalene	142*	87	10-138	19	30				
Toluene	97	95	50-146	8	30				
Xylene (Total)	84	73	44-136	3	30				
Batch number: Q133641AA	Sample number(s): 7324941-7324942,7324956,7324963-7324964 UNSPK: P324644								
Benzene	89	90	55-143	14	30				
Ethylbenzene	83	85	44-141	15	30				
Methyl Tertiary Butyl Ether	87	88	55-129	13	30				
Naphthalene	76	79	10-138	16	30				
Toluene	86	88	50-146	14	30				
Xylene (Total)	84	87	44-136	15	30				
Batch number: 13361SLC026	Sample number(s): 7324939-7324943,7324947,7324958,7324968 UNSPK: 7324939								
Acenaphthene	95	95	61-128	1	30				
Acenaphthylene	105	107	67-130	2	30				
Anthracene	99	99	41-142	0	30				
Benzo(a)anthracene	99	95	32-150	5	30				
Benzo(a)pyrene	103	102	36-151	2	30				

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

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
Benzo(b)fluoranthene	97	99	29-150	2	30				
Benzo(g,h,i)perylene	104	103	41-147	1	30				
Benzo(k)fluoranthene	110	106	44-145	4	30				
Chrysene	94	87	28-146	8	30				
Dibenz(a,h)anthracene	106	105	54-142	1	30				
Fluoranthene	91	90	30-151	1	30				
Fluorene	97	100	55-128	3	30				
Indeno(1,2,3-cd)pyrene	108	106	44-147	2	30				
Naphthalene	97	97	44-142	0	30				
Phenanthrene	99	98	34-147	0	30				
Pyrene	99	101	29-148	2	30				
Batch number: 13364SLG026	Sample number(s): 7324944-7324946,7324948-7324953 UNSPK: P319077								
Acenaphthene	85	84	61-128	1	30				
Acenaphthylene	97	102	67-130	5	30				
Anthracene	86	93	41-142	7	30				
Benzo(a)anthracene	78	83	32-150	6	30				
Benzo(a)pyrene	89	96	36-151	8	30				
Benzo(b)fluoranthene	86	85	29-150	1	30				
Benzo(g,h,i)perylene	83	90	41-147	8	30				
Benzo(k)fluoranthene	99	104	44-145	6	30				
Chrysene	79	80	28-146	2	30				
Dibenz(a,h)anthracene	83	90	54-142	8	30				
Fluoranthene	89	98	30-151	8	30				
Fluorene	90	101	55-128	10	30				
Indeno(1,2,3-cd)pyrene	89	89	44-147	0	30				
Naphthalene	-96 (2)	293 (2)	44-142	18	30				
Phenanthrene	88	91	34-147	3	30				
Pyrene	87	87	29-148	1	30				
Batch number: 13364SLJ026	Sample number(s): 7324954-7324957,7324959-7324964 UNSPK: P320773								
Acenaphthene	95	98	61-128	3	30				
Acenaphthylene	105	106	67-130	1	30				
Anthracene	99	98	41-142	1	30				
Benzo(a)anthracene	94	93	32-150	1	30				
Benzo(a)pyrene	101	99	36-151	2	30				
Benzo(b)fluoranthene	104	94	29-150	10	30				
Benzo(g,h,i)perylene	102	102	41-147	1	30				
Benzo(k)fluoranthene	101	108	44-145	7	30				
Chrysene	91	88	28-146	4	30				
Dibenz(a,h)anthracene	106	103	54-142	4	30				
Fluoranthene	91	88	30-151	3	30				
Fluorene	96	98	55-128	2	30				
Indeno(1,2,3-cd)pyrene	105	103	44-147	2	30				
Naphthalene	99	101	44-142	2	30				
Phenanthrene	101	100	34-147	2	30				
Pyrene	101	101	29-148	1	30				
Batch number: 13365SLD026	Sample number(s): 7324965-7324967 UNSPK: P324618								
Acenaphthene	156*	147*	61-128	5	30				
Acenaphthylene	132*	127	67-130	2	30				
Anthracene	114	116	41-142	3	30				

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

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
Benzo(a)anthracene	98	103	32-150	6	30				
Benzo(a)pyrene	104	103	36-151	0	30				
Benzo(b)fluoranthene	101	102	29-150	1	30				
Benzo(g,h,i)perylene	100	109	41-147	9	30				
Benzo(k)fluoranthene	99	103	44-145	4	30				
Chrysene	99	101	28-146	3	30				
Dibenz(a,h)anthracene	103	104	54-142	2	30				
Fluoranthene	107	105	30-151	1	30				
Fluorene	83	79	55-128	2	30				
Indeno(1,2,3-cd)pyrene	102	107	44-147	5	30				
Naphthalene	51 (2)	96 (2)	44-142	6	30				
Phenanthrene	95	103	34-147	6	30				
Pyrene	108	104	29-148	3	30				
Batch number: 13365A31A	Sample number(s): 7324944-7324957,7324959-7324963 UNSPK: 7324960								
TPH-GRO N. CA soil C6-C12	88	67	39-118	18	30				
Batch number: 133655708005	Sample number(s): 7324939-7324945 UNSPK: 7324940 BKG: 7324940								
Lead	97	97	75-125	0	20	6.54	5.55	16 (1)	20
Batch number: 140075708004	Sample number(s): 7324946-7324948 UNSPK: P327282 BKG: P327282								
Lead	100	118	75-125	9	20	12.7	14.9	16	20
Batch number: 140085708001	Sample number(s): 7324949-7324968 UNSPK: 7324950 BKG: 7324950								
Lead	117	121	75-125	3	20	3.71	6.40	53* (1)	20

Surrogate Quality Control

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

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B133631AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7324939	99	95	107	95
7324943	101	106	100	104
7324946	105	102	111	89
7324947	104	105	108	92
7324948	104	104	102	100
7324949	105	106	102	104
7324953	97	96	107	104
7324954	103	104	101	99
7324958	106	106	101	96
7324960	103	101	105	99
7324961	103	106	100	97
7324964	99	102	104	103
7324965	103	104	103	99
7324966	104	103	102	96

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

Surrogate Quality Control

7324967	100	97	102	100
7324968	104	104	102	96
Blank	101	100	102	97
LCS	99	94	106	109
MS	102	100	108	100
MSD	102	102	107	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B133642AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7324944	100	101	102	103
7324945	110	111	103	97
7324955	110	105	152*	57
7324956	100	99	102	100
7324957	106	103	108	94
7324959	107	106	104	94
Blank	103	106	101	98
LCS	101	110	104	106
LCSD	101	102	104	105
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: Q133631AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7324940	88	89	84	87
7324950	85	86	81	87
7324951	81	74	90	89
7324952	100	99	101	100
7324962	86	86	83	87
Blank	101	104	93	85
LCS	100	100	93	90
LCSD	99	100	92	88
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: Q133641AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7324941	88	87	86	95
7324942	88	87	83	87
7324963	86	85	82	88
Blank	100	102	91	85
LCS	100	99	92	90
LCSD	98	99	89	87
MS	83	86	75	73
MSD	84	81	73	71
Limits:	50-141	54-135	52-141	50-131

Analysis Name: PAH's 8270C Soil

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

Surrogate Quality Control

Batch number: 13361SLC026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7324939	91	100	105
7324940	66	87	101
7324941	92	101	105
7324942	90	100	102
7324943	90	99	104
7324947	90	100	112
7324958	89	98	108
7324968	89	102	108
Blank	87	98	118
LCS	96	103	112
MS	92	101	111
MSD	89	98	107
Limits:	60-120	69-120	66-137

Analysis Name: PAH's 8270C Soil
Batch number: 13364SLG026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7324944	90	96	111
7324945	78	94	107
7324946	87	96	106
7324948	84	95	101
7324949	86	92	104
7324950	85	99	105
7324951	89	97	101
7324952	87	95	103
7324953	88	95	107
Blank	92	101	118
LCS	99	106	120
MS	85	87	101
MSD	90	94	101
Limits:	60-120	69-120	66-137

Analysis Name: PAH's 8270C Soil
Batch number: 13364SLJ026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7324954	88	99	95
7324955	84	95	90
7324956	84	97	89
7324957	89	99	87
7324959	91	100	90
7324960	85	97	91
7324961	86	95	85
7324962	89	96	89
7324963	89	94	87
7324964	87	93	90
Blank	90	102	91
LCS	93	103	95
MS	88	100	91
MSD	90	103	90

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1443173
Reported: 01/16/14 at 11:24 AM

Surrogate Quality Control

Limits: 60-120 69-120 66-137

Analysis Name: PAH's 8270C Soil
Batch number: 13365SLD026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7324965	77	84	89
7324966	89	98	108
7324967	86	100	107
Blank	75	80	91
LCS	86	94	104
MS	161*	94	110
MSD	161*	90	113

Limits: 60-120 69-120 66-137

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 13364A31A

	Trifluorotoluene-F
7324939	76
7324940	161*
7324941	516*
7324942	206*
7324943	81
7324958	78
7324968	80
Blank	94
LCS	94
LCSD	90

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 13365A31A

	Trifluorotoluene-F
7324944	88
7324945	73
7324946	79
7324947	87
7324948	78
7324949	70
7324950	157*
7324951	1208*
7324952	647*
7324953	75
7324954	76
7324955	68
7324956	77
7324957	82
7324959	75
7324960	80
7324961	79
7324962	367*

*- 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: 1443173
Reported: 01/16/14 at 11:24 AM

Surrogate Quality Control

	Trifluorotoluene-F
7324963	249*
Blank	92
LCS	92
MS	74
MSD	64
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 14002A31A

	Trifluorotoluene-F
7324964	82
7324965	70
7324966	79
7324967	80
Blank	73
LCS	94
LCSD	95
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 12233-02

For Lancaster Laboratories use only
Acct. # 10880 Group # 1443173 Sample # 7324939-68
Instructions on reverse side correspond with circled numbers.

1|3

SCR #: ______

① Client Information

Facility # 95607 WBS 25.22

Site Address: 5269 Crow Canyon Rd., Castro Valley, CA

Chevron PM: Eric Hetrick Lead Consultant: Judy Gilbert

Consultant/Office: CRA / Emeryville

Consultant Project Mgr.: Judy Gilbert

Consultant Phone #: (510) 420.3314

Sampler: Adam Ginsburg

④ Matrix: ☐ Sediment ☐ Ground ☐ Surface; ☒ Soil; Water: ☐ Potable ☐ NPDES; ☐ Air; ☐ Oil

⑤ Analyses Requested: BTEX + MTBE ☐ 8021 ☒ ~~8260~~ 8260B; TPH GRO ☒ 8015 ☐ 8260; TPH 8015 MOD DRO; Silica Gel Cleanup; 8260 Full Scan; Oxygenates; Total Lead Method 6010; Dissolved Lead Method; PAHs 8270; Naphthalene 8260B

- ☐ 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	Collected Date	Collected Time	③ Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	TPH GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	PAHs 8270	Naphthalene 8260B			⑥ Remarks
VEW-1-5	12/18/13	1010			X			1	X	X					X		X	X			
VEW-1-10	12/18/13	1300			↓			↓	↓	↓					↓		↓	↓			
VEW-1-15	12/18/13	1310																			
VEW-1-17	12/18/13	1315																			
VEW-2-5	12/18/13	1425																			
VEW-2-10	12/19/13	821																			
VEW-2-15	12/19/13	834																			
VEW-2-17	12/19/13	842																			
DPE-1-5	12/18/13	1005																			
DPE-1-10	12/19/13	1040																			
DPE-1-15	↓	1045																			
DPE-1-20	↓	1055																			
DPE-1-25	↓	1110			↓			↓	↓	↓					↓		↓	↓			

⑦ Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

⑧ Data Package Options (please circle if required)

Type I - Full Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time ⑨
[signature]	12/23/13	1340	[signature]	12/23/13	1340
A. Salyer	26DEC13	1630	UPS		

Relinquished by Commercial Carrier: UPS X FedEx ____ Other ______

Received by: [signature] Date 122713 Time 1015

Temperature Upon Receipt 0.2-0.4 °C

Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

12313-02

Acct. # 10880 Group # 1443173 Sample # 7324939-68

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

2 | 3

1 Client Information

Facility # 95607 WBS 25.22

Site Address 5260 Crow Canyon Rd. Castro Valley, CA

Chevron PM Eric Hetrick Lead Consultant Judy Gilbert

Consultant/Office CRA / Emeryville

Consultant Project Mgr. Judy Gilbert

Consultant Phone # (510) 420 3314

Sampler Adam Grimsburg

4 Matrix

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

3 Grab / Composite

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Sediment	Potable	NPDES	Ground	Surface	Air	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☒ 8260	TPH GRO 8015 ☒ 8260 ☐	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method 6010	Dissolved Lead Method	PAHs 8270	Dwight Nuclear 8260 B
DPE-1-30	12/11/13	1330			X									1	X	X					X		X	X
DPE-1-35		1345																						
DPE-1-41		1355																						
DPE-1-42.5		1445																						
DPE-1-45		1425																						
DPE-1-51		1435																						
DPE-2-5	12/17/13	1020																						
DPE-2-10	12/20/13	950																						
DPE-2-15		955																						
DPE-2-20		1000																						
DPE-2-25		1005																						
DPE-2-30		1010																						
DPE-2-35		1020																						

SCR #: _____

- ☐ 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

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time (9)
	12/23/13	1340		12/23/13	1340
Relinquished by	Date	Time	Received by	Date	Time
	26DEC13	1638	UPS		
Relinquished by Commerical Carrier: UPS X FedEx ____ Other ____			Received by	Date	Time
				122213	122713
Temperature Upon Receipt 0.2-0.4 °C			Custody Seals Intact? Yes / No		

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories 122313-02 Acct. # 10880 Group # 1443173 Sample # 732493 9-68

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

3/3

1 Client Information

Facility # 95607 WBS 25.22

Site Address 5269 Crow Canyon Rd. Castro Valley, CA

Chevron PM Eric Hetrick Lead Consultant Judy Gilbert

Consultant/Office CRA | Emeryville

Consultant Project Mgr. Judy Gilbert

Consultant Phone # (510) 420 3314

Sampler Adam Ginsberg

4 Matrix

3 Grab ☐ Composite ☒

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

Total Number of Containers

5 Analyses Requested

BTEX + MTBE 8021 ☐ 8260 ☒ 8260B

TPH GRO 8015 ☒ 8260 ☐

TPH 8015 MOD DRO

Silica Gel Cleanup

8260 Full Scan

Oxygenates

Total Lead Method 6010

Dissolved Lead Method

PAHs 8270

2 oxygenates 8260B

2 Sample Identification	Collected Date	Time
DPE-2-40	12/20/13	1025
DPE-2-45		1035
DPE-2-50		1040
DPE-3-5	12/17/13	1445

SCR #: _____

- ☐ 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

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time
	12/23/13	1340		12/23/13	1340
	26DEC13	1638	UPS		
Relinquished by Commerical Carrier: UPS X FedEx ____ Other ____			Received by	122713	1015

Temperature Upon Receipt 0.2-0.4 °C

Custody Seals Intact? Yes No

9

GH 1443173

Natalie Luciano

From: Ginsburg, Adam <aginsburg@craworld.com>
Sent: Wednesday, January 15, 2014 5:40 PM
To: Natalie Luciano
Subject: RE: Chevron Facility 95607 - Change to listed analytes

I forgot one other thing:
Sample DPE-1-42.5 was mislabeled. It should read "DPE-1-52.5"

Thanks,

Adam Ginsburg
Conestoga-Rovers & Associates (CRA)
Phone: 925.849.1016
Cell: 510.290.7061

1

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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.

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

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

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

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 333586-93 SCR#: 246114
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

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

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)	Naph-Xylene (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			

Comments / Remarks
Please provide data within one week, contact Judy Gilbert with questions (jgilbert@cramail.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		Date	Time
Relinquished by: Charley Austin	011014	1600	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received 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~~ no appropriate PAH container received for the water sample. @MKL 1/16/14 MKL 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.

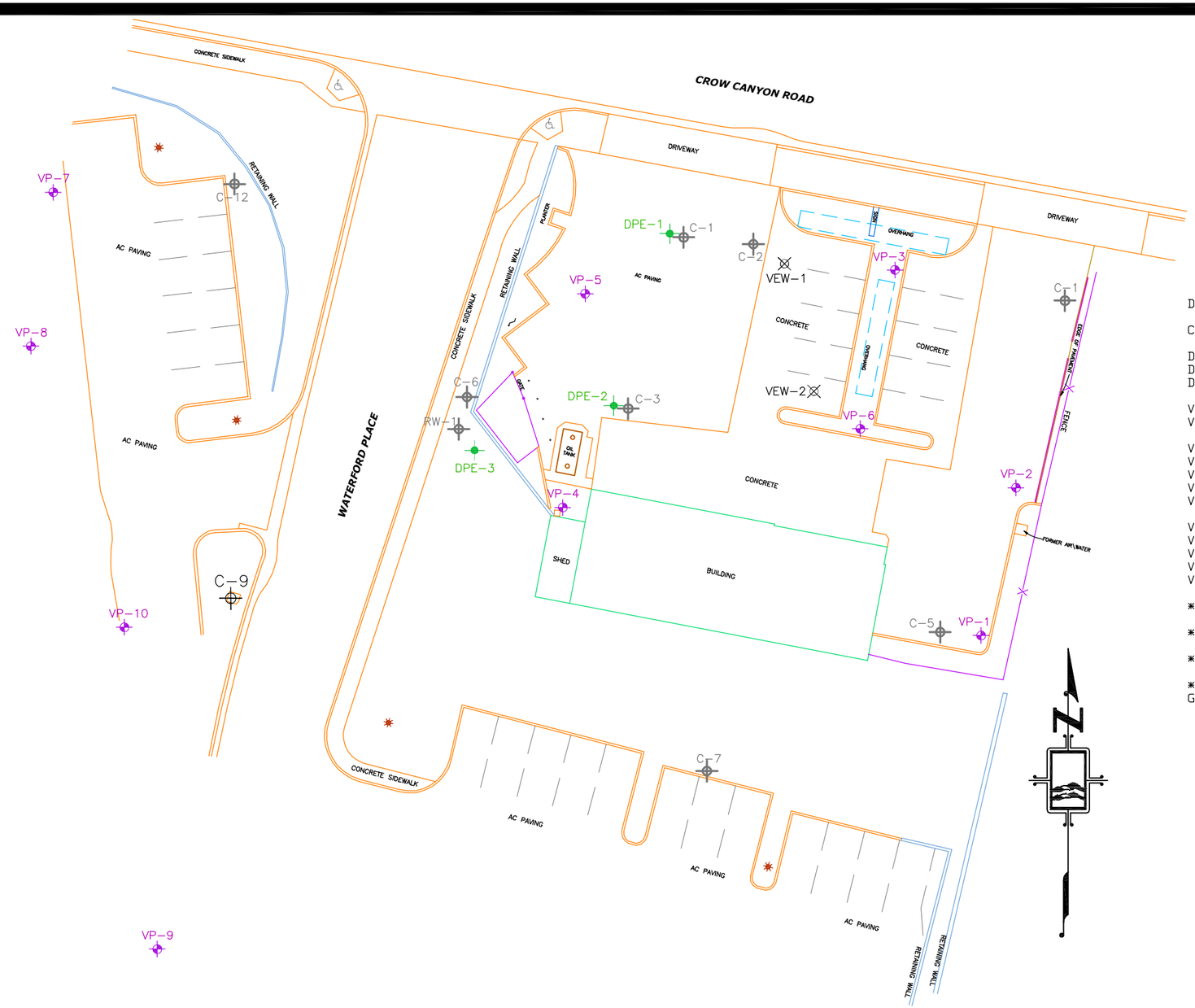
Measurement uncertainty values, as applicable, are available upon request.

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.

Appendix G

Morrow Well Survey



Monitoring Well Exhibit

Prepared For:

CRA

DESC.	NORTHING	EASTING	LATITUDE	LONGITUDE	EL. PVC	EL. RIM
C-9	2081834.1	6113724.1	37.7021430	-122.0484113	268.71	269.13
DPE-1	2081922.8	6113831.0	37.7023915	-122.0480471	283.45	283.88
DPE-2	2081881.0	6113817.3	37.7022759	-122.0480918	286.20	286.59
DPE-3	2081870.1	6113783.4	37.7022445	-122.0482083	275.22	275.42
VEW-1	2081915.5	6113858.9	37.7023726	-122.0479502	284.93	285.61
VEW-2	2081884.5	6113866.0	37.7022877	-122.0479237	286.68	286.98
VP-1	2081825.1	6113906.7	37.7021264	-122.0477798		
VP-2	2081861.0	6113915.2	37.7022254	-122.0477524		
VP-3	2081914.0	6113885.8	37.7023697	-122.0478571		
VP-4	2081856.2	6113804.9	37.7022073	-122.0481334		
VP-5	2081908.2	6113810.4	37.7023503	-122.0481175		
VP-6	2081875.3	6113877.3	37.7022631	-122.0478842		
VP-7	2081932.9	6113680.9	37.7024123	-122.0485662		
VP-8	2081895.4	6113675.5	37.7023092	-122.0485830		
VP-9	2081748.8	6113706.2	37.7019077	-122.0484683		
VP-10	2081827.0	6113698.2	37.7021224	-122.0485005		

*C-9 AND VP-1 THROUGH VP-10 WERE SURVEYED ON 9-20-13 BY MORROW SURVEYING.

*DPE-1, DPE-2, DPE-3, VEW-1, AND VEW-2 SURVEYED ON 1-14-14 BY MORROW SURVEYING.

**COORDINATES ARE CALIFORNIA STATE PLANE, ZONE 3 (NAD 83).

**ELEVATIONS ARE BASED ON THE TOP OF CASING OF C-8, TAKEN AS 288.40' FROM GEOTRACKER. DATUM ON GEOTRACKER IS "ASSD" (ASSUMED)

LEGEND:

- . . . EXISTING WELL NOT LOCATED BY MORROW FOR THE PURPOSES OF GEOTRACKER UPLOAD. WELLS WERE LOCATED FOR TOPOGRAPHIC SURVEY DONE FOR CRA IN MARCH 2013.
- . . . WELL LOCATED FOR CRA FOR GEOTRACKER UPLOAD.
- . . . VAPOR PROBE
- . . . DPE
- . . . VEW

MW Exhibit
5269 Crow Canyon Rd.
Castro Valley
Alameda County
California

Morrow Surveying
LAND SURVEYORS
1255 Starboard Drive
West Sacramento
California 95691
(916) 372-8124
mark@morrowsurveying.com

Date: September, 2013
Field: 9-20-13, 1-14-14 SF
Scale: 1" = 30'
Revised: 1-15-14
Field Book: MW-56,58
Dwg. No.0857-177-MW MAM
Ref: 0857-177